Reference

Tektronix

WFM Series Waveform Monitors & WVR Series Waveform Rasterizers Management Information Base

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This document applies to:
wfm-mon.mib version 1.2 and
wvr7100.mib version 1.1.

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Preface

This manual describes the Management Information Bases (MIBs) used by Tektronix WFM Series Waveform Monitors and WVR Series Waveform Rasterizers. For information about which products are covered, see page 1.

Management Information Base (MIB)

Tektronix Waveform Monitors and Waveform Rasterizers can be controlled remotely using SNMP over a TCP/IP network.

This document describes the MIBs used by Tektronix WFM700 Waveform Monitors and the WVR 6100 and WVR7100 Waveform Rasterizers, listing the object identifiers (OIDs) in groups. The two MIBs are:

- **wfm-mon:** a general-purpose MIB that is shared by the WFM700 series Waveform Monitors and the WVR 6100 and WVR7100 Waveform Rasterizers (starting on page 4).
- **wvr7100:** a MIB that is specific to the WVR 6100 and WVR7100 Waveform Rasterizers (starting on page 186).

Both MIBs can be downloaded from the Tektronix Web site (www.tektronix.com) or from the instrument, using the remote interface.

Formatting Conventions

Not all OIDs apply to all instruments; the following tables include columns with symbols indicating which OIDs are supported for the specified product series.

- ■ indicates that the OID is supported
- ▣ indicates that the OID is supported *only* if the required option is installed
- □ indicates that the OID is not supported

This sample table shows how the symbols are used in the tables:

OID support status	Symbols used	
	WFM	WVR
Not supported by WFM Series / Supported by WVR Series	□	■
Supported by WFM Series and WVR Series if required option is installed	▣	▣
Supported by WFM Series / Not supported by WVR Series	■	□

Waveform Monitor MIB Definitions

This MIB uses:

- The SNMPv2 Structure of Management Information - SNMPv2-SMI
- The SNMPv2 Textual Conventions - SNMPv2-TC (rfc 1903)
- The SNMPv2 Conformance Statements - SNMPv2-CONF (rfc 1904)

The following imports are included:

- Module-Identity, Object-Type, Notification-type, enterprises from SNMPv2-SMI
- DisplayString from SNMPv2-TC
- Module-Compliance, Object Groups from SNMPv2-Conf

Object Descriptions

Descriptions for Group and Table are as follows:

tek	OBJECT IDENTIFIER ::= { enterprises 128 }
tvt	OBJECT IDENTIFIER ::= { tek 5 }
tvtproducts	OBJECT IDENTIFIER ::= { tvt 1 }
tvtmibs	OBJECT IDENTIFIER ::= { tvt 2 }

The MIB module tables describe the control statements for the WFM700 series Waveform Monitors and the WVR 6100 and WVR7100 Waveform Rasterizers. The management information base tables begin with the MIB Definitions.

Group Descriptions

Descriptions for the common MIB groups are as follows:

module definition:

wfm-mon MODULE-IDENTITY ::= { tvtmibs 10 }

groups:

gen	OBJECT IDENTIFIER ::= { wfm-mon 1 }
input	OBJECT IDENTIFIER ::= { wfm-mon 2 }
print	OBJECT IDENTIFIER ::= { wfm-mon 3 }
audioDisp	OBJECT IDENTIFIER ::= { wfm-mon 4 }
wfm	OBJECT IDENTIFIER ::= { wfm-mon 5 }
vec	OBJECT IDENTIFIER ::= { wfm-mon 6 }
arr	OBJECT IDENTIFIER ::= { wfm-mon 7 }
lgt	OBJECT IDENTIFIER ::= { wfm-mon 8 }
dmd	OBJECT IDENTIFIER ::= { wfm-mon 9 }
pict	OBJECT IDENTIFIER ::= { wfm-mon 10 }
sdistat	OBJECT IDENTIFIER ::= { wfm-mon 11 }
preset	OBJECT IDENTIFIER ::= { wfm-mon 12 }
gamut	OBJECT IDENTIFIER ::= { wfm-mon 13 }
eye	OBJECT IDENTIFIER ::= { wfm-mon 14 }
jitter	OBJECT IDENTIFIER ::= { wfm-mon 15 }
logstat	OBJECT IDENTIFIER ::= { wfm-mon 16 }
audio	OBJECT IDENTIFIER ::= { wfm-mon 17 }
audiolo	OBJECT IDENTIFIER ::= { wfm-mon 18 }
traps	OBJECT IDENTIFIER ::= { wfm-mon 19 }
alarm	OBJECT IDENTIFIER ::= { wfm-mon 20 }
ltc	OBJECT IDENTIFIER ::= { wfm-mon 21 }
timing	OBJECT IDENTIFIER ::= { wfm-mon 22 }
audioAnaDisp	OBJECT IDENTIFIER ::= { wfm-mon 23 }
display	OBJECT IDENTIFIER ::= { wfm-mon 24 }
comp	OBJECT IDENTIFIER ::= { wfm-mon 25 }
wfmMonMibVer	OBJECT IDENTIFIER ::= { wfm-mon 26 }

Table 1: MIB version (wfm_mon 255)

Object identifier	Object type	WFM	WVR
wfmMonMibVer		■	■
SYNTAX	OCTET STRING		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Implementation version of the Waveform Monitor MIB.		

Table 2: General group (gen wfm_mon 1)

Object identifier	Object type	WFM	WVR
ipAddress		■	■
SYNTAX	Display String		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Network IP address of the primary network interface.		
::= { gen 1 }			
subNetMask		■	■
SYNTAX	Display String		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Subnet mask of the primary network interface.		
::= { gen 2 }			
swVersion		■	■
SYNTAX	Display String		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Software version and creation date.		
::= { gen 3 }			
fpgaVersions		■	■
SYNTAX	Display String		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	List of versions for each programmable logic part.		
::= { gen 4 }			

Table 2: General group (gen wfm_mon 1) (Cont.)

Object identifier	Object type	WFM	WVR
fpVersion		□	■
SYNTAX	Display String		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Hardware and software version of front panel.		
::= { gen 5 }			
instId		■	■
SYNTAX	Display String		
MAX ACCESS	read-write		
STATUS	current		
RANGE	Maximum string length is 15 characters		
DESCRIPTION	Instrument name.		
::= { gen 6 }			
displayModeTable		■	■
SYNTAX	SEQUENCE OF DisplayModeEntry		
MAX ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for display modes.		
::= { gen 7 }			
displayModeEntry		■	■
SYNTAX	Display String		
MAX ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the displayMode table.		
INDEX	{ currTile}		
::= { displayModeTable1 }			
DisplayModeEntry ::= SEQUENCE { displayMode INTEGER }			

Table 2: General group (gen wfm_mon 1) (Cont.)

Object identifier	Object type	WFM	WVR
displayMode			
SYNTAX	INTEGER {		
	none(0),	■	■
	wfm(1),	■	■
	vec(2),	■	■
	lightning(3),	■	■
	picture(4),	■	■
	arrowhead(5),	■	■
	diamond(6),	■	■
	status-log(7),	■	■
	audio-bars(8),	■	■
	ltc(9),	□	■
	timeref(10),	□	■
	status-alarm(11),	■	■
	status-video(12),	■	■
	status-audio(13),	■	■
	split-diamond(14),	■	■
	audio-liss(15),	■	■
	audio-chanstat(16),	■	■
	audio-embStatus(17),	■	■
	multi(18),	■	□
	eye(19),	■	□
	jitter(20),	■	□
	data(21),	■	□
	bowtie(22),	■	□
	eye-autoMeasure(23),	■	□
	ancData(24),	■	□
	status-auxData(25),	■	□
	audio-surround(26)	■	□
	status-dolby(27)	□	■
	}		
MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Display mode in selected tile.		
::= { displayModeEntry1 }			
ipConfigMode		■	■
SYNTAX	INTEGER {		
	manual(0),		
	dhcp(1)		
	}		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	IP address configuration mode of the instrument.		
::= { gen 8 }			

Table 2: General group (gen wfm_mon 1) (Cont.)

Object identifier	Object type	WFM	WVR
gatewayAddress		■	■
SYNTAX	DisplayString		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Default gateway address for the primary network interface.		
::= { gen 9 }			
macAddress		■	■
SYNTAX	DisplayString		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Ethernet MAC address for the primary network interface.		
::= { gen 10 }			
snmpPublicCommStr		■	■
SYNTAX	DisplayString (SIZE (0..15))		
MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Public community string used to authenticate SNMP GET requests (write-only).		
::= { gen 11 }			
snmpPrivateCommStr		■	■
SYNTAX	DisplayString (SIZE (0..15))		
MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Private community string used to authenticate SNMP SET/GET requests (write-only).		
::= { gen 12 }			
webAccess		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enables/disables access to web interface and remote user interface.		
::= { gen 13 }			

Table 2: General group (gen wfm_mon 1) (Cont.)

Object identifier	Object type	WFM	WVR
hwFaultCondition		☐	■
SYNTAX	DisplayString		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	List of current fault conditions detected by the instrument.		
::= { gen 14 }			
viewDiagLog			

SYNTAX	INTEGER {
	off (0)
	on(1)
	}
		
		☐
		☐
			
			■
			■

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Causes the instrument to display the diagnostic log (write-only).		
::= { gen 15 }			
diagLogClear			

SYNTAX	INTEGER {
	false(0)
	true(1)
	}
		
		☐
		☐
			
			■
			■

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Causes the instrument to clear the diagnostics log (write-only).		
::= { gen 16 }			
diagLogPage		☐	■

SYNTAX	INTEGER {
	first(1),
	last(2),
	prev(3),
	next(4)
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Causes the instrument to display a new page of the diagnostic log (write-only).		
::= { gen 17 }			

Table 2: General group (gen wfm_mon 1) (Cont.)

Object identifier	Object type	WFM	WVR
timeOfDay		■	■
SYNTAX	DisplayString		
MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Set time or query current time.		
::= { gen 18 }			
optionsInstalled		■	■
SYNTAX	DisplayString		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Returns a list of the options installed in the instrument.		
::= { gen 19 }			

Table 3: Input group (input wfm_mon 2)

Object identifier	Object type	WFM	WVR
videoIn		■	■
SYNTAX	DisplayString		
MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Current video input source. WFM supports the following string values for specifying an input source: “sdi 1a”, “sdi 2a”, “sdi 1b”, “sdi 2b”. WVR supports the following string values for specifying an input source: “sdi a”, “sdi 1a”, “sdi b”, “sdi 1b”, “comp a”, “cpst a”, “composite a”, “COMPOSITE A”, “comp b”, “cpst b”, “composite b”, “COMPOSITE B”. Input source names vary from instrument to instrument depending on the hardware configuration. Modular instruments, like the WFM series, typically identify inputs by card and port (such as 1A or 2B). Non-modular instruments, like the WVR series, identify ports by name (such as SDI A or COMPOSITE B).		
::= { input 1 }			

Table 3: Input group (input wfm_mon 2) (Cont.)

Object identifier	Object type	WFM	WVR
sdiInStd			
SYNTAX	INTEGER {		
	auto(0),	■	■
	std-525i-59-94(1),	■	▣
	std-625i-50(2),	■	▣
	std-1080i-59-94(3),	■	■
	std-1080i-60(4),	■	■
	std-720p-59-94(5),	■	■
	std-1080p-23-98(6),	■	■
	std-1080p-24(7),	■	■
	std-1080p-30(8),	■	■
	std-1080p-29-97(9),	■	■
	std-1080p-25(10),	■	■
	std-1080i-50(11),	■	■
	std-1035i-60(12),	■	■
	std-1035i-59-94(13),	■	■
	rp-1080sf-24(14),	■	■
	rp-1080sf-23-98(15),	■	■
	std-720p-24(16),	■	■
	std-720p-23-98(17),	■	■
	std-720p-60(18),	■	■
	std-720p-50(19),	■	■
	std-720p-25(20),	□	■
	std-720p-29-97(21),	□	■
	std-720p-30(22),	□	■
	rp-1080sf-25(23),	□	■
	rp-1080sf-29-97(24),	□	■
	rp-1080sf-30(25)	□	■
	}		
MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Format of the current video input source. When set to auto(0), input format selection is based on the detected format of the video input signal.		
::= { input 2 }			

Table 3: Input group (input wfm_mon 2) (Cont.)

Object identifier	Object type	WFM	WVR
compInStd		☐	■

SYNTAX	INTEGER {
	auto(0),
	ntsc(1),
	ntsc-ns(2),
	pal(3),
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Composite input standard.		
::= { input 3 }			
refSrc		■	■

SYNTAX	INTEGER {
	internal(0),
	external(1)
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Current reference source (Internal . External).		
::= { input 4 }			

Table 3: Input group (input wfm_mon 2) (Cont.)

Object identifier	Object type	WFM	WVR
refInStd			
SYNTAX	INTEGER {		
	auto(0),	■	■
	ntsc(1),	■	▣
	pal(2),	■	▣
	std-1080i-59-94(3),	■	▣
	std-1080i-60(4),	■	▣
	std-720p-59-94(5),	■	▣
	std-1080p-23-98(6),	■	▣
	std-1080p-24(7),	■	▣
	std-1080p-25(8),	□	▣
	std-1080i-50(9),	■	▣
	std-720p-50(10),	□	▣
	std-720p-60(11),	□	▣
	std-1080-30p(12),	□	▣
	std-1080-2997p(13),	□	▣
	std-720-30p(14),	□	▣
	std-720-2997p(15),	□	▣
	std-720-25p(16),	□	▣
	std-720-24p(17),	□	▣
	std-720-2398p(18)	□	▣
	std-1080sf-23-98(19),	□	▣
	std-1080sf-24(20)	□	▣
	}		
MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Format of the external reference source. When set to auto(0), reference format selection is based on the detected format of the reference input signal.		
::= { input 5 }			

Table 3: Input group (input wfm_mon 2) (Cont.)

Object identifier	Object type	WFM	WVR
refLocked		■	■

SYNTAX	INTEGER {
	locked(0),
	unlocked(1)
	}		

MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Reference input status.		
::= { input 6 }			
sdiSetup		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/Disable pseudo composite setup in Waveform and Arrowhead displays.		
::= { input 8 }			
lineSelect		■	■
SYNTAX	INTEGER		
MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects line number; depends on the current input standard type and field selection.		
::= { input 15 }			

Table 3: Input group (input wfm_mon 2) (Cont.)

Object identifier	Object type	WFM	WVR
fieldSelect			
SYNTAX	INTEGER {		
	all(0),	■	■
	f1(1),	■	■
	f2(2),	■	■
	f3(3),	□	■
	f4(4),	□	■
	f5(5),	□	■
	f6(6),	□	■
	f7(7),	□	■
	f8(8),	□	■
	odd(9)	□	■
	even(10)	□	■
	}		
MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects the field for line select (0 means all fields, odd (9) selects all odd-numbered fields, and even (10) means all even-numbered fields).		
::= { input 16 }			
activeTimeCode		■	■
SYNTAX	DisplayString		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Current time code value from selected timecode source.		
::= { input 19 }			
timeCodeSrc			
SYNTAX	INTEGER {		
	none(0),	■	■
	ltc(1),	□	■
	vitc(2),	■	■
	anctc(3),	■	■
	auto(4),	■	□
	}		
MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Active time code source (LTC/VITC/ANCTC).		
::= { input 20 }			

Table 3: Input group (input wfm_mon 2) (Cont.)

Object identifier	Object type	WFM	WVR
ltcPresent		☐	■

SYNTAX	INTEGER {
	false(0),
	true(1)
	}		

MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Reports whether or not the LTC source is present.		
::= { input 21 }			
vitcPresent		■	■

SYNTAX	INTEGER {
	false(0),
	true(1)
	}		

MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Reports whether or not the VITC data is present.		
::= { input 22 }			
timeCodePresent		■	■

SYNTAX	INTEGER {
	false(0),
	true(1)
	}		

MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Reports whether or not the active time code is present.		
::= { input 23 }			
lineSelectEnable		■	■

SYNTAX	INTEGER {
	off(0),
	tile1(1)
	tile2(2)
	tile3(3),
	tile4(4)
	}		

MAX ACCESS	read-write		
DESCRIPTION	Enable line select mode for the specified tile. “0” turns off line select mode. Enabling line select mode for a tile disables line select mode for any other tile. Only one tile can be in line select mode at a time.		
::= { input 24 }			

Table 3: Input group (input wfm_mon 2) (Cont.)

Object identifier	Object type	WFM	WVR
sdiStripEavSav		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enables/disables stripping of EAV/SAV/ANC data from video before display.		
::= { input 25 }			
sdiChroma		■	■

SYNTAX	INTEGER {
	offset(0),
	align(1)
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Aligns Pb and Pr components in waveform displays.		
::= { input 26 }			
extRefStdDet		■	■
SYNTAX	DisplayString		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Reports detected format of the external reference signal.		
::= { input 37 }			
inpSigStdDet		■	■
SYNTAX	DisplayString		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Reports detected format of the current video input signal.		
::= { input 38 }			

Table 3: Input group (input wfm_mon 2) (Cont.)

Object identifier	Object type	WFM	WVR
hdColorimetry		■	■

SYNTAX	INTEGER {
	auto(0),
	ITU709(1),
	SMPTE240M(2)
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects colorimetry standards for HD formats.		
::= { input 39 }			
ancTimeCode		■	■
SYNTAX	DisplayString		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Reports the current ANC time code value, if present.		
::= { input 40 }			
ancDID		■	□
SYNTAX	INTEGER		
MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Ancillary data ID (DID).		
::= { input 41 }			
ancSDID		■	□
SYNTAX	INTEGER		
MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Ancillary secondary data ID (SDID).		
::= { input 42 }			
ancDataMode		■	□

SYNTAX	INTEGER {
	AncDataRaw(1),
	ancDataDecoded(2)
	}		

MAX ACCESS	read-write		
DESCRIPTION	Ancillary data mode [raw(ancdata) or decoded(aribB39)].		
::= { input 43 }			

Table 3: Input group (input wfm_mon 2) (Cont.)

Object identifier	Object type	WFM	WVR
ccMissing		■	■

SYNTAX	INTEGER {
	cc-absent(0),
	cc-present(1),
	cc-status-unknown(2)
	}		

MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Reports whether or not closed captioning is present. If the closed caption is present and the type is not supported by the instrument, then returns status-unknown.		
::= { input 44 }			
ccTransport			

SYNTAX	INTEGER {
	auto(0),
	EIA 608-line-21(1),
	EIA-608-ANC(2),
	EIA-708-ANC(3),
	EIA-608-708(4),
	ARIB(5),
	teletext(6)
	}
		
		■
		■
		■
		□
		■
		□
		□
			
			■
			■
			■
			□
			■
			□
			□

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Select type of closed caption to be decoded In this document, EIA-608 and CEA-608 are equivalent. Auto detect searches for closed caption streams in the following order and presents the text of the first stream type detected: For Composite: EIA 608-line-21 For SD: EIA 608-Line 21, 608-ANC, EIA-608 (708) For HD: 608-ANC, EIA-608 (708)		
::= { input 45 }			

Table 3: Input group (input wfm_mon 2) (Cont.)

Object identifier	Object type	WFM	WVR
ccLineDetectMode		■	■

SYNTAX	INTEGER {
	auto(0),
	manual(1)
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects the closed-caption line-selection mode.		
::= { input 46 }			
ccLineNum		■	■

SYNTAX	INTEGER {
	11-25
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects line number for EIA601 Line-21 (digitized analog) closed-caption data in manual-detection mode.		
::= { input 47 }			

Table 3: Input group (input wfm_mon 2) (Cont.)

Object identifier	Object type	WFM	WVR
ccDetected		■	■
SYNTAX	DisplayString		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Reports the types of closed captions detected.		
::= { input 48 }			
ccService608		■	□

SYNTAX	INTEGER {
	cc1(1),
	cc2(2),
	cc3(3),
	cc4(4),
	text1(5),
	text2(6),
	text3(7),
	text4(8)
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Closed caption service 608 channel selection for decode. For WVR6100 and WVR7100 Waveform Rasterizers, see ccService608Tile.		
::= { input 49 }			
ccService708		□	□

SYNTAX	INTEGER {
	service1(1),
	service2(2),
	service3(3),
	service4(4),
	service5(5),
	service6(6),
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Closed caption service 708 channel selection.		
::= { input 50 }			

Table 3: Input group (input wfm_mon 2) (Cont.)

