Reference

Tektronix

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

071-1592-00

This document applies to:
wfm-mon.mib version 1.1 and
wvr7100.mib version 1.0.

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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.

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Outside North America, contact a Tektronix sales office or distributor; see the Tektronix web site for a list of offices.

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 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 and the WVR7100 (starting on page 4).
- **wvr7100:** a MIB that is specific to the WVR7100 (starting on page 148).

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 and the WVR7100. 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 }

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)	■	□
	}		
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)	□	■
	}		
MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects the field for line select (0 means all 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
closedCaptionPresent		■	□

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.		
::= { input 44 }			
closedCaptionType			

SYNTAX	INTEGER {
	cc-type-auto(0),
	cc-type-CEA-608_VBI(1),
	cc-type-CEA-608_ANC(2),
	cc-type-EIA-708-ANC(3),
	cc-type-CEA-608-708(4),
	cc-type-aARIB(5),
	cc-type-teletext(6),
	}
		
		■
		■
		■
		□
		■
		□
		□
			
			□
			□
			□
			□
			□
			□
			□

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Select type of closed caption to be decoded.		
::= { input 45 }			
ccLineDetectMode		■	□

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

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects line number for closed caption data in manual detection mode.		
::= { input 46 }			

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

Object identifier	Object type	WFM	WVR
ccLineNum		■	□

SYNTAX	INTEGER {
	11-25
	}		

MAX ACCESS	read-write		
STATUS	current		
DESCRIPTION	Selects closed captioning line number.		
::= { input 47 }			
ccDetected		■	□
SYNTAX	DisplayString		
MAX ACCESS	read-only		
STATUS	current		
DESCRIPTION	Reports the types of closed captioning 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.		
::= { input 49 }			

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

Object identifier	Object type	WFM	WVR
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 }			
gcGndClosurePort		■	☐

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

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

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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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..7}		
MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Audio level meter number for digital audio level meter table.		
::= { audioDisp 16 }			
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 }			

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

Object identifier	Object type	WFM	WVR

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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

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

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

Object identifier	Object type	WFM	WVR
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		
}			
wfmMode		■	■

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

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

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

Object identifier	Object type	WFM	WVR
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}			
wfmFilterYrgb		■	■

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

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

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
wfmVarGainEnable		■	■

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

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable waveform variable gain.		
::= { wfmEntry 13 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
wfmCursorVDelta		■	■
SYNTAX	DisplayString		
MAX-ACCESS	read-only		
STATUS	current		
DESCRIPTION	Voltage difference between vertical cursors.		
::= { wfmEntry 22 }			

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

Object identifier	Object type	WFM	WVR
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 }			
wfmPercentCurUnits		■	□

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

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

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			
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 }			

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

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
lgtVarVGainEnable		■	■

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

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

SYNTAX	INTEGER {
	90..108
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Upper luma threshold (%).		
::= { gamut 5 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
rgbGamutfilter		■	□

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

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

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

Object identifier	Object type	WFM	WVR
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-x5(1),
	gain-x10(2)
	}
		
		▣
		▣
		▣
			
			☐
			☐
			☐

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-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
}			

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 }			

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,		
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
audPhasePair			
SYNTAX	INTEGER {		
	pair1-2(0),	▣	▣
	pair3-4(1),	▣	▣
	pair5-6(2),	▣	▣
	pair7-8(3),	▣	▣
	pairCustom(4)	▣	☐
	}		
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)	☐	▣
	}		
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 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 (audiolo 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
}			

audAES-A-BarOutput		□	▣

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

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)
	}		

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),
	}		

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),
	}		

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 (audioIo 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)
	}		

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)
	}		

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 }			
audVidMap-SDI-A		☐	▣

SYNTAX	INTEGER {
	none(0),
	aesA(1),
	aesB(2),
	analogA(3),
	analogB(4)
	embedded(5)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Video to Audio Map for SDI A.		
::= { audioIo 14 }			

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

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

SYNTAX	INTEGER {
	none(0),
	aesA(1),
	aesB(2),
	analogA(3),
	analogB(4)
	embedded(5)
	}		

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Video to Audio Map for SDI B.		
::= { audioIo 15 }			
audVidMap-Cmpst-A		☐	▣

SYNTAX	INTEGER {
	none(0),
	aesA(1),
	aesB(2),
	analogA(3),
	analogB(4)
	}		

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)
	}		

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

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

Object identifier	Object type	WFM	WVR
audOutLvl		☐	▣
SYNTAX	DisplayString		
MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Value is a floating point number (sent as a string) from 0.0 to 120.0 dB.		
::= { audioIo 18 }			
audAES-A-ActvChannels		▣	▣
SYNTAX	DisplayString		
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 19 }			
audAES-B-ActvChannels		☐	▣
SYNTAX	DisplayString		
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 20 }			
audAna-A-ActvChannels		☐	▣
SYNTAX	DisplayString		
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		
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 (audioIo wfm_mon 18) (Cont.)

Object identifier	Object type	WFM	WVR
audEmbed-A-ActvChannels		▣	▣
SYNTAX	DisplayString		
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 23 }			
audEmbed-B-ActvChannels		☐	▣
SYNTAX	DisplayString		
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 24 }			
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.		
::= { audioIo 25 }			

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 }			
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 }			

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

Object identifier	Object/Notification type	WFM	WVR
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 }			
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 }			
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 }			

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

Object identifier	Object/Notification type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object/Notification type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object/Notification type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object/Notification type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object/Notification type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object/Notification type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object/Notification type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object/Notification type	WFM	WVR
vchipPresenceTrap		■	□
STATUS	current		
DESCRIPTION	V-chip signal presence.		
::= { 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 }			
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 }			

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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
ccPresence		■	□
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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),	■	□
	vchipPresence(3),	■	□
	ccProtocol(4),	■	□
	ccParityChecksum(5),	■	□
	ccServicePresence(6),	■	□
	ccChanged(7),	■	□
	embAudioBufferEmpty(8),	□	■
	embAudioBufferFull(9),	□	■
	ancTcMissing(10),	□	■
	ancTcInvalid(11),	□	■
	launchAmplitudeAlarm(12),	□	■
	cableLengthAlarm(13),	□	■
	audioPhaseError(14),	□	■
	ccPresence(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),	□	■
	videoRefFormatMismatch(72),	■	■
	videoFormatMismatch(73),	■	■
	videoNotHd(74),	■	■
	videoFormatChange(75),	■	■
	refUnlocked(76),	□	■
	refMissing(77),	■	■
	inputUnlocked(78),	□	■
	videoSignalMissing(79)	■	■
	}		
::= { alarm 59 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
ccSvcPres		■	□
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 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 }			
saveOffset		☐	■

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

MAX-ACCESS	read-write		
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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..7
	}		

MAX-ACCESS	not-accessible		
STATUS	current		
DESCRIPTION	Audio analog level meter number for analog level meter table.		
::= { audioAnaDisp 13 }			

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

Object identifier	Object type	WFM	WVR
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			
}			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
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 }			

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

Object identifier	Object type	WFM	WVR
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 }			
vgaDisplayAspectRatio		□	■

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.		
::= { display 22 }			
enableSafePictAreaGrat		■	□

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

MAX-ACCESS	read-write		
STATUS	current		
DESCRIPTION	Enable/disable safe picture area.		
::= { 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 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 WVR7100 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 }	