Object identifier	Object type	WFM	WVR
gcGndClosurePort		■	□

SYNTAX	INTEGER {
	disable(0),
	enable(1)
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enables/disables ground closure port.		
::= { input 51 }			
ccRequiredService608		□	■

SYNTAX	BITS {
	text4(0),
	text3(1),
	text2(2),
	text1(3),
	cc4(4),
	cc3(5),
	cc2(6),
	cc1(7)
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Each bit in the octet selects defines a service as being required, if the service is missing a CC Services(s) missing Alarm may be thrown.		
::= { input 52 }			
ccVBITiming		□	■

SYNTAX	INTEGER {
	normal(0),
	early(1),
	late(2)
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	EIA 608 Line 21 VBI Timing.		
::= { input 53 }			

Table 4: Print group (print wfm_mon 3)

Object identifier	Object type	WFM	WVR
printIpAddr		■	□
SYNTAX	OCTET STRING		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	IP address of the network printer being used for printing.		
::= { print 1 }			
printIfType			

SYNTAX	INTEGER {
	network(0)
	usb(1)
	}
		
		■
		□
			
			□
			□

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Specifies printer interface selected for printing (network or USB).		
::= { print 2 }			
printPaperSz		■	□

SYNTAX	INTEGER {
	a4(0)
	letter(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Paper size being used on the printer (A4 or letter).		
::= { print 3 }			
printOrientn		■	□

SYNTAX	INTEGER {
	landscape(0)
	portrait(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Print orientation on the printer (landscape or portrait).		
::= { print 4 }			

Table 4: Print group (print wfm_mon 3) (Cont.)

Object identifier	Object type	WFM	WVR
printFmt			

SYNTAX	INTEGER {
	postscript(0)
	pcl(1)
	postscript-color(2)
	}
		
		■
		□
		■
			
			□
			□
			□

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Print format on the printer (PostScript or Pcl).		
::= { print 5 }			
printToFile		□	□

SYNTAX	INTEGER {
	off(0)
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Print to a file instead of a printer.		
::= { print 6 }			
printFileName		□	□
SYNTAX	OCTET STRING (SIZE (1..16))		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Name of the file into which the instrument will print when printToFile is ON.		
::= { print 7 }			
printStart		■	□

SYNTAX	INTEGER {
	start(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Start printing on the selected printer (write-only).		
::= { print 8 }			

Table 4: Print group (print wfm_mon 3) (Cont.)

Object identifier	Object type	WFM	WVR
printInksaver		■	□

SYNTAX	INTEGER {
	off(0)
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Print using the minimal amount of black ink.		
::= { print 9 }			
printLpdQueueName		■	□
SYNTAX	DisplayString (SIZE (1..16))		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	The name of the LPD print server (specified by “printIpAddr”).		
::= { print 10 }			

Table 5: AudioDisp group (audioDisp wfm_mon 4)

Object identifier	Object type	WFM	WVR
audCurOutput		□	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Currently selected audio outputs.		
::= { audioDisp 1 }			
audBallistic		▣	▣

SYNTAX	INTEGER {
	truePeak(0),
	ppm(1),
	ppm(2)
	vu(3)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Level meter ballistics selection for digital audio.		
::= { audioDisp 2 }			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
audPkHold		▣	▣
SYNTAX	INTEGER { 1 to 10 }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Hold time for digital audio peak level indicator (in seconds).		
::= { audioDisp 3 }			
audErrorHoldTm		□	▣
SYNTAX	INTEGER { 1 to 30 }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	The length of time that the audio in-bar error messages and over indicator remain on the screen (held) after the error has been removed (in seconds).		
::= { audioDisp 4 }			
audClipTh		▣	▣
SYNTAX	INTEGER { 1 to 100 }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Digital audio clip duration threshold (in samples).		
::= { audioDisp 5 }			
audMuteTh		▣	▣
SYNTAX	INTEGER { 1 to 100 }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Digital audio mute duration threshold (in samples).		
::= { audioDisp 6 }			
audOverLvl		▣	▣

SYNTAX	INTEGER {
	WFM: -90 to 0,
	WVR: -20 to 0
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Digital audio threshold level for over-volume detection (in dBFS).		
::= { audioDisp 7 }			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
audOverTm		▣	▣

SYNTAX	INTEGER {
	WFM: 1 to 100,
	WVR: 0 to 30
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Digital audio over volume duration threshold (in seconds).		
::= { audioDisp 8 }			
audSilenceLvl		▣	▣

SYNTAX	INTEGER {
	WFM: -90 to 0,
	WVR: -90 to -60
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Digital audio silence level in dBFS (x 100).		
::= { audioDisp 9 }			
audSilenceTm		▣	▣

SYNTAX	INTEGER {
	WFM: 1 to 100,
	WVR: 0 to 60
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Digital audio silence duration threshold (in seconds).		
::= { audioDisp 10 }			
audProgLvl		▣	▣
SYNTAX	INTEGER { 0 to -30 }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Digital audio peak program level in dBFS (x 100).		
::= { audioDisp 11 }			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
audTestLvl		▣	▣

SYNTAX	INTEGER {
	WFM: -60 to 0,
	WVR: 0 to -30
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Digital audio test level in dBFS(x 100).		
::= { audioDisp 12 }			
audCorrMtrSpd		□	▣
SYNTAX	INTEGER { 1 to 20 }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Digital audio correlation meter speed.		
::= { audioDisp 13 }			
audAesActBits		□	▣
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Active bits in the audio input stream as reported in the AES status block.		
::= { audioDisp 14 }			
audZeroDbMark		▣	▣

SYNTAX	INTEGER {
	dBFS(0),
	peak-level(1),
	test-level(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects zero dB reference level for digital audio.		
::= { audioDisp 15 }			
audMeterNum		▣	▣
SYNTAX	INTEGER {0..9}		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Audio level meter number for digital audio level meter table.		
::= { audioDisp 16 }			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
audLvlTable		▣	▣
SYNTAX	SEQUENCE OF AudLvlEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table of digital audio statistics for each audio channel that is associated with a level meter.		
::= { audioDisp 17 }			
audLvlEntry		▣	▣
SYNTAX	AudLvlEntry		
MAX-ACCESS	non-accessible		
STATUS	current		
DESCRIPTION	A row in the audio level table.		
INDEX	{ audMeterNum }		
::= { audLvlTable 1 }			

AudLvlEntry	::= SEQUENCE {
	audLevel INTEGER
	audClipCount INTEGER
	audMuteCount INTEGER
	audActBits INTEGER
	audSampleRt INTEGER
	audSilenceCount INTEGER
	audOverCount INTEGER
	
	}
		▣	▣

audLevel		▣	▣
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Current audio level of a digital audio input stream in dBFS (x 100).		
::= { audLvlEntry 1 }			
audClipCount		▣	▣
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Current clip count for a digital audio stream in current session.		
::= { audLvlEntry 2 }			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
audMuteCount		▣	▣
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Current mute count for a digital audio stream in current session.		
::= { audLvlEntry 3 }			
audActBits		▣	▣
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Active bits detected in an AES input stream.		
::= { audLvlEntry 4 }			
audSampleRt		▣	▣
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Sample rate of an AES input stream.		
::= { audLvlEntry 5 }			
audSilenceCount		▣	▣
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Number of digital silence events detected in the current session.		
::= { audLvlEntry 6 }			
audOverCount		▣	▣
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Number of digital over events detected in the current session.		
::= { audLvlEntry 7 }			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
audIgnoreValidBit		☐	▣

SYNTAX	INTEGER {
	off(0)
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable detection of valid bit in AES status block.		
::= { audioDisp 18 }			
audPkHoldSeg		▣	▣

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable digital audio peak hold segment.		
::= { audioDisp 19 }			
audLvlMtrScale		▣	▣

SYNTAX	INTEGER {
	normal(0),
	custom(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable custom audio meter scale for digital audio.		
::= { audioDisp 20 }			
audLvlMtrHeight		▣	▣

SYNTAX	INTEGER {
	WFM: -60 to 0,
	WVR: 30 to 70
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Range of scale for custom digital audio meter configuration in dBFS (x 100).		
::= { audioDisp 21 }			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
audLvlMtrOffset		▣	▣

SYNTAX	INTEGER {
	WFM: -99 to 0,
	WVR: -30 to 0
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Top of scale for custom digital audio meter configuration in dBFS (x 100).		
::= { audioDisp 22 }			
audLissAGC		▣	▣

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable Lissajous automatic gain control for digital audio.		
::= { audioDisp 23 }			
audSessionCtrl		▣	▣

SYNTAX	INTEGER {
	reset(0),
	stop(1)
	run(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Audio session control.		
::= { audioDisp 24 }			
audGratStepSize		□	▣
SYNTAX	INTEGER { 3 to 10 }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Graticule step size for custom digital audio meter scale configuration in dB (x 100).		
::= { audioDisp 25 }			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
audConfigAesBnc		▣	☐

SYNTAX	INTEGER {
	input(0),
	output(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Configure the AES BNC's as outputs or inputs.		
::= { audioDisp 26 }			
audDominanceSound		▣	☐

SYNTAX	INTEGER {
	disable(0),
	enable(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable audio surround dominance sound indicator.		
::= { audioDisp 27 }			
audWeightingFilter			
SYNTAX	INTEGER {		
	linear(0),	▣	☐
	a-weighting(1)	▣	☐
	b-weighting(2)	☐	☐
	c-weighting(3)	☐	☐
	}		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Select audio weighting filter for surround sound display.		
::= { audioDisp 28 }			
audSessionRuntime		☐	▣
SYNTAX	String		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Audio session run time.		
::= { audioDisp 29 }			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
dolbyFormatdetected		☐	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Detected dolby format.		
::= {AudioDisp 30}			
dolbySampleRate		☐	▣
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Dolby sample rate.		
::= {AudioDisp 31}			
dolbyEFrameRate		☐	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Dolby E Frame rate.		
::= {AudioDisp 32}			
dolbySource		☐	▣

SYNTAX	INTEGER {
	?
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Dolby Source.		
::= {AudioDisp 33}			
dolbyTimecode		☐	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Timecode.		
::= {AudioDisp 34}			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
dolbyProgram		☐	▣

SYNTAX	INTEGER {
	prog1(0),
	prog2(1),
	prog3(2),
	prog4(3),
	prog5(4),
	prog6(5),
	prog7(6),
	prog8(7)
	}		

MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Dolby E program. This is used as an index to the Dolby Metadata Table.		
::= {AudioDisp 35}			
dolbyMetadataTable		☐	▣
SYNTAX			
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for Dolby metadata variables.		
::= {AudioDisp 36}			
dolbyEntry		☐	▣
SYNTAX			
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the dolbyMetadataTable.		
::= { dolbyMetadataTable 1}			
dolbyProgramConfig		☐	▣

SYNTAX	INTEGER {
	none(0),
	progCfg1(1),
	progCfg2(2),
	progCfg4(3),
	progCfg5-1(4),
	progCfg7-1(5)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Dolby Program configuration.		
::= {dolbyInputStatusEntry 1}			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
dolbyProgDesc		☐	▣
SYNTAX	DisplayString SIZE(0 .. 32)		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Program Description Text.		
::= {dolbyInputStatusEntry 2}			
dolbyChannelMode		☐	▣

SYNTAX	INTEGER {
	none(0),
	dual-mono(1),
	channelMode1-0(2),
	channelMode2-0(3),
	channelMode3-0(4),
	channelMode2-1(5),
	channelMode3-1(6),
	channelMode2-2(7),
	channelMode3-2(8)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION			
::= {dolbyInputStatusEntry 3}			
dolbyLFEChannel		☐	▣

SYNTAX	INTEGER {
	absent(0),
	present(1)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Dolby LFE channel presence.		
::= {dolbyInputStatusEntry 4}			
dolbyDialogLevel		☐	▣
SYNTAX	AudioLevel		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Dolby Dialog level, in x 100 dB.		
::= {dolbyInputStatusEntry 5}			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
dolbyLineModeProfile		☐	▣

SYNTAX	INTEGER {
	none,
	filmLight,
	filmStd,
	musicLight,
	musicStd,
	speech
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Amount of dynamic range compression.		
::= {dolbyInputStatusEntry 6}			
dolbyLineModeCmpr		☐	▣
SYNTAX	AudioLevel		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Line mode compression profile.		
::= {dolbyInputStatusEntry 7}			
dolbyRFModeProfile		☐	▣

SYNTAX	INTEGER {
	none,
	filmLight,
	filmStd,
	musicLight,
	musicStd,
	speech
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Amount of dynamic range compression.		
::= {dolbyInputStatusEntry 8}			
dolbyRFModeCmpr		☐	▣
SYNTAX	AudioLevel		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	RF mode compression profile.		
::= {dolbyInputStatusEntry 9}			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
dolbyBitstreamMode		☐	▣

SYNTAX	INTEGER {
	none(0),
	CM(1),
	ME(2),
	VI(3),
	HI(4),
	D(5),
	C(6),
	E(7),
	VO(8),
	K(9)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Bit stream mode.		
::= {dolbyInputStatusEntry 10}			
dolbyRFOvermodProt		☐	▣

SYNTAX	INTEGER {
	disabled(0),
	enabled(1)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	RF overmodulation protection.		
::= {dolbyInputStatusEntry 11}			
dolbyCenterDownmixLv		☐	▣
SYNTAX	AudioLevel		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Center downmix level		
::= {dolbyInputStatusEntry 12}			
dolbySurDownmixLvl		☐	▣
SYNTAX	AudioLevel		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Surround downmix level.		
::= {dolbyInputStatusEntry 13}			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
dolbySurMode		☐	▣

SYNTAX	INTEGER {
	no(0),
	yes(1),
	not-indicated(2)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Dolby surround mode.		
::= {dolbyInputStatusEntry 14}			
dolbyAudioProdnInfo		☐	▣

SYNTAX	INTEGER {
	absent(0),
	present(1)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Audio Production Information.		
::= {dolbyInputStatusEntry 15}			
dolbyMixingLvl		☐	▣
SYNTAX	INTEGER { }		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Mixing Level.		
::= {dolbyInputStatusEntry 16}			
dolbyRoomType		☐	▣

SYNTAX	INTEGER {
	not-indicated(0),
	small(1),
	large(2)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Room type.		
::= {dolbyInputStatusEntry 17}			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
dolbyCopyrightBit		☐	▣

SYNTAX	INTEGER {
	no(0),
	yes(1)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Copyright bit.		
::= {dolbyInputStatusEntry 18}			
dolbyBitstreamOriginal		☐	▣

SYNTAX	INTEGER {
	no(0),
	yes(1)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Original bitstream.		
::= {dolbyInputStatusEntry 19}			
dolbyExtendedBSI		☐	▣

SYNTAX	INTEGER {
	absent(0),
	present(1)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION			
::= {dolbyInputStatusEntry 20}			
dolbyStereoDmixPref		☐	▣

SYNTAX	INTEGER {
	not-indicated(0),
	LoRo, (1)
	LtRt(2)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Preferred stereo downmix mode.		
::= {dolbyInputStatusEntry 21}			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
dolbyLt-RtCenterMixLvl		☐	▣
SYNTAX	AudioLevel		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Lt/Rt Center Downmix Level.		
::= {dolbyInputStatusEntry 22}			
dolbyLt-RtSurDmixLvl		☐	▣
SYNTAX	AudioLevel		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Lt/Rt Surround Downmix Level.		
::= {dolbyInputStatusEntry 23}			
dolbyLo-RoCenterDmixLvl		☐	▣
SYNTAX	AudioLevel		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Lo/Ro Center Downmix Level.		
::= {dolbyInputStatusEntry 24}			
dolbyLo-RoSurDmixLvl		☐	▣
SYNTAX	AudioLevel		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Lo/Ro Surround Downmix Level.		
::= {dolbyInputStatusEntry 25}			
dolbySurEXMode		☐	▣

SYNTAX	INTEGER {
	no(0),
	yes(1),
	not-indicated(2)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Surround EX Mode.		
::= {dolbyInputStatusEntry 26}			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
dolbyA-DconverterType		☐	▣

SYNTAX	INTEGER {
	standard(0),
	hdcd(1)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	A/D Converter type.		
::= {dolbyInputStatusEntry 27}			
dolbyDCFilter		☐	▣

SYNTAX	INTEGER {
	no(0),
	yes(1)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	DC Filter.		
::= {dolbyInputStatusEntry 28}			
dolbyLowpassFilter		☐	▣

SYNTAX	INTEGER {
	no(0),
	yes(1)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Lowpass Filter.		
::= {dolbyInputStatusEntry 29}			
dolbyLFELowpassFilter		☐	▣

SYNTAX	INTEGER {
	no(0),
	yes(1)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	LFE Lowpass Filter.		
::= {dolbyInputStatusEntry 30}			

Table 5: AudioDisp group (audioDisp wfm_mon 4) (Cont.)

Object identifier	Object type	WFM	WVR
dolbySur3dBAtten		☐	▣

SYNTAX	INTEGER {
	no(0),
	yes(1)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Surround 3 dB Attenuation.		
::= {dolbyInputStatusEntry 31}			
dolbySurPhaseShift		☐	▣

SYNTAX	INTEGER {
	no(0),
	yes(1)
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Surround phase shift.		
::= {dolbyInputStatusEntry 32}			
audAesCurOutput		☐	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Currently selected AES outputs.		
::= { audioDisp 37}			

Table 6: Waveform mode group (wfm wfm_mon 5)

Object identifier	Object type	WFM	WVR
wfmTable		■	■
SYNTAX	SEQUENCE OF WfmEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for waveform display mode.		
::= { wfm 1 }			

Table 6: Waveform mode group (wfm wfm_mon 5) (Cont.)

Object identifier	Object type	WFM	WVR
wfmEntry		■	■
SYNTAX	WfmEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the waveform table.		
INDEX	{ currTile }		
::= { wfmTable 1 }			

```
WfmEntry ::= SEQUENCE {
        wfmMode                 INTEGER,
        wfmFilterCpst           INTEGER,
        wfmFilterYcbcr          INTEGER,
        wfmFilterRgb            INTEGER,
        wfmFilterYrgb           INTEGER,
        wfmColorSpace           INTEGER,
        wfmChromaOffset         INTEGER,
        wfmYCbCrChanEnable      DisplayString,
        wfmYRGBChanEnable       DisplayString,
        wfmRGBChanEnable        DisplayString,
        wfmSweepMode            INTEGER,
        wfmGainMode             INTEGER,
        wfmVarGainEnable        INTEGER,
        wfmVarGain              DisplayString,
        wfmCursorMode           INTEGER,
        wfmCursorActive         INTEGER,
        wfmCursorH1Pos          DisplayString,
        wfmCursorH2Pos          DisplayString,
        wfmCursorV1Pos          DisplayString,
        wfmCursorV2Pos          DisplayString,
        wfmCursorHDelta         DisplayString,
        wfmCursorVDelta         DisplayString,
        wfmHorPos               DisplayString,
        wfmVertPos              DisplayString,
        wfmHMag                 INTEGER,
        wfmCenter               INTEGER,
        wfmPercentCurUnits      INTEGER,
        wfmOneOverTCurUnits     INTEGER,
        wfmSetCur100Percent     INTEGER,
        bowtiePercentCurUnits   INTEGER,
        bowtieOneOverTCurUnits  INTEGER,
        bowtieSetCur100Percent  INTEGER
}
```

Table 6: Waveform mode group (wfm wfm_mon 5) (Cont.)

Object identifier	Object type	WFM	WVR
wfmMode		■	■

SYNTAX	INTEGER {
	parade(0),
	overlay(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform sweep display mode.		
::= { wfmEntry 1 }			
wfmFilterCpst		□	■

SYNTAX	INTEGER {
	flat(0),
	luma(1),
	chroma(2),
	flat-luma(3)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform filter for Composite display mode.		
::= { wfmEntry 2 }			
wfmFilterYcbcr		■	■

SYNTAX	INTEGER {
	flat(0),
	lowpass(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform filter for YCbCr display mode.		
::= { wfmEntry 3 }			
wfmFilterRgb		■	■

SYNTAX	INTEGER {
	flat(0),
	lowpass(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform filter for RGB display mode.		
::= { wfmEntry 4}			

Table 6: Waveform mode group (wfm wfm_mon 5) (Cont.)

Object identifier	Object type	WFM	WVR
wfmFilterYrgb		■	■

SYNTAX	INTEGER {
	flat(0),
	lowpass(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform filter for YRGB display mode.		
::= { wfmEntry 5 }			
wfmColorSpace		■	■

SYNTAX	INTEGER {
	none(0),
	composite(1)
	ycbcr(2),
	rgb(3),
	yrgb(4)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform display mode.		
::= { wfmEntry 6 }			
wfmChromaOffset		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enables/disables waveform chroma offset.		
::= { wfmEntry 7 }			
wfmYCbCrChanEnable		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform components enabled in YCbCr color space. Possible values are Y, Cb, Cr, YCb, YCr, CbCr, YCbCr. String is case insensitive, for example, Y is equivalent to y.		
::= { wfmEntry 8 }			

Table 6: Waveform mode group (wfm wfm_mon 5) (Cont.)

Object identifier	Object type	WFM	WVR
wfmYRGBChanEnable		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform components enabled in YRGB color space. Possible values are: Y, R, G, B, YR, YG, YB, RG, RB, GB, YRG, YRB, YGB, RGB, YRGB. String is case insensitive, for example, Y is equivalent to y.		
::= { wfmEntry 9 }			
wfmRGBChanEnable		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform components enabled in RGB color space. Possible values are: R, G, B, RG, GB, RB, RGB. String is case insensitive, for example, R is equivalent to r.		
::= { wfmEntry 10 }			
wfmSweepMode		■	■

SYNTAX	INTEGER {
	h1(1),
	h2(2),
	f1(3)
	f2(4)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform sweep mode and timebase.		
::= { wfmEntry 11 }			
wfmGainMode			

SYNTAX	INTEGER {
	gain-x1(0),
	gain-x5(1),
	gain-x10(2)
	}
		■
		■
		■
			■
			■
			□

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform fixed gain value.		
::= { wfmEntry 12 }			

Table 6: Waveform mode group (wfm wfm_mon 5) (Cont.)

Object identifier	Object type	WFM	WVR
wfmVarGainEnable		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable waveform variable gain.		
::= { wfmEntry 13 }			
wfmVarGain		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform variable gain value (effective). Range of values depends on current value of wfmGainMode.		
::= { wfmEntry 14 }			
wfmCursorMode		■	■

SYNTAX	INTEGER {
	volt(0),
	time(1),
	voltAndTime(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Select waveform cursor mode.		
::= { wfmEntry 15 }			
wfmCursorActive		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable waveform cursors.		
::= { wfmEntry 16 }			

Table 6: Waveform mode group (wfm wfm_mon 5) (Cont.)

Object identifier	Object type	WFM	WVR
wfmCursorH1Pos		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Position of the first horizontal cursor in waveform display. The range of values depends on the current video input format and the sweep timebase. Time values may be expressed as milliseconds (ms) or microseconds (μs).		
::= { wfmEntry 17 }			
wfmCursorH2Pos		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Position of the second horizontal cursor in waveform display. The range of values depends on the current video input format and the sweep timebase. Time values may be expressed as milliseconds (ms) or microseconds (μs).		
::= { wfmEntry 18 }			
wfmCursorV1Pos		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Position of the first vertical cursor in waveform display relative to sweep position. Value is a floating point number in mV.		
::= { wfmEntry 19 }			
wfmCursorV2Pos		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Position of the second vertical cursor in waveform display relative to sweep position. Value is a floating point number in mV.		
::= { wfmEntry 20 }			
wfmCursorHDelta		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Time difference between horizontal cursors.		
::= { wfmEntry 21 }			

Table 6: Waveform mode group (wfm wfm_mon 5) (Cont.)

Object identifier	Object type	WFM	WVR
wfmCursorVDelta		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Voltage difference between vertical cursors.		
::= { wfmEntry 22 }			
wfmHorPos		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform horizontal position as offset from center.		
::= { wfmEntry 23 }			
wfmVertPos		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform vertical position. Value is a floating point number in mV.		
::= { wfmEntry 24 }			
wfmHMag		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable waveform horizontal magnification.		
::= { wfmEntry 25 }			
wfmCenter		□	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Center waveform (write only).		
::= { wfmEntry 26 }			

Table 6: Waveform mode group (wfm wfm_mon 5) (Cont.)

Object identifier	Object type	WFM	WVR
wfmPercentCurUnits		■	□

SYNTAX	INTEGER {
	mV(0),
	percent(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Units of measure for vertical cursors.		
::= { wfmEntry 27 }			
wfmOneOverTCurUnits		■	□

SYNTAX	INTEGER {
	sec(0),
	oneOverT(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Units of measure for horizontal cursor delta as time or 1/t.		
::= { wfmEntry 28 }			
wfmSetCur100Percent		■	□
SYNTAX	INTEGER		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Sets current vertical cursor positions as 0% and 100% reference levels for normal waveform display (write-only).		
::= { wfmEntry 29 }			
bowtiePercentCurUnits		■	□

SYNTAX	INTEGER {
	mV(0),
	percent(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Units of measure for vertical cursors in Bowtie display.		
::= { wfmEntry 30 }			

Table 6: Waveform mode group (wfm wfm_mon 5) (Cont.)

Object identifier	Object type	WFM	WVR
bowtieOneOverTCurUnits		■	□

SYNTAX	INTEGER {
	sec(0),
	oneOverT(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Units of measure for time cursors in Bowtie display as time or 1/t.		
::= { wfmEntry 31 }			
bowtieSetCur100Percent		■	□
SYNTAX	INTEGER		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Sets current vertical cursor positions as 0% and 100% reference levels for Bowtie display (write-only).		
::= { wfmEntry 32 }			

Table 7: Vector mode group (vec wfm_mon 6)

Object identifier	Object type	WFM	WVR
vecPhase		□	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Vector phase adjustment for composite input.		
::= { vec 1 }			
vecTable		■	■
SYNTAX	SEQUENCE OF VecEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for vector display.		
::= { vec 2 }			

Table 7: Vector mode group (vec wfm_mon 6) (Cont.)

Object identifier	Object type	WFM	WVR
vecEntry		■	■
SYNTAX	VecEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the vector table.		
INDEX	{ currTile }		
::= { vecTable 1 }			
VecEntry ::= SEQUENCE {			
vecMode	INTEGER,		
vecHorPos	DisplayString,		
vecVertPos	DisplayString,		
vecTargets	INTEGER,		
vecGain	INTEGER,		
vecVarGainEnable	INTEGER,		
vecVarGain	DisplayString,		
vecCenter	INTEGER,		
}			
vecMode			
SYNTAX	INTEGER {		
	normal(0),	■	■
	rose(1),	■	■
	sch(2)	□	□
	}		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Vector display mode.		
::= { vecEntry 1 }			
vecHorPos		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Vector horizontal position (in mV).		
::= { vecEntry 2 }			
vecVertPos		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Vector vertical position (in mV).		
::= { vecEntry 3 }			

Table 7: Vector mode group (vec wfm_mon 6) (Cont.)

Object identifier	Object type	WFM	WVR
vecTargets		■	■

SYNTAX	INTEGER {
	bar-75-percent(0),
	bar-100-percent(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Vector bar targets (75% or 100%).		
::= { vecEntry 4 }			
vecGain			

SYNTAX	INTEGER {
	gain-x1(0),
	gain-x5(1),
	gain-x10(2)
	}
		
		■
		■
		■
			
			■
			■
			□

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Vector fixed gain.		
::= { vecEntry 5 }			
vecVarGainEnable		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable vector variable gain.		
::= { vecEntry 6 }			
vecVarGain		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Vector variable gain (effective). Range of values depends on current value of vecGain.		
::= { vecEntry 7 }			

Table 7: Vector mode group (vec wfm_mon 6) (Cont.)

Object identifier	Object type	WFM	WVR
vecCenter		□	■

SYNTAX	INTEGER {
	on-black(0)
	on-red(1),
	on-magenta(2),
	on-yellow(3),
	on-blue(4),
	on-green(5),
	on-cyan(6)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Center vector on display. On some instruments, the selected color bar target may be positioned at the center of the display (write only).		
::= { vecEntry 8 }			

Table 8: Arrowhead group (arr wfm_mon 7)

Object identifier	Object type	WFM	WVR
arrTable		■	■
SYNTAX	SEQUENCE OF ArrEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for arrowhead display mode.		
::= { arr 1 }			
arrEntry		■	■
SYNTAX	ArrEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the arrowhead table.		
INDEX	{ currTile }		
::= { arrTable 1 }			

ArrEntry ::= SEQUENCE {
arrMode INTEGER,
arrFmt INTEGER
}			

Table 8: Arrowhead group (arr wfm_mon 7) (Cont.)

Object identifier	Object type	WFM	WVR
arrMode		■	■

SYNTAX	INTEGER {
	normal(0),
	setup(1)
	}		

MAX-ACCESS	read-write		
STATUS	deprecated		
DESCRIPTION	Arrowhead display mode.		
::= { arrEntry 1 }			
arrFmt			

SYNTAX	INTEGER {
	ntsc(0),
	pal(1)
	auto(2)
	}
		
		■
		■
		■
			
			□
			□
			□

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Arrowhead destination video format. Selected format determines gamut limits and graticule.		
::= { arrEntry 2 }			

Table 9: Lightning group (lgt wfm_mon 8)

Object identifier	Object type	WFM	WVR
lgtTable		■	■
SYNTAX	SEQUENCE OF LgtEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for lightning display mode.		
::= { lgt 1 }			
lgtEntry		■	■
SYNTAX	LgtEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the lightning table.		
INDEX	{ currTile }		
::= { lgtTable 1 }			

Table 9: Lightning group (lgt wfm_mon 8) (Cont.)

Object identifier	Object type	WFM	WVR

LgtEntry ::= SEQUENCE {
lgtHorPos
lgtVertPos
lgtHorGain
lgtVertGain
lgtVarHGainEnable
lgtVarHorGain
lgtVarVGainEnable
lgtVarVertGain
lgtCenter
}
	
	DisplayString,
	DisplayString,
	INTEGER,
	INTEGER,
	INTEGER,
	DisplayString,
	INTEGER,
	DisplayString
	INTEGER		

lgtHorPos		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Lightning display horizontal position (-400.0 mV to 400.0 mV).		
::= { lgtEntry 1 }			
lgtVertPos		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Lightning display vertical position (-400.0 mV to 400.0 mV).		
::= { lgtEntry 2 }			
lgtHorGain			

SYNTAX	INTEGER {
	gain-x1(0),
	gain-x5(1),
	gain-x10(2)
	}
		
		■
		■
		□
			
			■
			■
			□

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Lightning display horizontal (chroma) fixed gain.		
::= { lgtEntry 3 }			

Table 9: Lightning group (lgt wfm_mon 8) (Cont.)

Object identifier	Object type	WFM	WVR
lgtVertGain			

SYNTAX	INTEGER {
	gain-x1(0),
	gain-x5(1),
	gain-x10(2)
	}
		■
		■
		■
			■
			■
			□

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Lightning display vertical (luma) fixed gain.		
::= { lgtEntry 4 }			
lgtVarHGainEnable		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable lightning horizontal (chroma) variable gain.		
::= { lgtEntry 5 }			
lgtVarHorGain		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Lightning effective variable horizontal (chroma) gain. Range of values depends on current value of lgtHorGain.		
::= { lgtEntry 6 }			
lgtVarVGainEnable		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable lightning vertical (luma) variable gain.		
::= { lgtEntry 7 }			

Table 9: Lightning group (lgt wfm_mon 8) (Cont.)

Object identifier	Object type	WFM	WVR
lgtVarVertGain		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Lightning effective variable vertical (luma) gain. Range of values depends on current value of lgtVertGain.		
::= { lgtEntry 8 }			
lgtCenter		□	■

SYNTAX	INTEGER {
	off(0)
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Center waveform in lightning mode (write only).		
::= { lgtEntry 9 }			

Table 10: Diamond group (dmd wfm_mon 9)

Object identifier	Object type	WFM	WVR
dmdTable		■	■
SYNTAX	SEQUENCE OF DmdEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for diamond display mode.		
::= { dmd 4 }			
dmdEntry		■	■
SYNTAX	DmdEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the diamond table.		
INDEX	{ currTile }		
::= { dmdTable 1 }			
DmdEntry ::= SEQUENCE { dmdMode INTEGER }			
dmdMode		■	■
SYNTAX	INTEGER { diamond(0), split-diamond(1) }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Diamond display mode.		
::= { dmdEntry 1 }			

Table 11: Picture mode group (pict wfm_mon 10)

Object identifier	Object type	WFM	WVR
pictTable		■	■
SYNTAX	SEQUENCE OF PictEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for picture display mode.		
::= { pict 1 }			
pictEntry		■	■
SYNTAX	PictEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the picture table.		
INDEX	{ currTile }		
::= { pictTable 1 }			

PictEntry ::= SEQUENCE {
pictFrame INTEGER,
pictCursorLine INTEGER
}			

pictFrame		□	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable picture frame.		
::= { pictEntry 1 }			
pictCursorLine		□	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable line select cursor in picture.		
::= { pictEntry 2 }			

Table 11: Picture mode group (pict wfm_mon 10) (Cont.)

Object identifier	Object type	WFM	WVR
safeAreaAction1		☐	■
SYNTAX	integer {off(0), autoFmt(1), aspect4X3(3), aspect14X9(4), aspect16X9(5), aspect1-85(6), aspect2-20(7) aspect2-35(8) custom_1(9), custom_2(10) }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects dimensions for safe action graticule 1.		
::= { pictEntry 3 }			
safeAreaTitle1		☐	■
SYNTAX	integer {off(0), autoFmt(1), aspect4X3(3), aspect14X9(4), aspect16X9(5), aspect1-85(6), aspect2-20(7) aspect2-35(8) custom_1(9), custom_2(10) }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects dimensions for safe action title graticule 1.		
::= { pictEntry 4}			

Table 11: Picture mode group (pict wfm_mon 10) (Cont.)

Object identifier	Object type	WFM	WVR
safeAreaAction2		☐	■
SYNTAX	integer {off(0), autoFmt(1), aspect4X3(3), aspect14X9(4), aspect16X9(5), aspect1-85(6), aspect2-20(7) aspect2-35(8) custom_1(9), custom_2(10) }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects dimensions for safe action graticule 2.		
::= { pictEntry 5 }			
safeAreaTitle2		☐	■
SYNTAX	integer {off(0), autoFmt(1), aspect4X3(3), aspect14X9(4), aspect16X9(5), aspect1-85(6), aspect2-20(7) aspect2-35(8) custom_1(9), custom_2(10) }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects dimensions for safe action title graticule 2.		
::= { pictEntry 6}			
pictureCenterGrat	integer off(0),On(1) pictEntry 7 “enable/disable display of the picture center graticule”	☐	■
MAX-ACCESS	read-write	☐	■
STATUS	current		
DESCRIPTION	Selects dimensions for safe action title graticule 2.		
::= { pictEntry 7}			

Table 11: Picture mode group (pict wfm_mon 10) (Cont.)

Object identifier	Object type	WFM	WVR
ccDisplayEnableTile		☐	■

SYNTAX	INTEGER {
	disable(0),
	enable(1)
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Enable/Disable closed caption display in the selected tile.		
::= {pictEntry 8}			
ccService608Tile		☐	■

SYNTAX	INTEGER {
	cc1(1),
	cc2(2),
	cc3(3),
	cc4(4),
	text1(5),
	text2(6),
	text3(7),
	text4(8)
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Selects the closed-caption service 608 channel for the selected Tile.		
::= {pictEntry 9}			
safeAreaStandard		☐	■

SYNTAX	integer{
	smpte(0),
	bbc(1),
	Arib-b4(2)
	}		

MAS-ACCESS	read-write		
DESCRIPTION	Selects the standard used for safe area graticule.		
::= {pict 2 }			
cstmSafeAction1Width		☐	■

SYNTAX	integer{
	0% to 100%
	}		

MAS-ACCESS	read-write		
DESCRIPTION	Sets the width of custom safe area 1 region as percent of target aperture.		
::= {pict 3 }			

Table 11: Picture mode group (pict wfm_mon 10) (Cont.)

Object identifier	Object type	WFM	WVR
cstmSafeAction1Height		□	■

SYNTAX	integer{
	0% to 100%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Height of custom safe area 1 region as percent of target aperture.		
::= {pict 4 }			
cstmSafeAction1HOffset		□	■

SYNTAX	integer{
	-50% to 50%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Horizontal offset of custom safe area 1 region as percent of target aperture.		
::= {pict 5 }			
cstmSafeAction1VOffset		□	■

SYNTAX	integer{
	-50% to 50%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Vertical offset of custom safe area 1 region as percent of target aperture.		
::= {pict 6 }			
cstmSafeTitle1Width		□	■

SYNTAX	integer{
	0% to 100%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Width of custom safe title area 1 region as percent of target aperture.		
::= {pict 7 }			
cstmSafeTitle1Height		□	■

SYNTAX	integer{
	0% to 100%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Height of custom safe title area 1 region as percent of target aperture.		
::= {pict 8 }			

Table 11: Picture mode group (pict wfm_mon 10) (Cont.)

Object identifier	Object type	WFM	WVR
cstmSafeTitle1HOffset		☐	■

SYNTAX	integer{
	-50% to 50%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Horizontal offset of custom safe title area 1 region as percent of target aperture.		
::= {pict 9 }			
cstmSafeTitle1VOffset		☐	■

SYNTAX	integer{
	-50% to 50%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Vertical offset of custom safe title area 1 region as percent of target aperture.		
::= {pict 10 }			
cstmSafeAction2Width		☐	■

SYNTAX	integer{
	0% to 100%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Width of custom safe area 2 region as percent of target aperture.		
::= {pict 11 }			
cstmSafeAction2Height		☐	■

SYNTAX	integer{
	0% to 100%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Height of custom safe area 2 region as percent of target aperture.		
::= {pict 12 }			
cstmSafeAction2HOffset		☐	■

SYNTAX	integer{
	-50% to 50%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Horizontal offset of custom safe area 2 region as percent of target aperture.		
::= {pict 13 }			

Table 11: Picture mode group (pict wfm_mon 10) (Cont.)

Object identifier	Object type	WFM	WVR
cstmSafeAction2VOffset		☐	■

SYNTAX	integer{
	-50% to 50%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Vertical offset of custom safe area 2 region as percent of target aperture.		
::= {pict 14 }			
cstmSafeTitle2Width		☐	■

SYNTAX	integer{
	0% to 100%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Width of custom safe title area 2 region as percent of target aperture.		
::= {pict 15 }			
cstmSafeTitle2Height		☐	■

SYNTAX	integer{
	0% to 100%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Height of custom safe title area 2 region as percent of target aperture.		
::= {pict 16}			
cstmSafeTitle2HOffset		☐	■

SYNTAX	integer{
	-50% to 50%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Horizontal offset of custom safe title area 2 region as percent of target aperture.		
::= {pict 17}			
cstmSafeTitle2VOffset		☐	■

SYNTAX	integer{
	0% to 100%
	}		

MAX-ACCESS	read-write		
DESCRIPTION	Vertical offset of custom safe title area 2 region as percent of target aperture.		
::= {pict 18}			

Table 12: SDI status group (sdistat wfm_mon 11)

Object identifier	Object type	WFM	WVR
sdiF1Crc		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	SDI Field 1 active picture CRC value.		
::= { sdistat 1 }			
sdiF2Crc		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	SDI Field 2 active picture CRC value.		
::= { sdistat 2 }			
sdiFfEdhErrSecs		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Number of seconds with EDH error in full field.		
::= { sdistat 3 }			
sdiApEdhErrSecs		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Number of seconds with EDH error in active picture.		
::= { sdistat 4 }			
sdiEdhReset		■	■

SYNTAX	INTEGER {
	edh-reset(0),
	edh-stop(1),
	edh-run(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Resets, stops, and runs the video session.		
::= { sdistat 5 }			

Table 12: SDI status group (sdistat wfm_mon 11) (Cont.)

Object identifier	Object type	WFM	WVR
sdiEdhFfErrField		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Number of fields with full field EDH errors since last reset.		
::= { sdistat 6 }			
sdiEdhApErrField		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Number of fields with active picture EDH errors since last reset.		
::= { sdistat 7 }			
sdiEdhFfPctErrField		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Percent of fields with full field EDH errors since last reset.		
::= { sdistat 8 }			
adiEdhApPctErrField		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Percent of fields with active picture EDH errors since last reset.		
::= { sdistat 9 }			
sdiRgbErrSecs		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Number of RGB errored seconds since last reset.		
::= { sdistat 10 }			
sdiRgbErrField		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Number of RGB errored fields since last reset.		
::= { sdistat 11 }			

Table 12: SDI status group (sdistat wfm_mon 11) (Cont.)

Object identifier	Object type	WFM	WVR
sdiRgbPctErrField		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Percent of fields with RGB errors since last reset.		
::= { sdistat 12 }			
sdiCpstErrSecs		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Number of seconds with Y+C errors since last reset.		
::= { sdistat 13 }			
sdiCpstErrField		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Number of fields with Y+C errors since last reset.		
::= { sdistat 14 }			
sdiCpstPctErrField		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Percentage of fields with Y+C errors since last reset.		
::= { sdistat 15 }			
sdiLumaErrSecs		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Number of seconds with Luma errors since last reset.		
::= { sdistat 16 }			
sdiLumaErrField		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Number of fields with Luma errors since last reset.		
::= { sdistat 17 }			

Table 12: SDI status group (sdistat wfm_mon 11) (Cont.)

Object identifier	Object type	WFM	WVR
sdiLumaPctErrField		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Percent of fields with Luma errors since last reset.		
::= { sdistat 18 }			
sdiEdhErrSecs		□	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Edh Luma errored seconds.		
::= { sdistat 19 }			
sdiEdhErrField		□	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Edh Luma errored fields.		
::= { sdistat 20 }			
sdiEdhPctErrField		□	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Edh Luma percent of errored fields.		
::= { sdistat 21 }			
sdi352Payload		□	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	SDI 352 payload value.		
::= { sdistat 22 }			
sdiStuckbits		□	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Stuck bits in SD SDI data.		
::= { sdistat 23 }			

Table 12: SDI status group (sdistat wfm_mon 11) (Cont.)

Object identifier	Object type	WFM	WVR
sdiYStuckbits		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Stuck bits in HD SDI Y channel data.		
::= { sdistat 24 }			
sdiCStuckbits		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Stuck bits in HD SDI C channel data.		
::= { sdistat 25 }			
sdiYCrcErrSecs		☐	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Sdi Y CRC errored seconds.		
::= { sdistat 26 }			
sdiYCrcErrField		☐	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Sdi Y CRC errored seconds.		
::= { sdistat 27 }			
sdiYCrcPctErrField		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Sdi Y CRC Percent Error Fields.		
::= { sdistat 28 }			
sdiCCrcErrSecs		☐	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Sdi C CRC errored seconds.		
::= { sdistat 29 }			

Table 12: SDI status group (sdistat wfm_mon 11) (Cont.)

Object identifier	Object type	WFM	WVR
sdiCCrcErrField		☐	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Sdi C CRC errored seconds.		
::= { sdistat 30 }			
sdiCCrcPctErrField		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Sdi C CRC Percent Error Fields.		
::= { sdistat 31 }			
sdiYAncCksmErrSecs		☐	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Sdi Y Anc checksum errored seconds.		
::= { sdistat 32 }			
sdiYAncCksmErrField		☐	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Sdi Y Anc checksum errored seconds.		
::= { sdistat 33 }			
sdiYAncCksmPctErrField		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Sdi Y Anc checksum Percent Error Fields.		
::= { sdistat 34 }			
sdiCAncCksmErrSecs		☐	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Sdi C Anc checksum errored seconds.		
::= { sdistat 35 }			

Table 12: SDI status group (sdistat wfm_mon 11) (Cont.)

Object identifier	Object type	WFM	WVR
sdiCAncCksmErrField		☐	■
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Sdi C Anc checksum errored seconds.		
::= { sdistat 36 }			
sdiCAncCksmPctErrField		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Sdi C Anc checksum Percent Error Fields.		
::= { sdistat 37 }			
vidSessionRuntime		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Video session run time. Time is in day, hour, min, sec: “dd, hh:mm:ss”		
::= { sdistat 38 }			

Table 13: Presets group (preset wfm_mon 12)

Object identifier	Object type	WFM	WVR
presetLoad		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Recall/Load a preset configuration from instrument non-volatile storage. Factory preset is preset number 0. User presets start at preset number 1 (write only).		
::= { preset 1 }			
presetSave		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Save the current settings to one of user preset storage locations in instrument non-volatile storage. User presets start at location number 1 (write only).		
::= { preset 2 }			
presetLoadProgress		□	■

SYNTAX	INTEGER {
	0..100
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Indicates preset loading process progress (percent of restore process completed).		
::= { preset 3 }			
presetRemove		■	□

SYNTAX	INTEGER {
	WFM: 1..42
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Delete the selected preset (write-only).		
::= { preset 4 }			

Table 14: Gamut group (gamut wfm_mon 13)

Object identifier	Object type	WFM	WVR
arrNtscThrHigh		■	▣
SYNTAX	INTEGER } 90..135 }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Upper threshold of NTSC composite signal (IRE units).		
::= { gamut 1 }			
arrPalThrHigh		■	▣

SYNTAX	INTEGER {
	630..950
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Upper threshold of PAL composite signal (mV).		
::= { gamut 2 }			
arrPalThrLow		■	▣

SYNTAX	INTEGER {
	-400..-100
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Lower threshold of PAL composite signal (mV).		
::= { gamut 3 }			
arrThrArea		■	▣

SYNTAX	INTEGER {
	0..10%
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Arrowhead threshold area (%).		
::= { gamut 4 }			

Table 14: Gamut group (gamut wfm_mon 13) (Cont.)

Object identifier	Object type	WFM	WVR
lumaThrHigh		■	▣

SYNTAX	INTEGER {
	90..108
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Upper luma threshold (%).		
::= { gamut 5 }			
lumaThrLow		■	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Lower luma threshold (%).		
::= { gamut 6 }			
lumaThrArea		■	▣

SYNTAX	INTEGER {
	0..10
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Luma threshold area (% of active picture).		
::= { gamut 7 }			
arrNtscThrLow		■	▣
SYNTAX	INTEGER } -50..10 }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Lower threshold of NTSC composite signal (IRE units).		
::= { gamut 8 }			
resetLumaDefault		■	■

SYNTAX	INTEGER {
	reset(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Reset Luma thresholds to default values (write-only).		
::= { gamut 9 }			

Table 14: Gamut group (gamut wfm_mon 13) (Cont.)

Object identifier	Object type	WFM	WVR
resetEBUR-103Default		■	■

SYNTAX	INTEGER {
	reset(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Reset gamut threshold to EBU-R103 default values (write-only).		
::= { gamut 10 }			
dmdThrHigh		■	■

SYNTAX	INTEGER {
	630..756
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	RGB gamut upper threshold (mV).		
::= { gamut 11 }			
dmdThrLow		■	■

SYNTAX	INTEGER {
	WFM: -50..35,
	WVR: -70..35
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	RGB gamut lower threshold (mV).		
::= { gamut 12 }			
dmdThrArea		■	■
SYNTAX	INTEGER (0..10)		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	RGB gamut threshold area (%).		
::= { gamut 13 }			
resetTekDefault		■	□

SYNTAX	INTEGER {
	reset(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Reset Tek default thresholds (write-only).		
::= { gamut 14 }			

Table 14: Gamut group (gamut wfm_mon 13) (Cont.)

Object identifier	Object type	WFM	WVR
rgbGamutfilter		■	■

SYNTAX	INTEGER {
	horizontal(0),
	horizPlusVert(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	RGB gamut filter selection.		
::= { gamut 15 }			
cpstGamutFilter		■	■

SYNTAX	INTEGER {
	horizontal(0),
	horizPlusVert(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Composite gamut filter selection.		
::= { gamut 16 }			
lumaGamutFilter		■	■

SYNTAX	INTEGER {
	horizontal(0),
	horizPlusVert(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Luma gamut filter selection.		
::= { gamut 17 }			

Table 15: Eye group (eye wfm_mon 14)

Object identifier	Object type	WFM	WVR
eyeTable		▣	☐
SYNTAX	SEQUENCE OF eyeEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for eye display mode.		
::= { eye 1 }			
eyeEntry		▣	☐
SYNTAX	eyeEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the eye table.		
INDEX	{ currTile }		
::= { eyeTable 1 }			

```
EyeEntry ::= SEQUENCE {
        eyeHorPos                DisplayString,
        eyeVertPos               DisplayString,
        eyeSweepMode             INTEGER,
        eyeGainMode              INTEGER,
        eyeVarGainEnable         INTEGER,
        eyeVarGain               DisplayString,
        eyeCursorMode            INTEGER,
        eyeCursorActive          INTEGER,
        eyeCursorH1Pos           DisplayString,
        eyeCursorH2Pos           DisplayString,
        eyeCursorV1Pos           DisplayString,
        eyeCursorV2Pos           DisplayString,
        eyeCursorHDelta          DisplayString,
        eyeCursorVDelta          DisplayString,
        eyeHMag                  INTEGER,
        eyeCenter                INTEGER,
        eyeFilterBw              INTEGER,
        eyeNumEyes               INTEGER,
        eyeAmplitude             INTEGER,
        eyeRiseOvershoot         INTEGER,
        eyeFallOvershoot         INTEGER,
        eyeRiseTime              INTEGER,
        eyeFallTime              INTEGER,
        eyeRiseFallDelta         INTEGER,
        eyeDcOffset              INTEGER,
        eyePercentCurUnits       INTEGER,
        eyeOneOverTCurUnits      INTEGER,
        eyeSetCur100Percent      INTEGER
        }
```

Table 15: Eye group (eye wfm_mon 14) (Cont.)

Object identifier	Object type	WFM	WVR
eyeHorPos		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Horizontal position of eye pattern.		
::= { eyeEntry 1 }			
eyeVertPos		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Vertical position of eye pattern.		
::= { eyeEntry 2 }			
eyeSweepMode		▣	☐

SYNTAX	INTEGER {
	h1(1),
	h2(2),
	f1(3),
	f2(4)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Sweep mode of eye pattern display.		
::= { eyeEntry 3 }			
eyeGainMode			
SYNTAX	INTEGER {		
	gain-x1(0),	▣	☐
	gain-x2(1),	▣	☐
	gain-x5(2),	▣	▣
	gain-x10(3)	▣	▣
	}		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Fixed gain for eye pattern display.		
::= { eyeEntry 4 }			

Table 15: Eye group (eye wfm_mon 14) (Cont.)

Object identifier	Object type	WFM	WVR
eyeVarGainEnable		▣	☐

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable variable gain for eye pattern display.		
::= { eyeEntry 5 }			
eyeVarGain		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Variable gain for eye pattern display (effective). Range of values depends on current value of eyeGainMode.		
::= { eyeEntry 6 }			
eyeCursorMode		▣	☐

SYNTAX	INTEGER {
	volt(0),
	time(1),
	voltAndTime(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Cursor mode for eye pattern display.		
::= { eyeEntry 7 }			
eyeCursorActive		▣	☐

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable cursors in eye display mode.		
::= { eyeEntry 8 }			

Table 15: Eye group (eye wfm_mon 14) (Cont.)

Object identifier	Object type	WFM	WVR
eyeCursorH1Pos		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Position of first horizontal cursor in eye pattern display.		
::= { eyeEntry 9 }			
eyeCursorH2Pos		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Position of second horizontal cursor in eye pattern display.		
::= { eyeEntry 10 }			
eyeCursorV1Pos		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Position of first vertical cursor in eye pattern display (mV).		
::= { eyeEntry 11 }			
eyeCursorV2Pos		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Position of second vertical cursor in eye pattern display (mV).		
::= { eyeEntry 12 }			
eyeCursorHDelta		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Time difference between horizontal cursors in eye display mode.		
::= { eyeEntry 13 }			
eyeCursorVDelta		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Voltage difference between horizontal cursors in eye display mode.		
::= { eyeEntry 14 }			

Table 15: Eye group (eye wfm_mon 14) (Cont.)

Object identifier	Object type	WFM	WVR
eyeHMag		▣	☐

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable horizontal magnification in eye pattern display.		
::= { eyeEntry 15 }			
eyeCenter		☐	☐

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Center eye pattern (write-only).		
::= { eyeEntry 16 }			
eyeFilterBw			

SYNTAX	INTEGER {
	bw10Hz(1),
	bw100Hz(2),
	bw1KHz(3),
	bw10kHz(4),
	bw100kHz(5)
	}
		
		▣
		▣
		▣
		☐
		☐
			
			☐
			☐
			☐
			☐
			☐

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Eye filter bandwidth.		
::= { eyeEntry 17 }			
eyeNumEyes		▣	☐

SYNTAX	INTEGER {
	eye3(0),
	eye10(1),
	eye20(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Number of eyes in eye pattern.		
::= { eyeEntry 18 }			

Table 15: Eye group (eye wfm_mon 14) (Cont.)

Object identifier	Object type	WFM	WVR
eyeAmplitude		▣	☐
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Eye signal amplitude (mV).		
::= { eyeEntry 19 }			
eyeRiseOvershoot		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Eye signal overshoot (%).		
::= { eyeEntry 20 }			
eyeFallOvershoot		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Eye signal undershoot (%).		
::= { eyeEntry 21 }			
eyeRiseTime		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Eye signal rise time (nanoseconds).		
::= { eyeEntry 22 }			
eyeFallTime		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Eye signal fall time (nanoseconds).		
::= { eyeEntry 23 }			
eyeRiseFallDelta		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Eye signal delta (nanoseconds).		
::= { eyeEntry 24 }			

Table 15: Eye group (eye wfm_mon 14) (Cont.)

Object identifier	Object type	WFM	WVR
eyeDcOffset		☐	☐
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Eye DC offset.		
::= { eyeEntry 25 }			
eyePercentCurUnits		▣	☐

SYNTAX	INTEGER {
	mV(0),
	percent(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Units of measure for vertical cursors in eye display mode.		
::= { eyeEntry 26 }			
eyeOneOverTCurUnits		▣	☐

SYNTAX	INTEGER {
	sec(0),
	oneOverT(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Units of measure for horizontal cursor delta as time or 1/t.		
::= { eyeEntry 27 }			
eyeSetCur100Percent		▣	☐
SYNTAX	INTEGER		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Sets current vertical cursor positions as 0% and 100% reference levels for eye mode display (write-only).		
::= { eyeEntry 28 }			

Table 16: Jitter group (jit wfm_mon 15)

Object identifier	Object type	WFM	WVR
jitTable		▣	☐
SYNTAX	SEQUENCE OF jitEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for jitter display mode.		
::= { jitter 1 }			
jitEntry		▣	☐
SYNTAX	jitEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the jitter display table.		
::= { jitTable 1 }			
jitEntry ::= SEQUENCE {			
jitHorPos	DisplayString,		
jitVertPos	DisplayString,		
jitSweepMode	INTEGER,		
jitGainMode	INTEGER,		
jitVarGainEnable	INTEGER,		
jitVarGain	DisplayString,		
jitCursorMode	INTEGER,		
jitCursorActive	INTEGER,		
jitCursorH1Pos	DisplayString,		
jitCursorH2Pos	DisplayString,		
jitCursorV1Pos	DisplayString,		
jitCursorV2Pos	DisplayString,		
jitCursorHDelta	DisplayString,		
jitCursorVDelta	DisplayString,		
jitHMag	INTEGER,		
jitCenter	INTEGER,		
jitHpfBw	INTEGER,		
jitMeasurement	DisplayString,		
jitPercentCurUnits	INTEGER,		
jitOneOverTCurUnits	INTEGER,		
jitSetCur100Percent	INTEGER		
}			
jitHorPos		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Horizontal position for jitter waveform.		
::= {jitEntry 1 }			

Table 16: Jitter group (jit wfm_mon 15) (Cont.)

Object identifier	Object type	WFM	WVR
jitVertPos		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Vertical position for jitter waveform.		
::= {jitEntry 2 }			
jitSweepMode		▣	☐

SYNTAX	INTEGER {
	h1(1)
	h2(2),
	f1(3),
	f2(4)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Sweep mode for jitter waveform.		
::= {jitEntry 3 }			
jitGainMode			

SYNTAX	INTEGER {
	gain-x1(0),
	gain-x1(0),
	gain-x5(1),
	gain-x10(2)
	}
		
		▣
		▣
		▣
		▣
			
			☐
			☐
			☐
			☐

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Fixed gain for jitter display mode.		
::= {jitEntry 4 }			
jitVarGainEnable		▣	☐

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable variable gain for jitter display mode.		
::= {jitEntry 5 }			

Table 16: Jitter group (jit wfm_mon 15) (Cont.)

Object identifier	Object type	WFM	WVR
jitVarGain		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Variable gain value for jitter display mode. Range of values depend on current value of wfmGainMode.		
::= {jitEntry 6 }			
jitCursorMode		▣	☐

SYNTAX	INTEGER {
	volt(0),
	time(1),
	voltAndTime(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Cursor mode for jitter display mode.		
::= {jitEntry 7 }			
jitCursorActive		▣	☐

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable cursors in jitter display mode.		
::= {jitEntry 8 }			
jitCursorH1Pos		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Position of the first horizontal cursor in jitter display mode.		
::= {jitEntry 9 }			
jitCursorH2Pos		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Position of the second horizontal cursor in jitter display mode.		
::= {jitEntry 10 }			

Table 16: Jitter group (jit wfm_mon 15) (Cont.)

Object identifier	Object type	WFM	WVR
jitCursorV1Pos		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Position of the first vertical cursor in jitter display mode.		
::= {jitEntry 11 }			
jitCursorV2Pos		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Position of the second vertical cursor in jitter display mode.		
::= {jitEntry 12 }			
jitCursorHDelta		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Time difference between horizontal cursors in jitter display mode.		
::= {jitEntry 13 }			
jitCursorVDelta		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Voltage difference between vertical cursors in jitter display mode.		
::= {jitEntry 14 }			
jitHMag		▣	☐

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable horizontal magnification in jitter display mode.		
::= {jitEntry 15 }			

Table 16: Jitter group (jit wfm_mon 15) (Cont.)

Object identifier	Object type	WFM	WVR
jitCenter		☐	☐

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Center jitter waveform (write-only).		
::= {jitEntry 16 }			
jitHpfBw		▣	☐

SYNTAX	INTEGER {
	bw10Hz(1),
	bw1KHz(3),
	bw10KHz(4),
	bw100KHz(5),
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Jitter high-pass filter bandwidth.		
::= {jitEntry 17 }			
jitMeasurement		▣	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Jitter measurement in ps and UI.		
::= {jitEntry 18 }			
jitPercentCurUnits		▣	☐

SYNTAX	INTEGER {
	mV(0),
	percent(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Units of measure for vertical cursors in jitter display mode.		
::= {jitEntry 19 }			

Table 16: Jitter group (jit wfm_mon 15) (Cont.)

Object identifier	Object type	WFM	WVR
jitOneOverTCurUnits		▣	☐

SYNTAX	INTEGER {
	sec(0),
	oneOverT(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Units of measure for horizontal cursor delta as time or 1/t.		
::= {jitEntry 20 }			
jitSetCur100Percent		▣	☐
SYNTAX	INTEGER		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Sets current vertical cursor positions as 0% and 100% reference levels for normal waveform display (write-only).		
::= {jitEntry 21 }			

Table 17: Log Status group (logstat)

Object identifier	Object type	WFM	WVR
logClear		■	■

SYNTAX	INTEGER {
	clear(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Clear the status log (write-only).		
::= { logstat 1 }			
logActive		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable the logging of alarms.		
::= { logstat 2 }			
logPageTable		■	■
SYNTAX	SEQUENCE OF LogPageEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for status log viewer.		
::= { logstat 4 }			
logPageEntry		■	■
SYNTAX	LogPageEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the logPage table.		
INDEX	{ currTile }		
::= { LogPageTable 1 }			

LogPageEntry ::= SEQUENCE {
LogPage INTEGER,
eventLogStorageMode INTEGER,
dolbyStatusProgNum INTEGER
}			

Table 17: Log Status group (logstat) (Cont.)

Object identifier	Object type	WFM	WVR
logPage		☐	■

SYNTAX	INTEGER {
	first(1),
	last(2),
	prev(3),
	next(4)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Go to the specified page of the log (write-only).		
::= { LogPageEntry 1 }			
eventLogStorageMode		■	☐

SYNTAX	INTEGER {
	logForResolution(1),
	logForDuration(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Event Log Storage mode.		
::= { LogPageEntry 2 }			
dolbyStatusProgNum		☐	■

SYNTAX	INTEGER {
	prog1(1),
	prog2(2),
	prog3(3),
	prog4(4),
	prog5(5),
	prog6(6),
	prog7(7),
	prog8(8)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Dolby status page program selection.		
::= { LogPageEntry 3 }			

Table 18: Audio group (audio wfm_mon 17)

Object identifier	Object type	WFM	WVR
audTable		▣	▣
SYNTAX	SEQUENCE OF AudEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for audio mode.		
::= { audio 1 }			
audEntry		▣	▣
SYNTAX	AudEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the audio table.		
INDEX	{ currTile }		
::= { audTable 1 }			
AudEntry ::= SEQUENCE {			
audPhaseDisplay	INTEGER,		
audAuxDisplay	INTEGER,		
audPhaseStyle	INTEGER,		
audPhasePair	INTEGER,		
audInput	INTEGER		
}			
audPhaseDisplay		▣	▣

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable audio phase display.		
::= { audEntry 1 }			
audAuxDisplay		▣	▣

SYNTAX	INTEGER {
	off(0),
	phaseDisplay(1),
	surroundDisplay(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects audio auxiliary display.		
::= { audEntry 1 }			

Table 18: Audio group (audio wfm_mon 17) (Cont.)

Object identifier	Object type	WFM	WVR
audPhaseStyle		▣	▣

SYNTAX	INTEGER {
	sound-stage(0),
	xy(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Audio phase orientation: SoundStage Lissajous or xy Lissajous.		
::= { audEntry 2 }			
audPhasePair			

SYNTAX	INTEGER {
	pair1-2(0),
	pair3-4(1),
	pair5-6(2),
	pair7-8(3),
	pair9-10(4)
	custom(-1)
	}
		
		▣
		▣
		▣
		▣
		▣
		☐
			
			▣
			▣
			▣
			▣
			▣
			▣

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Audio channel pair to monitor in phase display.		
::= { audEntry 3 }			
audInput			

SYNTAX	INTEGER {
	analogA(1),
	analogB(2),
	aesA(3),
	aesB(4)
	embedded(5),
	follows-video(6),
	dolby1(7),
	dolby2(8),
	dolby3(9),
	dolby4(10)
	}
		
		☐
		☐
		▣
		☐
		▣
		☐
		☐
		☐
		☐
		☐
			
			▣
			▣
			▣
			▣
			▣
			▣
			▣
			▣
			▣
			▣

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Current Audio Input source. Note that **embedded** is not valid for composite A or B inputs.		
::= { audEntry 4 }			

Table 18: Audio group (audio wfm_mon 17) (Cont.)

Object identifier	Object type	WFM	WVR
audCustomPhaseA		☐	▣

SYNTAX	INTEGER {
	channel1(1),
	channel2(2),
	channel3(3),
	channel4(4),
	channel5(5),
	channel6(6),
	channel7(7),
	channel8(8),
	channel9(9),
	channel10(10)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Phase channel A for custom phase pair selection. Only visible if phase display is active. Channels 9 & 10 only apply to Dolby Inputs.		
::= { audEntry 5 }			
audCustomPhaseB		☐	▣

SYNTAX	INTEGER {
	channel1(1),
	channel2(2),
	channel3(3),
	channel4(4),
	channel5(5),
	channel6(6),
	channel7(7),
	channel8(8),
	channel9(9),
	channel10(10)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Phase channel B for custom phase pair selection. Only visible if phase display is active. Channels 9 & 10 only apply to Dolby Inputs.		
::= { audEntry 5 }			

Table 18: Audio group (audio wfm_mon 17) (Cont.)

Object identifier	Object type	WFM	WVR
audDolbyEPgm		☐	▣

SYNTAX	INTEGER {
	prog1(1),
	prog2(2),
	prog3(3),
	prog4(4),
	prog5(5),
	prog6(6),
	prog7(7),
	prog8(8)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Dolby E program. Only visible if surround display is active. Only visible if the current audio input is Dolby.		
::= { audEntry 7 }			

Table 19: Audio input/output group (audiolo wfm_mon 18)

Object identifier	Object type	WFM	WVR
audAESportBout		☐	▣

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Set AES port B output active when embedded audio is the active audio source.		
::= { audiolo 1 }			
audAna-A-Format		☐	▣

SYNTAX	INTEGER {
	pairs(0),
	surround(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Meter format for analog input A.		
::= { audiolo 2 }			
audAna-B-Format		☐	▣

SYNTAX	INTEGER {
	pairs(0),
	surround(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Meter format for analog input B.		
::= { audiolo 3 }			
audAES-A-Format		▣	▣

SYNTAX	INTEGER {
	pairs(0),
	surround(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Meter format for AES input A.		
::= { audiolo 4 }			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audAES-B-Format		☐	▣

SYNTAX	INTEGER {
	pairs(0),
	surround(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Meter format for AES input B.		
::= { audiolo 5 }			
audEmbed-A-Format		▣	▣

SYNTAX	INTEGER {
	pairs(0),
	surround (1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Meter format for embedded input from SDI input A.		
::= { audiolo 6 }			
audEmbed-B-Format		☐	▣

SYNTAX	INTEGER {
	pairs(0),
	surround (1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Meter format for embedded input from SDI input B.		
::= { audiolo 7 }			

Table 19: Audio input/output group (audioIo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
levelMeters		▣	▣

SYNTAX	INTEGER {
	barPair1(0),
	barPair2(1),
	barPair3(2),
	barPair4(3)
	}		

MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Level meter pair number. This variable is an index for audBarInTable. The audio bar pairs also correspond to the following surround channels: barPair1 = L & R barPair2 = Ls & Rs barPair3 = C & Lfe barPair4 = Lo & Ro		
::= { audioIo 8 }			
audBarInTable		▣	▣
SYNTAX	SEQUENCE OF AudBarInEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for bar to audio source input map.		
::= { audioIo 9 }			
audBarInEntry		▣	▣
SYNTAX	AudBarInEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the audBarInTable.		
INDEX	{ levelMeters }		
::= { audBarInTable 1 }			

AudBarInEntry ::= SEQUENCE {
audAES-A-BarInput INTEGER,
audAES-B-BarInput INTEGER,
audEmbed-A-BarInput INTEGER,
audEmbed-B-BarInput INTEGER
}			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audAES-A-BarInput		▣	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	AES input assignment for each pair of level meters. Refer to the description of levelMeters for mapping of surround channels to level meter pairs. An AES stream can be assigned to more than one meter pair or a meter pair can be disabled by selecting ‘none’.		
::= { audBarInEntry 1 }			
audAES-B-BarInput		□	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	AES input assignment for each pair of level meters. Refer to the description of levelMeters for mapping of surround channels to level meter pairs. An AES stream can be assigned to more than one meter pair or a meter pair can be disabled by selecting ‘none’.		
::= { audBarInEntry 2 }			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audEmbed-A-BarInput		▣	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	pair5(5),
	pair6(6),
	pair7(7),
	pair8(8)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Embedded audio stream assignments for each pair of level meters. Refer to the description of levelMeters for mapping of surround channels to level meter pairs. An AES stream can be assigned to more than one meter pair. Unused level meters can be assigned to none.		
::= { audBarInEntry 3 }			
audEmbed-B-BarInput		□	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	pair5(5),
	pair6(6),
	pair7(7),
	pair8(8)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Embedded audio stream assignments for each pair of level meters. Refer to the description of levelMeters for mapping of surround channels to level meter pairs. An AES stream can be assigned to more than one meter pair. Unused level meters can be assigned to none.		
::= { audBarInEntry 4 }			

Table 19: Audio input/output group (audioIo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
analogLevelMeters		▣	▣

SYNTAX	INTEGER {
	barPair1(0),
	barPair2(1),
	barPair3(2),
	}		

MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Level meter pair number for analog. This variable is used as an index for analogBarInTable. The audio bar pairs also correspond to the following surround channels: barPair1 = L & R barPair2 = Ls & Rs barPair3 = C & Lfe		
::= { audioIo 10 }			
analogBarInTable		▣	▣
SYNTAX	SEQUENCE OF AnalogBarInEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for Bar to audio analog source input map.		
::= { audioIo 11 }			
analogBarInEntry		▣	▣
SYNTAX	SEQUENCE OF AnalogBarInEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the analogBarInTable.		
INDEX	{ analogBarInTable 1 }		
::= { analogBarInTable 1 }			

AnalogBarInEntry::= SEQUENCE {
audAna-A-BarInput INTEGER,
audAna-B-BarInput INTEGER
}			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audAna-A-BarInput		☐	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Audio input assignment for each pair of level meters. Refer to the description of analogLevelMeters for mapping of surround channels. Each analog audio pair corresponds to the following analog inputs: pair1 = inputs 1 & 2 pair2 = inputs 3 & 4 pair3 = inputs 5 & 6		
::= { analogBarInEntry 1 }			
audAna-B-BarInput		☐	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Audio input assignment for each pair of level meters. Refer to the description of analogLevelMeters for mapping of surround channels. Each analog audio pair corresponds to the following analog inputs: pair1 = inputs 1 & 2 pair2 = inputs 3 & 4 pair3 = inputs 5 & 6		
::= { analogBarInEntry 2 }			
analogOutputs		▣	▣

SYNTAX	INTEGER {
	output1(0),
	output2(1),
	output3(2)
	}		

MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Analog output number. This is used as index in audBarOutTable. Each output represents a pair of analog outputs.		
::= { audiolo 12 }			

Table 19: Audio input/output group (audioIo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audBarOutTable		▣	▣
SYNTAX	SEQUENCE OF AudBarOutEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for audio bar to output port mappings. The table routes the audio input source for each selected level meter to an analog output.		
::= { audioIo 13 }			
audBarOutEntry		☐	▣
SYNTAX	AudBarOutEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the audBarOutTable.		
INDEX	{ analogOutputs }		
::= { audBarOutTable 1 }			

AudBarOutEntry::= SEQUENCE {
audAES-A-BarOutput INTEGER,
audAES-B-BarOutput INTEGER,
audAna-A-BarOutput INTEGER,
audAna-B-BarOutput INTEGER,
audEmbed-A-BarOutput INTEGER,
audEmbed-B-BarOutput INTEGER,
audDolby-1-BarOutput INTEGER,
audDolby-2-BarOutput INTEGER,
audDolby-3-BarOutput INTEGER,
audDolby-4-BarOutput INTEGER
}			

audAES-A-BarOutput		☐	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4)
	phasePair(-1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog output mapping from AES A level meters. Routes the audio input assigned to a meter to a pair of analog outputs. This output mapping is effective when the audInput configuration selects AES A.		
::= { audBarOutEntry 1 }			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audAES-B-BarOutput		☐	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	phasePair(-1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog output mapping from AES A level meters. Routes the audio input assigned to a meter to a pair of analog outputs. This output mapping is effective when the audInput configuration selects AES B.		
::= { audBarOutEntry 2 }			
audAna-A-BarOutput		☐	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	phasePair(-1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog output mapping from Analog A level meters. Routes the audio input assigned to a meter to a pair of analog outputs. This output mapping is effective when the audInput configuration selects analog A inputs.		
::= { audBarOutEntry 3 }			
audAna-B-BarOutput		☐	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	phasePair(-1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog output mapping from Analog B level meters. Routes the audio input assigned to a meter to a pair of analog outputs. This output mapping is effective when the audInput configuration selects analog B inputs.		
::= { audBarOutEntry 4 }			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audEmbed-A-BarOutput		▣	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	phasePair(-1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog output mapping from Embedded A level meters. Routes the audio input assigned to a meter to a pair of analog outputs. This output mapping is effective when the audInput configuration selects embedded audio from SDI input A.		
::= { audBarOutEntry 5 }			
audEmbed-B-BarOutput		□	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	phasePair(-1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog output mapping from Embedded B level meters. Routes the audio input assigned to a meter to a pair of analog outputs. This output mapping is effective when the audInput configuration selects embedded audio from SDI input B.		
::= { audBarOutEntry 6 }			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audDolby-1-BarOutput		☐	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	pair5(5),
	phasePair(-1)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Analog output mapping from Dolby 1 level meters. Routes the audio input assigned to a meter to a pair of analog outputs. This output mapping is effective when the audInput configuration selects Dolby 1 input.		
::= {audBarOutEntry 7}			
audDolby-2-BarOutput		☐	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	pair5(5),
	phasePair(-1)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Analog output mapping from Dolby 2 level meters. Routes the audio input assigned to a meter to a pair of analog outputs. This output mapping is effective when the audInput configuration selects Dolby 1 input.		
::= {audBarOutEntry 8}			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audDolby-3-BarOutput		☐	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	pair5(5),
	phasePair(-1)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Analog output mapping from Dolby 3 level meters. Routes the audio input assigned to a meter to a pair of analog outputs. This output mapping is effective when the audInput configuration selects Dolby 1 input.		
::= {audBarOutEntry 9}			
audDolby-4-BarOutput		☐	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	pair5(5),
	phasePair(-1)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Analog output mapping from Dolby 4 level meters. Routes the audio input assigned to a meter to a pair of analog outputs. This output mapping is effective when the audInput configuration selects Dolby 1 input.		
::= {audBarOutEntry 10}			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audVidMap-SDI-A		☐	▣

SYNTAX	INTEGER {
	none(0),
	aesA(1),
	aesB(2),
	analogA(3),
	analogB(4),
	embedded(5),
	dolby1(7),
	dolby2(8),
	dolby3(9),
	dolby4(10)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Video to Audio Map for SDI A.		
::= {audiolo 14}			
audVidMap-SDI-B		☐	▣

SYNTAX	INTEGER {
	none(0),
	aesA(1),
	aesB(2),
	analogA(3),
	analogB(4),
	embedded(5)
	dolby1(7),
	dolby2(8),
	dolby3(9),
	dolby4(10)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Video to Audio Map for SDI B.		
::= {audiolo 15}			

Table 19: Audio input/output group (audioIo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audVidMap-Cmpst-A		☐	▣

SYNTAX	INTEGER {
	none(0),
	aesA(1),
	aesB(2),
	analogA(3),
	analogB(4),
	dolby1(7),
	dolby2(8),
	dolby3(9),
	dolby4(10)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Video to audio source map for Composite A.		
::= { audioIo 16 }			
audVidMap-Cmpst-B		☐	▣

SYNTAX	INTEGER {
	none(0),
	aesA(1),
	aesB(2),
	analogA(3),
	analogB(4),
	dolby1(7),
	dolby2(8),
	dolby3(9),
	dolby4(10)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Video to audio source map for Composite B.		
::= { audioIo 17 }			
audOutLvl		☐	▣

SYNTAX	DisplayString {
	0,255
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog output attentuation in dB.		
::= { audioIo 18 }			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audAES-A-ActvChannels		▣	▣

SYNTAX	DisplayString {
	bar1
	bar2
	bar3
	bar4
	bar5
	bar6
	bar7
	bar8
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Defines a set of audio bars that are monitored for errors. Value is a string composed of one or more of the words “bar1,” “bar2,” and so on.		
::= { audiolo 19 }			
audAES-B-ActvChannels		□	▣

SYNTAX	DisplayString {
	bar1
	bar2
	bar3
	bar4
	bar5
	bar6
	bar7
	bar8
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Defines a set of audio bars that are monitored for errors. Value is a string composed of one or more of the words “bar1,” “bar2,” and so on.		
::= { audiolo 20 }			

Table 19: Audio input/output group (audioIo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audAna-A-ActvChannels		☐	▣

SYNTAX	DisplayString {
	bar1
	bar2
	bar3
	bar4
	bar5
	bar6
	bar7
	bar8
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Defines a set of audio bars that are monitored for errors. Value is a string composed of one or more of the words “bar1,” “bar2,” and so on.		
::= { audioIo 21 }			
audAna-B-ActvChannels		☐	▣

SYNTAX	DisplayString {
	bar1
	bar2
	bar3
	bar4
	bar5
	bar6
	bar7
	bar8
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Defines a set of audio bars that are monitored for errors. Value is a string composed of one or more of the words “bar1,” “bar2,” and so on.		
::= { audioIo 22 }			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audEmbed-A-ActvChannels		▣	▣

SYNTAX	DisplayString {
	bar1
	bar2
	bar3
	bar4
	bar5
	bar6
	bar7
	bar8
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Defines a set of audio bars that are monitored for errors. Value is a string composed of one or more of the words “bar1,” “bar2,” and so on.		
::= { audiolo 23 }			
audEmbed-B-ActvChannels		□	▣

SYNTAX	DisplayString {
	bar1
	bar2
	bar3
	bar4
	bar5
	bar6
	bar7
	bar8
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Defines a set of audio bars that are monitored for errors. Value is a string composed of one or more of the words “bar1,” “bar2,” and so on.		
::= { audiolo 24 }			

Table 19: Audio input/output group (audioIo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audEmbInputChannelGroup		▣	☐

SYNTAX	INTEGER {
	none(0)
	embGroup1-2(1),
	embGroup3-4(2),
	embGroup1-3(3),
	embGroup2-4(4),
	embGroup1-4(5),
	embGroup2-3(6),
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selected embedded audio input channel group. Possible groups are: embGroup1-2(1): Channels 1&2, 3&4, 5&6, 7&8 embGroup3-4(1): Channels 9&10, 11&12, 13&14, 15&16 embGroup1-3(1): Channels 1&2, 3&4, 9&10, 11&12 embGroup2-4(1): Channels 5&6, 7&8, 13&14, 15&16 embGroup1-4(1): Channels 1&2, 3&4, 13&14, 15&16 embGroup2-3(1): Channels 5&6, 7&8, 9&10, 11&12		
::= { audioIo 25 }			
audEmbChannelsPresent		☐	▣

SYNTAX	Display String {
	maximum of 19 characters
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	List of embedded audio channels where “P” indicates presence, “-“ indicates absence and “M” indicates present and muted. An example string “PPPP PPPP ---- ----“.		
::= { audioIo 26 }			

Table 19: Audio input/output group (audioIo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
aesOutputs			▣

SYNTAX	INTEGER {
	output(0),
	output(1),
	output(2),
	output(3)
	}		

MAX ACCESS	not-accessible		
STATUS			
DESCRIPTION	AES output number. This is used as index in audBarOutTableAES. Each output represents a pair of AES outputs.		
::= {audioIo 27}			
audAESBarOutTable			
SYNTAX			
MAX ACCESS	not-accessible		
STATUS			
DESCRIPTION	Table for audio bar to output port mappings. The table routes the audio input source for each selected level meter to an AES output.		
::= {audioIo 28}			
audAESBarOutEntry			▣
SYNTAX			
MAX ACCESS	not-accessible		
STATUS			
DESCRIPTION	A row in the audAESBarOutTable.		
::= {AudAESBarOutTable 1}			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audAES-A-BarOutputAES			▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4)
	}		

MAX ACCESS	read-write		
STATUS	AES output mapping from AES A level meters. Routes the audio input assigned to a meter to a pair of AES outputs. This output mapping is effective when the audInput configuration selects AES A and AES B selected as output port.		
DESCRIPTION			
::= {audAESBarOutEntry 1}			
audAna-A-BarOutputAES			▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	AES output mapping from Analog A level meters. Routes the audio input assigned to a meter to a pair of AES outputs. This output mapping is effective when the audInput configuration selects analog A inputs.		
::= {audAESBarOutEntry 2}			
audAna-B-BarOutputAES			▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	AES output mapping from Analog B level meters. Routes the audio input assigned to a meter to a pair of AES outputs. This output mapping is effective when the audInput configuration selects analog B inputs.		
::= {audAESBarOutEntry 3}			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audEmbed-A-BarOutputAES			▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	AES output mapping from Embedded A level meters. Routes the audio input assigned to a meter to a pair of AES outputs. This output mapping is effective when the audInput configuration selects embedded audio from SDI input A.		
::= {audAESBarOutEntry 4}			
audEmbed-B-BarOutputAES			▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	AES output mapping from Embedded B level meters. Routes the audio input assigned to a meter to a pair of AES outputs. This output mapping is effective when the audInput configuration selects embedded audio from SDI input B.		
::= {audAESBarOutEntry 5}			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audDolby-1-BarOutputAES		☐	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	pair5(5),
	undecoded(-10)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	AES output mapping from Dolby 1 level meters. Routes the audio input assigned to a meter to a pair of AES outputs. This output mapping is effective when the audInput configuration selects Dolby 1.		
::= {audAESBarOutEntry 6}			
audDolby-2-BarOutputAES		☐	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	pair5(5),
	undecoded(-10)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	AES output mapping from Dolby 2 level meters. Routes the audio input assigned to a meter to a pair of AES outputs. This output mapping is effective when the audInput configuration selects Dolby 2.		
::= {audAESBarOutEntry 7}			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audDolby-3-BarOutputAES		☐	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	pair5(5),
	undecoded(-10)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	AES output mapping from Dolby 3 level meters. Routes the audio input assigned to a meter to a pair of AES outputs. This output mapping is effective when the audInput configuration selects Dolby 3.		
::= {audAESBarOutEntry 8}			
audDolby-4-BarOutputAES		☐	▣

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	pair5(5),
	undecoded(-10)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	AES output mapping from Dolby 4 level meters. Routes the audio input assigned to a meter to a pair of AES outputs. This output mapping is effective when the audInput configuration selects Dolby 4.		
::= {audAESBarOutEntry 9}			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audAES-A-Reference		☐	▣

SYNTAX	INTEGER {
	off(0),
	aesA1-2(1),
	aesA3-4(2),
	aesA5-6(3),
	aesA7-8(4)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	AES Reference for AES-A input.		
::= {audiolo 29}			
audAES-B-Reference		☐	▣

SYNTAX	INTEGER {
	off(0),
	aesB1-2(1),
	aesB3-4(2),
	aesB5-6(3),
	aesB7-8(4)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	AES Reference for AES-B input.		
::= {audiolo 30}			
dolbyInputs		☐	▣

SYNTAX	INTEGER {
	dolby1(0),
	dolby2(1),
	dolby3(1),
	dolby4(1)
	}		

MAX ACCESS	not-accessible		
STATUS			
DESCRIPTION	Dolby inputs. This is used as index in Dolby inputs configuration.		
::= {audiolo 31}			

Table 19: Audio input/output group (audioIo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
dolbyInputTable		☐	▣
SYNTAX			
MAX ACCESS	not-accessible		
STATUS			
DESCRIPTION	Table for Dolby inputs		
::= {audioIo 32}			
dolbyInputCfgEntry		☐	▣
SYNTAX			
MAX ACCESS	not-accessible		
STATUS			
DESCRIPTION	A row in the dolbyInputTable.		
::= {DolbyInputTable 1}			

```
DolbyInputCfgEntry::= SEQUENCE {
        audDolbySource          INTEGER,
        dolbyExpectedFormat     INTEGER,
        dolbyEPgmMask           BITS,
        dolbyChanMask           BITS,
        dolbyDAesChannel        INTEGER,
        dolbyDAesStream         INTEGER,
        dolbyEDownmixPgm        INTEGER,
        aesRefEnable            INTEGER
    }
```

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audDolbySource		☐	▣

SYNTAX	INTEGER {
	aesA1-2(11),
	aesA3-4(12),
	aesA5-6(13),
	aesA7-8(14),
	
	aesB1-2(21),
	aesB3-4(22),
	aesB5-6(23),
	aesB7-8(24),
	
	emb1-2(101),
	emb3-4(102),
	emb5-6(103),
	emb7-8(104),
	emb9-10(105),
	emb11-12(106),
	emb13-14(107),
	emb15-16(108)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Dolby input Source selection.		
::= {dolbyInputCfgEntry 1}			
dolbyExpectedFormat		☐	▣

SYNTAX	INTEGER {
	notDolby(0),
	notDolbyD(1),
	notDolbyE(2)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Dolby Format alarm. Causes an alarm to be triggered if the dolby format is not as expected. Option DDE only.		
::= {dolbyInputCfgEntry 2}			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
dolbyEPgmMask		☐	▣

SYNTAX	BITS {
	prog1(0),
	prog2(1),
	prog3(2),
	prog4(3),
	prog5(4),
	prog6(5),
	prog7(6),
	prog8(7),
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Dolby Program Mask for allow alarm. Defines active programs within a Dolby E audio stream. Enabling a bit for a program enable alarms for all of the active channels within a program		
::= {dolbyInputCfgEntry 3}			
dolbyChanMask		☐	▣

SYNTAX	BITS {
	l(0),
	r(1),
	c(2),
	lfe(3),
	ls(4),
	rs(5),
	lb(6),
	rb(7),
	lo(8),
	ro(9),
	lt(10),
	rt(11),
	s(12),
	m(13)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Dolby chan Mask for allow alarm. Defines active channels with a Dolby D audio stream or a Dolby E program. Enabling a bit for a channel enables alarms for all instances of a channel type in all active programs.		
::= {dolbyInputCfgEntry 4}			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
dolbyDAesChannel		☐	▣

SYNTAX	INTEGER {
	chan1(0),
	chan2(1)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Dolby D(AC3) Input Configuration, AES Channel. Selects 16-bit Dolby digital bit stream from either the left or the right channel of an AES audio stream in which up to two different Dolby D bitstreams have been encoded in each channel. Option DDE only.		
::= {dolbyInputCfgEntry 5}			
dolbyDAesStream		☐	▣

SYNTAX	INTEGER {
	auto(0),
	stream1(1),
	stream2(2),
	stream3(3),
	stream4(4),
	stream5(5),
	stream6(6)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Dolby D(AC3) Input Configuration, Stream Select. Selects the data stream number of one of up to 8 Dolby D bitstreams that have been time multiplexed within an AES data stream using the burst packet format defined by SMPTE 337M. Option DDE only.		
::= {dolbyInputCfgEntry 6}			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
dolbyEDownmixPgm		☐	▣

SYNTAX	INTEGER {
	prog1(1),
	prog2(2),
	prog3(3),
	prog4(4),
	prog5(5),
	prog6(6),
	prog7(7),
	prog8(8)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Dolby E Downmix Program. This settings selects which Dolby E program is downmixed and output on the aux output of the CAT552(DADE option).		
::= {dolbyInputCfgEntry 7}			
aesRefEnable		☐	▣

SYNTAX	INTEGER {
	Off(0),
	On(1)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	AES Reference Enable, if Dolby Source is set to an AES input, sets the rasterizer to detect if the AES Input is unlocked from the AES reference. If this is set, the AES Frame Sync Alarm may be triggered. The default setting is off.		
::= {dolbyInputCfgEntry 8}			

Table 19: Audio input/output group (audioIo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
dolbyDListeningMode		☐	▣

SYNTAX	INTEGER {
	full(0),
	ex(1),
	stereo-3(2),
	phantom(3),
	stereo(4),
	mono(5),
	proLogicFull(6),
	proLogic3Stereo(7),
	proLogicPhantom(8)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Dolby D (AC3) Setup, Listening Mode. Selects Listening mode for the specified physical input. Option DDE only.		
::= {audioIo 33}			
dolbyDDialnormDrc		☐	▣

SYNTAX	INTEGER {
	off(0),
	dialnormOnly(1),
	lineModeDrc (2),
	rfModeDrc (3)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Dolby D (AC3) Dialnorm and dynamic range. Selects Dynamic Range Compression (DRC) mode for Dolby Digital audio. Dialnorm setting is enabled for all DRC modes. dialnormOnly adjust audio levels for dialog but disables compression. lineModeDrc and rfModeDrc enable audio level compression and dialnorm.		
::= {audioIo 34}			
dolbyDDownmixDynRng		☐	▣

SYNTAX	INTEGER {
	line(0),
	rf(1)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Dolby D (AC3) Downmix Dynamic Range. Used to select RF or Line dynamic range compression on downmix. Option DDE only.		
::= {audioIo 35}			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
dolbyEDialnorm		☐	▣

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Dolby E Setup, Dialnorm. If Enabled this setting applies dialog normalization to the audio bars,analog and digital outputs.		
::= {audiolo 36}			
dolbyEPulldownDecoding		☐	▣

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX ACCESS	read-write		
STATUS			
DESCRIPTION	Dolby E Setup Pulldown Decoding. Enables Pulldown decoding method for Dolby E signal.Used when tape recorders operate at lower than 30fps.		
::= {audiolo 37}			
dolbyDownmixMode		☐	▣

SYNTAX	INTEGER {
	none(0),
	lt-Rt(1),
	lo-Ro(2),
	mono(3)
	}		

MAX ACCESS			
STATUS			
DESCRIPTION	Dolby Downmix Mode. Selects a downmix program configuration for the currently selected Dolby D or Dolby E audio program. The option none(0) disables the Dolby Downmix and removes the audio level meters from the audio display.		
::= {audiolo 38}			

Table 19: Audio input/output group (audiolo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audEmbedPhaseAlignA		☐	▣

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	SDI Channel A Embedded group phase align, ensures that Audio Channels in different groups are co-sited (aligned).		
::= {audioIo 39}			
audEmbedPhaseAlignB		☐	▣

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	SDI Channel B Embedded group phase align, ensures that Audio Channels in different groups are co-sited (aligned).		
::= {audioIo 40}			

Table 20: Traps group (traps wfm_mon 19)

Object identifier	Object/Notification type	WFM	WVR
trapDestNum		■	■
SYNTAX	INTEGER		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Trap destination number for use as an index in the trap destination table.		
::= { traps 1 }			

Table 20: Traps group (traps wfm_mon 19) (Cont.)

Object identifier	Object/Notification type	WFM	WVR
trapReport		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Disable/Enable trap reporting.		
::= { traps 2 }			
trapDestnTable		■	■
SYNTAX	SEQUENCE OF TrapDestnEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for trapDestn Addresses.		
::= { traps 3 }			
trapDestnEntry		■	■
SYNTAX	TrapDestnEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the trapDestn address table.		
INDEX	{ trapDestnNum }		
::= { trapDestnTable 1 }			
TrapDestnEntry ::= SEQUENCE {			
trapDestn DisplayString			
}			
trapDestn		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Destination IP Address for traps.		
::= { trapDestnEntry 1 }			
trapInfo		■	■
SYNTAX	DisplayString		
MAX-ACCESS	accessible-for-notify		
STATUS	current		
DESCRIPTION	Additional information sent along with the trap (not accessible for GET/GETNEXT/SET requests.)		
::= { traps 4 }			

Table 20: Traps group (traps wfm_mon 19) (Cont.)

Object identifier	Object/Notification type	WFM	WVR
alarmType		■	■

SYNTAX	INTEGER {
	alarm(0),
	alarmStart(1),
	alarmEnd(2)
	}		

MAX-ACCESS	accessible-for-notify		
STATUS	current		
DESCRIPTION	Alarm type. An alarm is a discrete event. Start and end events announce the start and end of a continuous alarm condition. Discrete alarms can also be escalated to continuous alarms if the events occur too frequently. The instrument can also send additional alarm start traps to provide updated information about the alarm state such as changes in faults detected or affected channels.		
::= { traps 5 }			

Table 21: Trap Prefix group (subset of Traps group)

Object identifier	Object/Notification type	WFM	WVR
sidSigLossTrap		■	■
STATUS	current		
DESCRIPTION	Change in the presence of SDI input signal (video signal missing).		
::= { trapPrefix 1 }			
sdiEdhTrap		■	■
STATUS	current		
DESCRIPTION	EDH errors (RP165 EDH Status).		
::= { trapPrefix 2 }			
sdiFFCrcTrap		■	□
STATUS	current		
DESCRIPTION	EDH errors infull field (RP165 FF CRC).		
::= { trapPrefix 3 }			
sdiAPCrcTrap		■	□
STATUS	current		
DESCRIPTION	EDH errors in active picture (RP165 AP CRC).		
::= { trapPrefix 4 }			

Table 21: Trap Prefix group (subset of Traps group) (Cont.)

Object identifier	Object/Notification type	WFM	WVR
sdiAesChksumTrap		▣	▣
STATUS	current		
DESCRIPTION	AES audio checksum errors (Professional CRC).		
::= { trapPrefix 5 }			
sdiAesFullTrap		□	▣
STATUS	current		
DESCRIPTION	AES audio extraction buffer FULL errors.		
::= { trapPrefix 6 }			
sdiAesEmptyTrap		□	▣
STATUS	current		
DESCRIPTION	AES audio extraction buffer EMPTY errors.		
::= { trapPrefix 7 }			
sdiAudioMissTrap		▣	▣
STATUS	current		
DESCRIPTION	Embedded audio channel missing errors.		
::= { trapPrefix 8 }			
sdiAudioPrtyTrap		▣	▣
STATUS	current		
DESCRIPTION	Embedded audio channel parity errors.		
::= { trapPrefix 9 }			
cpstSigLossTrap		□	▣
STATUS	current		
DESCRIPTION	Composite input signal missing.		
::= { trapPrefix 10 }			
refMissTrap		■	■
STATUS	current		
DESCRIPTION	Reference Input missing (External Ref Signal Missing).		
::= { trapPrefix 11 }			
audSigLockTrap		▣	▣
STATUS	current		
DESCRIPTION	Change in the presence of a signal on one or more audio input pairs (AES audio unlocked).		
::= { trapPrefix 12 }			
audCrcTrap		□	▣
STATUS	current		
DESCRIPTION	CRC errors on one or more AES audio inputs.		
::= { trapPrefix 13 }			

Table 21: Trap Prefix group (subset of Traps group) (Cont.)

Object identifier	Object/Notification type	WFM	WVR
audValidTrap		▣	▣
STATUS	current		
DESCRIPTION	Incorrectly set VALID bit on one or more AES audio inputs.		
::= { trapPrefix 14 }			
audParityTrap		▣	▣
STATUS	current		
DESCRIPTION	Parity errors on one or more AES audio inputs.		
::= { trapPrefix 15 }			
audSlipTrap		▣	□
STATUS	current		
DESCRIPTION	Slipped samples on one or more AES audio inputs (Emb. Grp Sample Phase).		
::= { trapPrefix 16 }			
audClipTrap		▣	▣
STATUS	current		
DESCRIPTION	Signal clipping on one or more of the audio input channels.		
::= { trapPrefix 17 }			
audOverTrap		▣	▣
STATUS	current		
DESCRIPTION	Signals are over the volume threshold for one or more of the audio input channels.		
::= { trapPrefix 18 }			
audMuteTrap		▣	▣
STATUS	current		
DESCRIPTION	Digital mutes on one or more of the audio input channels.		
::= { trapPrefix 19 }			
audSilenceTrap		▣	▣
STATUS	current		
DESCRIPTION	Extended period of silence on one or more of the audio input channels.		
::= { trapPrefix 20 }			
ltcMissingTrap		□	■
STATUS	current		
DESCRIPTION	LTC code missing.		
::= { trapPrefix 21 }			

Table 21: Trap Prefix group (subset of Traps group) (Cont.)

Object identifier	Object/Notification type	WFM	WVR
vitcMissingTrap		☐	■
STATUS	current		
DESCRIPTION	VITC code missing.		
::= { trapPrefix 22 }			
compUnlockedTrap		☐	▣
STATUS	current		
DESCRIPTION	Composite input unlocked.		
::= { trapPrefix 23 }			
refUnlockedTrap		☐	■
STATUS	current		
DESCRIPTION	External reference unlocked.		
::= { trapPrefix 24 }			
hwFaultTrap		☐	■
STATUS	current		
DESCRIPTION	Hardware faults (such as fan failures or excessive temperatures).		
::= { trapPrefix 25 }			
sdiUnlockedTrap		☐	■
STATUS	current		
DESCRIPTION	SDI input unlocked.		
::= { trapPrefix 26 }			
ltcInvalidTrap		☐	■
STATUS	current		
DESCRIPTION	LTC code invalid.		
::= { trapPrefix 27 }			
vitcInvalidTrap		☐	■
STATUS	current		
DESCRIPTION	VITC code invalid.		
::= { trapPrefix 28 }			
gamutRgbTrap		■	■
STATUS	current		
DESCRIPTION	RGB gamut error.		
::= { trapPrefix 29 }			
gamutCompositeTrap		■	■
STATUS	current		
DESCRIPTION	Composite gamut error.		
::= { trapPrefix 30 }			

Table 21: Trap Prefix group (subset of Traps group) (Cont.)

Object identifier	Object/Notification type	WFM	WVR
gamutLumaTrap		■	■
STATUS	current		
DESCRIPTION	Luma gamut error (luminance gamut).		
::= { trapPrefix 31 }			
refVideoTrap		■	■
STATUS	current		
DESCRIPTION	Reference video error (Video Ref Format mismatch).		
::= { trapPrefix 32 }			
cableLengthTrap		□	□
STATUS	current		
DESCRIPTION	Cable length error.		
::= { trapPrefix 33 }			
launchAmpTrap		□	□
STATUS	current		
DESCRIPTION	Launch amp error.		
::= { trapPrefix 34 }			
ccPresenceTrap		■	□
STATUS	current		
DESCRIPTION	Closed captioning presence error.		
::= { trapPrefix 35 }			
ccActivTransMissingTrap		■	□
STATUS	current		
DESCRIPTION	Closed caption presence error.		
::= { trapPrefix 35 }			
ancPresenceTrap		□	□
STATUS	current		
DESCRIPTION	Ancillary data presence error.		
::= { trapPrefix 36 }			
ancPlacementTrap		□	□
STATUS	current		
DESCRIPTION	Ancillary data placement error.		
::= { trapPrefix 37 }			
ancParityTrap		■	□
STATUS	current		
DESCRIPTION	Ancillary data parity error.		
::= { trapPrefix 38 }			

Table 21: Trap Prefix group (subset of Traps group) (Cont.)

Object identifier	Object/Notification type	WFM	WVR
ancChecksumTrap		■	□
STATUS	current		
DESCRIPTION	Ancillary data checksum error.		
::= { trapPrefix 39 }			
sdiCodeTrap		■	□
STATUS	current		
DESCRIPTION	SDI code error (SDI code word violation).		
::= { trapPrefix 40 }			
sdiDataTrap		□	□
STATUS	current		
DESCRIPTION	SDI data error.		
::= { trapPrefix 41 }			
sdiFieldTrap		■	■
STATUS	current		
DESCRIPTION	SDI field error (SDI field length error).		
::= { trapPrefix 42 }			
sdiLineTrap		■	■
STATUS	current		
DESCRIPTION	SDI line length error. SDI line does not contain correct number of samples for input format.		
::= { trapPrefix 43 }			
sdiHdLineTrap		■	■
STATUS	current		
DESCRIPTION	SDI line number error. The 292M line number does not match the actual line number within the field.		
::= { trapPrefix 44 }			
sdiNoEavTrap		□	■
STATUS	current		
DESCRIPTION	SDI no end-of-active-video error (SDI EAV placement).		
::= { trapPrefix 45 }			
sdiNoSavTrap		■	■
STATUS	current		
DESCRIPTION	SDI no start-of-active-video error (SDI SAV placement).		
::= { trapPrefix 46 }			

Table 21: Trap Prefix group (subset of Traps group) (Cont.)

Object identifier	Object/Notification type	WFM	WVR
sdiBadCrcTrap		☐	■
STATUS	current		
DESCRIPTION	SDI Bad CRC error (SMPTE292 CRC).		
::= { trapPrefix 47 }			
sdiBadCrcYTrap		■	☐
STATUS	current		
DESCRIPTION	SDI Bad CRC Y error (SMPTE292 Y CRC).		
::= { trapPrefix 48 }			
sdiBadCrcCTrap		■	■
STATUS	current		
DESCRIPTION	SDI Bad CRC C error (SMPTE292 C CRC).		
::= { trapPrefix 49 }			
embAudioChecksumTrap		☐	☐
STATUS	current		
DESCRIPTION	Embedded audio checksum error.		
::= { trapPrefix 50 }			
aesAudioCodeTrap		☐	☐
STATUS	current		
DESCRIPTION	AES audio code error.		
::= { trapPrefix 51 }			
aesAudioAbsentTrap		☐	☐
STATUS	current		
DESCRIPTION	AES audio absent error.		
::= { trapPrefix 52 }			
aesAudioFormatTrap		☐	☐
STATUS	current		
DESCRIPTION	AES audio format error.		
::= { trapPrefix 53 }			
aesAudioLowConfTrap		☐	☐
STATUS	current		
DESCRIPTION	AES audio low confidence error.		
::= { trapPrefix 54 }			
inputSigNotHDTrap		■	■
STATUS	current		
DESCRIPTION	Input signal not high-definition.		
::= { trapPrefix 55 }			

Table 21: Trap Prefix group (subset of Traps group) (Cont.)

Object identifier	Object/Notification type	WFM	WVR
fmtChangeTrap		■	■
STATUS	current		
DESCRIPTION	Format change error (Video Format Change).		
::= { trapPrefix 56 }			
videoFmtMismatchTrap		■	■
STATUS	current		
DESCRIPTION	Input video input mismatch.		
::= { trapPrefix 57 }			
refFormatMismatch		■	■
STATUS	current		
DESCRIPTION	External reference format mismatch.		
::= { trapPrefix 58 }			
ancTCInvalidTrap		□	■
STATUS	current		
DESCRIPTION	Ancillary timecode invalid alarm.		
::= { trapPrefix 59 }			
ancTCMissingTrap		□	■
STATUS	current		
DESCRIPTION	Ancillary timecode missing alarm.		
::= { trapPrefix 60 }			
eyeAmpTrap		■	□
STATUS	current		
DESCRIPTION	Eye amplitude amplitude out of limits.		
::= { trapPrefix 61 }			
eyeRiseTrap		■	□
STATUS	current		
DESCRIPTION	Eye rise time out of limits.		
::= { trapPrefix 62 }			
eyeFallTrap		■	□
STATUS	current		
DESCRIPTION	Eye fall time out of limits.		
::= { trapPrefix 63 }			
eyeRiseFallDeltaTrap		■	□
STATUS	current		
DESCRIPTION	Eye rise/fall delta error.		
::= { trapPrefix 64 }			

Table 21: Trap Prefix group (subset of Traps group) (Cont.)

Object identifier	Object/Notification type	WFM	WVR
eyeRiseOverTrap		■	□
STATUS	current		
DESCRIPTION	Eye rising edge overshoot out of limit.		
::= { trapPrefix 65 }			
eyeFallOverTrap		■	□
STATUS	current		
DESCRIPTION	Eye falling edge overshoot out of limit.		
::= { trapPrefix 66 }			
jitLevelTrap		■	□
STATUS	current		
DESCRIPTION	Jitter amplitude out of limit.		
::= { trapPrefix 67 }			
ccChangedTrap		■	□
STATUS	current		
DESCRIPTION	Closed caption status change notification.		
::= { trapPrefix 68 }			
ccParityCksmTrap		■	□
STATUS	current		
DESCRIPTION	Closed caption parity/checksum error.		
::= { trapPrefix 69 }			
ccProtocolTrap		■	□
STATUS	current		
DESCRIPTION	Closed caption protocol error.		
::= { trapPrefix 70 }			
vChipMissingTrap		■	■
STATUS	current		
DESCRIPTION	V-chip signal presence error. No content advisory packet detected in the video for at least 4 seconds (3 seconds is the recommended repeat rate for V-chip data).		
::= { trapPrefix 71 }			
vchipChangedTrap		■	□
STATUS	current		
DESCRIPTION	V-chip rating change notification.		
::= { trapPrefix 72 }			
ccSvcPresTrap		□	□
STATUS	current		
DESCRIPTION	Closed caption service presence (line 21).		
::= { trapPrefix 73 }			

Table 21: Trap Prefix group (subset of Traps group) (Cont.)

Object identifier	Object/Notification type	WFM	WVR
ccSvcMissingTrap		■	■
STATUS	current		
DESCRIPTION	Closed caption Service presence error. The service specified in the EIA-608 Required Services setting is missing from the current caption stream.		
::= { trapPrefix 73 }			
ancB39PresTrap		■	□
STATUS	current		
DESCRIPTION	anc B39 packets presence.		
::= { trapPrefix 74 }			
sdiBadCksmYAncTrap		□	■
STATUS	current		
DESCRIPTION	SDI bad checksum Y Anc error.		
::= { trapPrefix 75 }			
sdiBadCksmCAncTrap		□	■
STATUS	current		
DESCRIPTION	SDI bad checksum C Anc error.		
::= { trapPrefix 76 }			
ccLine21TransMissingTrap		□	■
STATUS	current		
DESCRIPTION	Closed caption Service presence error. Asserted when Line21 captions are not present on the current video input.		
::= { trapPrefix 77 }			
ccAncTransMissingTrap		□	■
STATUS	current		
DESCRIPTION	Closed caption Service presence error. The service specified in the EIA-608 Required Services setting is missing from the current caption stream.		
::= { trapPrefix 78 }			
ccErrorTrap		□	■
STATUS	current		
DESCRIPTION	Closed caption Service presence error. A parity, checksum, or protocol error occurred in the EIA608 Caption Data.		
::= { trapPrefix 79 }			
vChipFormatTrap		□	■
STATUS	current		
DESCRIPTION	Closed caption Service presence error. A content advisory packet contained illegal data or was formatted incorrectly.		
::= { trapPrefix 80 }			

Table 21: Trap Prefix group (subset of Traps group) (Cont.)

Object identifier	Object/Notification type	WFM	WVR
xdsErrorTrap		☐	■
STATUS	current		
DESCRIPTION	Closed caption Service presence error. A checksum or protocol error occurred in an XDS packet.		
::= { trapPrefix 81 }			
cdpErrorTrap		☐	■
STATUS	current		
DESCRIPTION	Closed caption Service presence error. An error occurred in the EIA708 Caption Data Payload. The CDP is the outermost layer of EIA708.		
::= { trapPrefix 82 }			
tsidMissingTrap		☐	■
STATUS	current		
DESCRIPTION	Closed caption Service presence error. No TSID packet has been detected in the video for at least X?? seconds.		
::= { trapPrefix 83 }			
tsidErrorTrap		☐	■
STATUS	current		
DESCRIPTION	Closed caption Service presence error. TSID packet is present, but does not match the set of allowable values.		
::= { trapPrefix 84 }			
audioFrameSyncTrap		☐	■
STATUS	current		
DESCRIPTION	AES Reference and the active audio input(s)is(are)not synchronous.		
::= { trapPrefix 85 }			
audio-VideoSyncTrap		☐	■
STATUS	current		
DESCRIPTION	Audio to Video Sync Error.		
::= { trapPrefix 86 }			
dolbyFormatMismatchTrap		☐	■
STATUS	current		
DESCRIPTION	Dolby format is set to auto and the detected format is not Dolby or the dolby format detected is not the set dolby format.		
::= { trapPrefix 87 }			

Table 21: Trap Prefix group (subset of Traps group) (Cont.)

Object identifier	Object/Notification type	WFM	WVR
dolbyVideoSyncTrap		☐	■
STATUS	current		
DESCRIPTION	Dolby Stream frame rate is not the same as the video frame rate.		
::= { trapPrefix 88 }			
audEmbedGroupSamplePhaseTrap		☐	■
STATUS	current		
DESCRIPTION	SDI Slave has to adjust the de-embedder FIFO.		
::= { trapPrefix 89 }			

Table 22: Alarm configuration group (alarm wfm_mon 20)

Object identifier	Object type	WFM	WVR
alarmMute		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Suspend sending alarms to Beep, SNMP, Ground closure, and Pop-up.		
::= { alarm 1 }			
alarmEnable		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Disable/Enable all alarms without changing individual settings.		
::= { alarm 2 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
sdiSigLoss		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for SDI input signal loss. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 3 }			
sdiBadEdh		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for SDI SD EDH error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 4 }			
gamutRgb		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for RGB gamut errors. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 5 }			
gamutComposite		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for composite threshold violations. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 6 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
compSigLoss		☐	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for Composite input signal loss. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 7 }			
refMissing		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification config for missing external reference signal. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 8 }			
ltcMissing		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for missing LTC timecode. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 9 }			
vitcMissing		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for missing VITC timecode. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 9 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
audioClip		▣	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for digital audio signal clipping. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 11 }			
audioMute		▣	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for digital audio mute detection. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 12 }			
audioOver		▣	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for audio over volume threshold. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 13 }			
audioSilence		▣	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for audio silence. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 14 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
audSigLock		▣	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for loss of AES audio lock. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 15 }			
audioCrc		▣	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for AES audio CRC errors. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 16 }			
audValidBit		▣	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for Incorrect VALID bit in AES. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 17 }			
audParity		▣	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for parity error in AES stream. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 18 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
eAudStreamMissing		▣	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for embedded audio missing. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 19 }			
eAudStreamChksum		☐	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for embedded audio checksum error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 20 }			
eAudStreamParity		☐	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for embedded audio parity error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 21 }			
compUnlocked		☐	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for unlocked composite input. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 22 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
refUnlocked		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for unlocked external reference. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 23 }			
hwFault		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for hardware fault. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 24 }			
sdiUnlocked		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for unlocked SDI input. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 25 }			
ltcInvalid		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for invalid LTC timecode. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 26 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
vitcInvalid		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for invalid VITC timecode. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 27 }			
eAudBufferFull		☐	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for embedded audio buffer overflow. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 28 }			
eAudBufferEmpty		☐	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for embedded audio buffer underflow. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 29 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
alarmStatus		☐	■
SYNTAX	INTEGER {0 to 2FFFFFF}		
MAX-ACCESS	read-write		
STATUS	deprecated		
DESCRIPTION	Bit vector of alarm status for a limited number of alarm status conditions. A bit is set if the alarm is currently active. 0x00000001 sdi_alarm_edh 0x00000002 gamut_rgb_alarm 0x00000004 gamut_composite_alarm 0x00000008 input_signal_loss 0x00000010 input_unlock_alarm 0x00000020 comp_alarm_ref_loss 0x00000040 comp_alarm_ref_no_lock 0x00000080 sdi_alarm_aes_full 0x00000100 sdi_alarm_aes_empty 0x00000200 timecode_alarm_ltc_missing 0x00000400 timecode_alarm_vitc_missing 0x00000800 timecode_alarm_ltc_invalid 0x00001000 timecode_alarm_vitc_invalid 0x00002000 audio_alarm_clip 0x00004000 audio_alarm_mute 0x00008000 audio_alarm_over 0x00010000 audio_alarm_silence 0x00020000 audio_alarm_signal_loss 0x00040000 audio_alarm_crc 0x00080000 audio_alarm_valid 0x00100000 audio_alarm_parity 0x00200000 sdi_alarm_audio_missing 0x00400000 sdi_alarm_aes_chksum 0x00800000 sdi_alarm_audio_parity 0x01000000 hwserver_alarm_hw_fault 0x02000000 gamut_luma_alarm		
::= { alarm 30 }			
gamutLuma		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for luma gamut error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 31 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
refVideo		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for reference video alarm. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 32 }			
cableLength		□	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for cable length alarm. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 33 }			
launchAmp		□	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for Launch amplitude alarm. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 34 }			
ccTransMissing		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for closed caption missing. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 35 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
ancPresence		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for ancillary data missing. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 36 }			
ancPlacement		□	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for ancillary data placement error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 37 }			
ancParity		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for ancillary data parity error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 38 }			
ancChecksum		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for ancillary data checksum error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 39 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
sdiCode		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for SDI code violation error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 40 }			
sdiData		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for SDI data error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 41 }			
sdiField		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for SDI field length error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 42 }			
sdiLine		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for SDI line length error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 43 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
sdiHdLine		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for 292M line number mismatch. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 44 }			
sdiNoEav		□	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for EAV placement error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 45 }			
sdiNoSav		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for SAV placement error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 46 }			
sdiBadCrc		□	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for SDI SD CRC error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 47 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
sdiBadCrcY		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for CRC error on SDI HD Y channel. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 48 }			
sdiBadCrcC		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for CRC error on SDI HD C channel. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 49 }			
embAudioChecksum		□	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	deprecated		
DESCRIPTION	Alarm notification configuration for embedded audio checksum error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 50 }			
aesAudioCode		□	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for AES audio code error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 51 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
aesAudioAbsent		☐	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for AES audio absence. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 52 }			
aesAudioFormat		☐	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for AES audio format error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 53 }			
aesAudioLowConf		☐	☐
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for AES audio low confidence error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 54 }			
sdiBadCrcFF		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for RP165 full-field CRC error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 55 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
sdiBadCrcAP		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for RP165 active picture CRC error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 56 }			
embAudioAsync		▣	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for embedded audio group sample phase. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 57 }			
inputSigNotHD		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for input signal not HD warning. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 58 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
alarmStatusStr			
SYNTAX	BITS		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Returns alarm status. Each bit in an octet notes the status of one alarm. If the bit is one, the corresponding alarm condition is active.		
	ancB39Presence(1),	■	□
	vchipChanged(2),	■	□
	vchipMissing(3),	■	■
	ccProtocol(4),	■	□
	ccParityChecksum(5),	■	□
	ccSvcMissing(6),	■	■
	ccChanged(7),	■	■
	embAudioBufferEmpty(8),	□	■
	embAudioBufferFull(9),	□	■
	ancTcMissing(10),	□	■
	ancTcInvalid(11),	□	■
	launchAmplitudeAlarm(12),	□	■
	cableLengthAlarm(13),	□	■
	audioPhaseError(14),	□	■
	ccActivTransMissing(15),	■	■
	excessiveJitter(16),	■	□
	eyeExcessNoise(17),	□	□
	eyeFallOvershoot(18),	■	□
	eyeRiseOvershoot(19),	■	□
	eyeRiseFallDelta(20),	■	□
	eyeFallTime(21),	■	□
	eyeRiseTime(22),	■	□
	eyeAmplitude(23),	■	□
	aesCrcError(24),	■	■
	aesValidBit(25),	■	■
	audioLowConfidence(26),	□	■
	aesFormat(27),	□	■
	aesCodeError(28),	□	■
	aesParity(29),	■	■
	aesUnlocked(30),	■	■
	aesMissing(31),	□	□
	embAudioSlip(32),	■	□
	embAudioParity(33),	□	■
	embAudioCrc(34),	□	■
	embAudioStreamMissing(35),	■	□
	audioClip(36),	■	■
	audioMute(37),	■	■
	audioOver(38),	■	■
	audioSilence(39),	■	■

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
	ancDataChecksum(40),	■	□
	ancDataParity(41),	■	□
	ancDataPlacement(42),	□	■
	ancDataPresence(43),	■	□
	sdiHdCAncCrc(44),	□	■
	gamutLuma(45),	■	■
	gamutRgb(46),	■	■
	gamutComposite(47),	■	■
	sdiHdYAncCrc(48),	□	■
	sdiHdLineNumber(49),	□	□
	sdiAudioParity(50),	□	■
	sdiAudioMissing(51),	□	■
	sdiHdCCrc(52),	■	□
	sdiHdYCrc(53),	■	□
	sdiSdFfCrc(54),	■	□
	sdiSdApCrc(55),	■	□
	embAudioStreamChksum(56),	□	■
	sdiNoSAV(57),	■	□
	sdiNoEAV(58),	□	■
	sdiFieldLength(59),	■	□
	sdiLineLength(60),	■	□
	sdiDataError(61),	□	■
	sdiCodeWordViolation(62),	■	□
	sdiBadEdh(63),	■	■
	extRefFormatMismatch(64),	■	■
	systemFault(65),	□	■
	hwFault(66),	□	■
	overTemperature(67),	□	■
	vitcInvalid(68),	□	■
	vitcMissing(69),	□	■
	ltcInvalid(70),	□	■
	ltcMissing(71)	□	■

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
	videoRefFormatMismatch(72), videoFormatMismatch(73), videoNotHd(74), videoFormatChange(75), refUnlocked(76), refMissing(77), inputUnlocked(78), videoSignalMissing(79), ccEIA608Line21Missing(80), ccEIA608AncMissing(81), ccEIA608CaptionError(82), vChipFormatError(83), xdsError(84), cdpError(85), tsidMissing(86), tsidFormatError(87), audioFrameSync(88), audio-VideoSync(89), dolbyFormatMismatch(90), dolbyVideoSync(91), audEmbedGroupSamplePhase(92) }	■ ■ ■ ■ □ ■ □ ■ □ □ □ □ □ □ □ □ □ □ □ □ □	■ ■
::= { alarm 59 }			
videoFmtChange		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for video format change warning. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 60 }			
videoFmtMismatch		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for video format mismatch error. The detected input format does not match the selected format. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 61 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
videoRefFmtMismatch		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for video/reference format mismatch. The input video format does not match the external reference format. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 62 }			
extRefFmtMismatch		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for ext reference format mismatch. The detected reference format does not match the selected format. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 63 }			
eyeAmp		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification config for eye amplitude threshold violation. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 64 }			
eyeRise		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification config for eye rise time threshold violation. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 65 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
eyeFall		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification config for eye fall time threshold violation. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 66 }			
eyeRiseFallDelta		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for eye rise/fall delta threshold violation. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 67 }			
eyeRiseOverShoot		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification config for eye overshoot threshold violation. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 68 }			
eyeFallOverShoot		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification config for eye undershoot threshold violation. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 69 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
jitLevel		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification config for jitter measurement threshold violation. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 70 }			
ccChanged		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for closed caption status change. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 71 }			
ccParityCksum		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for closed caption parity/checksum error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 72 }			
ccProtocol		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for closed caption protocol error. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 73 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
vchipPresence		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for V-Chip data missing. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 74 }			
vchipRating		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for V-chip ratings change. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 75 }			
ccSvcMissing		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for closed caption service missing. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 76 }			
ancB39Pres		■	□
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for ARIB B.39 packet missing. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or “off”.		
::= { alarm 77 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
sdiBadCksmYAnc		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for checksum error in Y channel ANC data. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or "off".		
::= { alarm 78 }			
sdiBadCksmCAnc		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for checksum error in C channel ANC data. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or "off".		
::= { alarm 79 }			
ancTCInvalid		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for invalid ancillary timecode. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or "off".		
::= { alarm 80 }			
ancTCMissing		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Alarm notification configuration for ancillary Timecode missing. To enable, select one or more of these error reporting methods: beep, gc, log, snmp, ui. To disable all forms of alarm reporting, set the OID to an empty string or "off".		
::= { alarm 81 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
ccEIA608Line21Missing	String R/w icon log beep snmp gc off alarm 82	☐	■
ccEIA608AncMissing	String R/w icon log beep snmp gc off alarm 83	☐	■
ccEIA608CaptionError	String R/w icon log beep snmp gc off alarm 84	☐	■
vChipFormatError	String R/w icon log beep snmp gc off alarm 85	☐	■
xdsError	String R/w icon log beep snmp gc off alarm 86 Parity, Checksum, Protocol, and other errors in the Extended Data Services	☐	■
cdpError	String R/w icon log beep snmp gc off alarm 87 Parity, Checksum, Protocol, and other errors in the Caption Data Payload	☐	■
tsidMissing	String R/w icon log beep snmp gc off alarm 88	☐	■
tsidFormatError	String R/w icon log beep snmp gc off alarm 89	☐	■
audioFrameSync		☐	■
SYNTAX	DisplayString		
MAX ACCESS	Read-write		
DESCRIPTION	AES Frame Sync Error Alarm.		
::= { Alarm 90 }			

Table 22: Alarm configuration group (alarm wfm_mon 20) (Cont.)

Object identifier	Object type	WFM	WVR
audio-VideoSync		☐	■
SYNTAX	DisplayString		
MAX ACCESS	Read-write		
DESCRIPTION			
::= { Alarm 91 }			
dolbyFormatMismatch		☐	■
SYNTAX	DisplayString		
MAX ACCESS	Read-write		
DESCRIPTION	If the Dolby Format is set to auto, the alarm is triggered if the audio format is not Dolby, that is, PCM If the Dolby Format is set to a Dolby Format, this alarm is triggered when the Dolby audio Format is not as expected.		
::= { Alarm 92 }			
dolbyVideoSync		☐	■
SYNTAX	DisplayString		
MAX ACCESS	Read-write		
DESCRIPTION	The Dolby Stream frame rate is not the same as the Video Frame rate.		
::= { Alarm 93 }			
audEmbedGroupSamplePhase		☐	■
SYNTAX	DisplayString		
MAX ACCESS	Read-write		
DESCRIPTION	This alarm is triggered when the SDI Slave has to adjust the de-embedder FIFO.		
::= { Alarm 94 }			

Table 23: LTC group (ltc wfm_mon 21)

Object identifier	Object type	WFM	WVR
ltcTable		☐	■
SYNTAX	SEQUENCE OF LtcEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for LTC display mode.		
::= { ltc 1 }			
ltcEntry		☐	■
SYNTAX	LtcEntry.		
MAX-ACCESS	not-accesible		
STATUS	current		
DESCRIPTION	A row in the LTC table.		
::= { ltcTable 1 }			
LtcEntry ::= SEQUENCE {			
ltcHorPos	DisplayString,		
ltcVertPos	DisplayString,		
ltcGain	INTEGER,		
ltcVarGainEnable	INTEGER,		
ltcVarGain	DisplayString,		
ltcHMag	INTEGER,		
ltcCenter	INTEGER		
}			
ltcHorPos		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	LTC waveform horizontal position.		
::= { ltcEntry 1 }			
ltcVertPos		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	LTC waveform vertical position.		
::= { ltcEntry 2 }			

Table 23: LTC group (ltc wfm_mon 21) (Cont.)

Object identifier	Object type	WFM	WVR
ltcGain		☐	■

SYNTAX	INTEGER {
	gain-x1(0)
	gain-x5(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	LTC waveform fixed gain (1X or 5X).		
::= { ltcEntry 3 }			
ltcVarGainEnable		☐	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable LTC variable gain.		
::= { ltcEntry 4 }			
ltcVarGain		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	LTC variable gain value (effective). Range of values depends on current value of ltcGain.		
::= { ltcEntry 5 }			
ltcHMag		☐	☐

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable LTC waveform horizontal magnification.		
::= { ltcEntry 6 }			

Table 23: LTC group (ltc wfm_mon 21) (Cont.)

Object identifier	Object type	WFM	WVR
ltcCenter		☐	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Center LTC waveform (write-only).		
::= { ltcEntry 7 }			

Table 24: Timing group (timing wfm_mon 22)

Object identifier	Object type	WFM	WVR
timingH		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Horizontal portion of the timing offset in microseconds.		
::= { timing 1 }			
timingV		☐	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Vertical portion of the timing offset in lines.		
::= { timing 2 }			
relativeTo		☐	■

SYNTAX	INTEGER {
	rearPanel(0),
	userOffset(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects reference value for timing measurements. rearPanel is relative to external reference. userOffset is relative to user offset that was saved using saveOffset.		
::= { timing 3 }			

Table 24: Timing group (timing wfm_mon 22) (Cont.)

Object identifier	Object type	WFM	WVR
saveOffset		☐	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	write only.		
STATUS	current		
DESCRIPTION	Saves current offset between input and reference as zero reference value for use as user offset.		
::= { timing 4 }			

Table 25: Analog Audio group (audioAnaDisp wfm_mon 23)

Object identifier	Object type	WFM	WVR
audAnaCurOutput		☐	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Currently selected analog outputs.		
::= { audioAnaDisp 1 }			
audAnaBallistic		☐	▣

SYNTAX	INTEGER {
	truePeak(0),
	ppm1(1),
	ppm2(2),
	vu(3)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Level meter ballistic selection for analog audio.		
::= { audioAnaDisp 2 }			
audAnaPkHold		☐	▣

SYNTAX	INTEGER {
	1..10
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Hold time for analog audio peak level indicator (in seconds).		
::= { audioAnaDisp 3 }			

Table 25: Analog Audio group (audioAnaDisp wfm_mon 23) (Cont.)

Object identifier	Object type	WFM	WVR
audAnaErrorHoldTm		☐	▣
SYNTAX	INTEGER		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	The length of time that the analog audio in-bar error messages and over indicator remain on the screen (held) after the error has been removed (in seconds).		
::= { audioAnaDisp 4 }			
audAnaOverLvl		☐	▣

SYNTAX	INTEGER {
	-20..0
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog audio threshold level for over-volume detection (in dBu).		
::= { audioAnaDisp 5 }			
audAnaOverTm		☐	▣

SYNTAX	INTEGER {
	0..30
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog audio over-volume duration threshold (in seconds).		
::= { audioAnaDisp 6 }			
audAnaSilenceLvl		☐	▣

SYNTAX	INTEGER {
	-90..-60
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog audio silence level (in dBu).		
::= { audioAnaDisp 7 }			

Table 25: Analog Audio group (audioAnaDisp wfm_mon 23) (Cont.)

Object identifier	Object type	WFM	WVR
audAnaSilenceTm		☐	▣

SYNTAX	INTEGER {
	0..60
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog audio silence duration threshold (in seconds).		
::= { audioAnaDisp 8 }			
audAnaProgLvl		☐	▣

SYNTAX	INTEGER {
	0..-30
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog audio peak program level (in dBu).		
::= { audioAnaDisp 9 }			
audAnaTestLvl		☐	▣

SYNTAX	INTEGER {
	0..-30
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog audio test level (in dBu).		
::= { audioAnaDisp 10 }			
audAnaCorrMtrSpd		☐	▣

SYNTAX	INTEGER {
	1..20
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog audio correlation meter speed.		
::= { audioAnaDisp 11 }			

Table 25: Analog Audio group (audioAnaDisp wfm_mon 23) (Cont.)

Object identifier	Object type	WFM	WVR
audAnaZeroDbMark		☐	▣

SYNTAX	INTEGER {
	dBu(0),
	peak-level(1),
	test-level(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects zero dB reference level for analog audio.		
::= { audioAnaDisp 12 }			
audAnaMeterNum		☐	▣

SYNTAX	INTEGER {
	0..5
	}		

MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Audio analog level meter number for analog level meter table.		
::= { audioAnaDisp 13 }			
audAnaLvlTable		☐	▣
SYNTAX	SEQUENCE of AudAnaLvlEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table of analog audio statistics for each audio channel that is associated with a level meter.		
::= { audioAnaDisp 14 }			
audAnaLvlEntry		☐	▣
SYNTAX	AudAnaLvlEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the analog audio level table.		
INDEX	{ audAnaMeterNum }		
::= { audAnaLvlTable 1 }			

```
AudAnaLvlEntry ::= SEQUENCE {
        audAnaLevel  INTEGER,
        audAES-B-BarInput     INTEGER,
        audAnaSilenceCount    INTEGER,
        audANaOverCount       INTEGER
        }
```

Table 25: Analog Audio group (audioAnaDisp wfm_mon 23) (Cont.)

Object identifier	Object type	WFM	WVR
audAnaLevel		☐	▣

SYNTAX	INTEGER {
	0..-9900
	}		

MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Returns the level of the analog audio in dBu (x 100).		
::= { audAnaLvlEntry 1 }			
audAnaSilenceCount		☐	▣
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Number of analog silence conditions detected in the current session.		
::= { audioAnaLvlEntry 2 }			
audAnaOverCount		☐	▣
SYNTAX	INTEGER		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Number of analog over conditions detected in the current session.		
::= { audioAnaLvlEntry 3 }			
audAnaPkHoldSeg		☐	▣

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enables the peak hold segment on the analog level meters.		
::= { audioAnaDisp 15 }			
audAnaLvlMtrScale		☐	▣

SYNTAX	INTEGER {
	normal(0)
	custom(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable custom audio meter scale.		
::= { audioAnaDisp 16 }			

Table 25: Analog Audio group (audioAnaDisp wfm_mon 23) (Cont.)

Object identifier	Object type	WFM	WVR
audAnaMeterType		☐	▣

SYNTAX	INTEGER {
	dbu(0),
	din(1),
	nordic(2),
	vu(3),
	ieee(4)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog audio meter presets for standard audio meter configurations.		
::= { audioAnaDisp 17 }			
audAnaLevlMtrHeight		☐	▣
SYNTAX	INTEGER		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Range of scale for custom analog audio meter configuration in dB.		
::= { audioAnaDisp 18 }			
audAnaLvlMtrOffset		☐	▣
SYNTAX	INTEGER		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Top of scale for custom analog audio meter configuration in dBu.		
::= { audioAnaDisp 19 }			
audAnaGratStepSize		☐	▣

SYNTAX	INTEGER {
	3..10
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Graticule step size for custom analog audio meter configuration in dB.		
::= { audioAnaDisp 20 }			

Table 25: Analog Audio group (audioAnaDisp wfm_mon 23) (Cont.)

Object identifier	Object type	WFM	WVR
audAnaLissAGC		☐	▣

SYNTAX	INTEGER {
	off(0),
	on(1),
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable Lissajous automatic gain control for analog audio.		
::= { audioAnaDisp 21 }			
audAnaSessionCtrl		☐	▣

SYNTAX	INTEGER {
	reset(0),
	stop(1),
	run(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Analog audio session control.		
::= { audioAnaDisp 22 }			
audAnaSessionRuntime		☐	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Analog audio session run time.		
::= { audioAnaDisp 23 }			

Table 26: Display group (display wfm_mon 24)

Object identifier	Object type	WFM	WVR
currTile		☐	■

SYNTAX	INTEGER {
	tile1(0),
	tile2(1)
	tile3(2)
	tile4(3)
	}		

MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Currently selected tile. This is used as index in tables.		
::= { display 1 }			
gratIntensity		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Graticule intensity.		
::= { display 2 }			
rdOutIntensity		■	■
SYNTAX	INTEGER		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Readout intensity.		
::= { display 3 }			
gratColor			
SYNTAX	INTEGER {		
	gold(0),	■	■
	blue(1),	☐	■
	red(2)	■	■
	}		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Graticule color.		
::= { display 4 }			

Table 26: Display group (display wfm_mon 24) (Cont.)

Object identifier	Object type	WFM	WVR
rdOutColor		□	■

SYNTAX	INTEGER {
	gold(0),
	blue(1),
	red(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Readout color.		
::= { display 5 }			
wfmColor		■	■

SYNTAX	INTEGER {
	green(0),
	white(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform color.		
::= { display 6 }			
wfmIntensity		■	■

SYNTAX	INTEGER {
	WFM700: -99 to +40,
	WVR7100: -50 to +50
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Waveform intensity.		
::= { display 7 }			
fullscreen		□	■

SYNTAX	INTEGER {
	tile-none(0)
	tile-1(1)
	tile-2(2),
	tile-3(3),
	tile-4(4),
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Select a tile to display it in full screen mode. (Select tile-none to display tiles in tile mode.)		
::= { display 8 }			

Table 26: Display group (display wfm_mon 24) (Cont.)

Object identifier	Object type	WFM	WVR
pictBrightness		☐	■
SYNTAX	INTEGER { -50 to +50 }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Picture brightness level.		
::= { display 9 }			
vgaOutput		☐	■

SYNTAX	INTEGER {
	normal(0),
	dim(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	VGA brightness level.		
::= { display 10 }			
panelBacklight		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Front panel backlight enable.		
::= { display 11 }			
panelBklitIntensity		☐	■
SYNTAX	INTEGER { 1 to 10 }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Front panel backlight intensity level.		
::= { display 12 }			
lcdBklitIntensity		■	☐
SYNTAX	INTEGER { 5 to 100 }		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	LCD backlight intensity level.		
::= { display 13 }			

Table 26: Display group (display wfm_mon 24) (Cont.)

Object identifier	Object type	WFM	WVR
pictBrtupRgbGamut		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Picture brightup on RGB gamut error.		
::= { display 14 }			
pictBrtupCmpstGamut		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Picture brightup on composite gamut error.		
::= { display 15 }			
pictRefreshMode		□	■

SYNTAX	INTEGER {
	crt(0),
	lcd(1),
	interlace(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Picture refresh mode.		
::= { display 16 }			
pictBrtupLumaGamut		■	■

SYNTAX	INTEGER {
	off(0),
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Picture brightup on luma gamut error.		
::= { display 17 }			

Table 26: Display group (display wfm_mon 24) (Cont.)

Object identifier	Object type	WFM	WVR
freezeTable		■	■
SYNTAX	Sequence of FreezeEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Table for freeze display modes.		
::= { display 18 }			
freezeEntry		■	■
SYNTAX	FreezeEntry		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	A row in the freeze table.		
INDEX	{ currTile }		
::= { freezeTable 1 }			
FreezeEntry		■	■
::= SEQUENCE {			
freeze	INTEGER		
freezeDelete	INTEGER		
freezeDisplayMode	INTEGER		
}			
freeze			
SYNTAX	INTEGER {		
	off(0)	□	■
	on(1)	■	■
	}		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Activate the freeze in respective tiles; this is a write-only trigger.		
::= { freezeEntry 1 }			
freezeDelete			
SYNTAX	INTEGER {		
	off(0)	□	■
	on(1)	■	■
	}		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Delete the freeze in respective tiles; this is a write-only trigger.		
::= { freezeEntry 2 }			

Table 26: Display group (display wfm_mon 24) (Cont.)

Object identifier	Object type	WFM	WVR
freezeDisplayMode		■	■

SYNTAX	INTEGER {
	live(0)
	frozen(1)
	both(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Freeze display mode in selected tile.		
::= { freezeEntry 3 }			
freezeMode		□	■

SYNTAX	INTEGER {
	global(0)
	tile(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Sets Freeze behavior to freeze all tiles (global 0) or just the specified tile (tile 1).		
::= { display 19 }			
vgaAspectRatio		□	■

SYNTAX	INTEGER {
	normal(0)
	ratio16X9(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Sets VGA aspect ratio.		
::= { display 20 }			
displayThumbnail		■	□

SYNTAX	INTEGER {
	off(0)
	on(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Display thumbnail picture.		
::= { display 21 }			

Table 26: Display group (display wfm_mon 24) (Cont.)

Object identifier	Object type	WFM	WVR
ccDisplayEnable		■	□

SYNTAX	INTEGER {
	disable(0),
	enable(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable closed captioning display. For WVR6100 and WVR7100, see ccDisplayEnableTile (page 63).		
::= { display 22 }			
ccenableSafePictAreaGrat		■	□

SYNTAX	INTEGER {
	disable(0),
	enable(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable safe picture area. For WVR6100 and WVR7100, see safeAreaAction OIDs in PICT group (page 61).		
::= { display 23 }			
pixMonOpColSpaceSD		■	□

SYNTAX	INTEGER {
	off(0),
	yCbCr(1),
	rgb(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Set picture monitor output color space for SD.		
::= { display 24 }			
pixMonOpColSpaceHD		■	□

SYNTAX	INTEGER {
	off(0),
	yCbCr(1),
	rgb(2)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Set picture monitor output color space for HD.		
::= { display 25 }			

Table 26: Display group (display wfm_mon 24) (Cont.)

Object identifier	Object type	WFM	WVR
vecIqAxis			

SYNTAX	INTEGER {
	off(0),
	on(1),
	onIfSD(2)
	}
		
		■
		■
		■
			
			■
			■
			□

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Display vector IQ axes (if on, IQ axes are displayed).		
::= { display 26 }			
wfmGratUnits			

SYNTAX	INTEGER {
	auto(0),
	mV(1)
	ire(2),
	fullScalePct(3)
	}
		
		■
		■
		■
		■
			
			■
			■
			□
			□

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects the waveform graticule units.		
::= { display 27 }			
pictAspectRatio		□	■

SYNTAX	INTEGER {
	auto(0),
	ratio 16X9(1)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects aspect ratio for picture display. Applies only to Composite and SD formats.		
::= { display 28 }			

wvr7100 MIB Definitions

The section describes the wvr7100 MIB. The objects described in this section apply only to the WVR6100 and the WVR7100.

The following imports are included:

Module-Identity, Object-Type, enterprises from SNMPv2-SMI

DisplayString from SNMPv2-TC

Module-Compliance, Object Groups from SNMPv2-Conf

Object Descriptions

Descriptions for Group and Table are as follows:

tek	OBJECT IDENTIFIER ::= { enterprises 128 }
tvt	OBJECT IDENTIFIER ::= { tek 5 }
tvtproducts	OBJECT IDENTIFIER ::= { tvt 1 }
tvtmibs	OBJECT IDENTIFIER ::= { tvt 2 }

The MIB module tables describe the control statements for the WVR6100 Waveform Rasterizers. The management information base tables begin with the MIB Definitions

Group Descriptions

Descriptions for groups are as follows:

module definition:

wvr7100 MODULE-IDENTITY ::= { tvtproducts 13 }

groups:

comp	OBJECT IDENTIFIER ::= { wvr7100 1 }
diag	OBJECT IDENTIFIER ::= { wvr7100 2 }
readout	OBJECT IDENTIFIER ::= { wvr7100 3 }

***NOTE**. Some of the Audio SNMP OIDS have a syntax that is tile specific, but they actually are global and affect all tiles.*

Table 27: Composite calibration group (comp wvr7100 1)

Object identifier	Object type
compDcRestore	

SYNTAX	INTEGER {
	off (0),
	slow (1),
	fast (2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	DC restore function of composite input.
::= { comp 1 }	
compPalVector	

SYNTAX	INTEGER {
	normal(0),
	plusV(1),
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	PAL vector mode of composite input normal / plusv.
::= { comp 2 }	
compNtscSetup	

SYNTAX	INTEGER {
	off(0),
	on(1),
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	NTSC setup of composite input.
::= { comp 3 }	
compSyncLockMode	

SYNTAX	INTEGER {
	direct(0),
	afc(1),
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Composite input sync lock mode. Note: direct = fast, afc = slow.
::= { comp 4 }	

Table 27: Composite calibration group (comp wvr7100 1) (Cont.)

Object identifier	Object type
refSyncLockMode	

SYNTAX	INTEGER {
	direct(0),
	afc(1),
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	External reference sync lock mode.
::= { comp 5 }	

Table 28: Diagnostics group (diag wvr7100 2)

Object identifier	Object type
adjustType	
SYNTAX	INTEGER (0..1)
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Composite adjustment type (0 - Zero adjust, 1 - white adjust). This is used as an INDEX in the table.
::= { diag 1 }	
calChannelNum	
SYNTAX	INTEGER (0..5)
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Audio calibration channel number.
::= { diag 2 }	
adjustTable	
SYNTAX	SEQUENCE OF AdjustEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Table for adjust.
::= { diag 3 }	
adjustEntry	
SYNTAX	AdjustEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	A row in the adjust table.
INDEX	{ adjustType }
::= { adjustTable 1 }	
AdjustEntry	
::= SEQUENCE { adjust INTEGER }	

Table 28: Diagnostics group (diag wvr7100 2) (Cont.)

Object identifier	Object type	
adjust		
SYNTAX	INTEGER {	
	end(0),	End the adjustment without saving.
	start-with-preset(2),	Enable instrument adjustment with a preset loaded.
	start-no-preset(3),	Enable instrument adjustment without loading a preset.
	save(4),	Save all adjustment data to persist storage and exit adjustment mode.
	load(5)	Load all adjustment data from persistent storage and activate.
	}	
MAX-ACCESS	read-write	
STATUS	current	
DESCRIPTION	Instrument adjustment data control.	
::= { adjustEntry 1 }		
compAdjZero		
SYNTAX	INTEGER	
MAX-ACCESS	read-write	
STATUS	current	
DESCRIPTION	Composite waveform DC offset adjustment.	
::= { diag 4 }		
compAdjWhiteVal		
SYNTAX	INTEGER	
MAX-ACCESS	read-write	
STATUS	current	
DESCRIPTION	Composite waveform white adjustment value (values from -9 to 9 are not allowed).	
::= { diag 5 }		
compAdjFreq		
SYNTAX	INTEGER	
MAX-ACCESS	read-write	
STATUS	current	

Table 28: Diagnostics group (diag wvr7100 2) (Cont.)

Object identifier	Object type
DESCRIPTION	Composite frequency peaking adjustment value.
::= { diag 6 }	
audInAdjTable	
SYNTAX	Sequence of AudInAdjEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Table for audio input adjustment.
::= { diag 7 }	
audInAdjEntry	
SYNTAX	AudInAdjEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	A row in the audio input adjustment table.
INDEX	{ calChannelNum }
::= { audInAdjTable 1 }	

AudInAdjEntry
::= SEQUENCE {
audInputAdjAmp INTEGER
}	

audInputAdjAmp	

SYNTAX	INTEGER {
	calibration-failed(-1,)
	calibration-unknown(0),
	calibration-busy(1),
	calibration-done(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Analog audio meter gain adjustment value.
::= { audInAdjEntry 1 }	
audSelfTest	

SYNTAX	INTEGER {
	self-test-error(-1),
	self-test-ok(0)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Audio hardware self-test.
::= {diag 8 }	

Table 28: Diagnostics group (diag wvr7100 2) (Cont.)

Object identifier	Object type
audTone	

SYNTAX	INTEGER {
	tone-off(0),
	tone-100hz(1),
	tone-1khz(2),
	tone-18khz(3)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	State of the audio tone generator.
::= { diag 9 }	
fpFlash	

SYNTAX	INTEGER {
	not-programmed(0),
	programmed(1),
	programming(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Read: state of the front-panel processor. Write: program the front-panel processor.
::= { diag 10 }	
fpDiags	

SYNTAX	INTEGER {
	off(0),
	fpLedTestAll(1),
	fpLedWalkingTest(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Write only: perform front-panel diagnostics.
::= { diag 10 }	

Table 29: Readout configuration group (readout wvr7100 3)

Object identifier	Object type
wfmReadout	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform readouts disable/enable.
::= { readout 1 }	
vecReadout	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Vector readouts disable/enable.
::= { readout 2 }	
pictReadout	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Picture readouts disable/enable.
::= { readout 3 }	
gamutReadout	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Gamut readouts disable/enable.
::= { readout 4 }	