

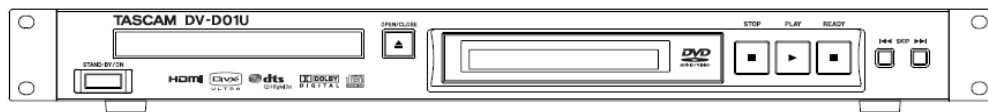


DV-D01U

Technical Documentation

PRODUCT OVERVIEW

The DV-D01U is the latest addition to TASCAM's contracting product line. An impressive list of features packaged in a "single-space" rack-mount chassis make this DVD player industry standard for all professional A/V installations.



Digital Direct Progressive Scan

MSRP \$649.00

1U Rack-Mountable.

Extensive Bi-Directional RS-232 Control Capabilities

Power-On-Play

Screen Saver Function

Format Adjustment for 4:3 and 16:9

Slow motion and Frame by Frame playback

Optical Digital Audio Outputs

Plays DVD Video, DVD Audio (2 channel only), VCD, SVCD, DVD +R/+RW, and Audio CD.

Plays MP3, WMA, WAV, JPEG, ASF, MPEG-2/MPEG-1, DivX. See chart on page 3 for complete list.

Defeatable On-Screen Guide Icons

Composite, Component, and S-Video Outputs

HDMI (High Definition Multimedia Interface)

IR Remote Control Included

Selectable Scan Mode

DVD Audio Bonus Group Playback (Bonus group password required. Refer to disc for password.)

Tray Lock (prohibits unwanted disc ejection)

True Progressive Scan

FVPP (Fine Video Picture Processing)

Plays NTSC and PAL discs (region codes apply)

CONSULTANT'S AND SYSTEM DESIGN SPECIFICATIONS

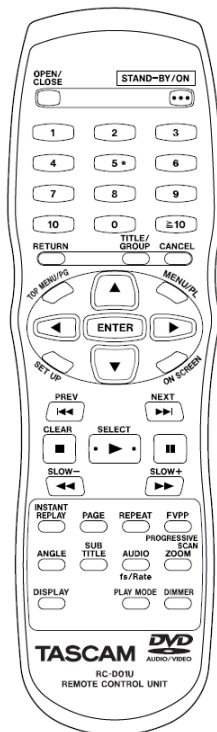
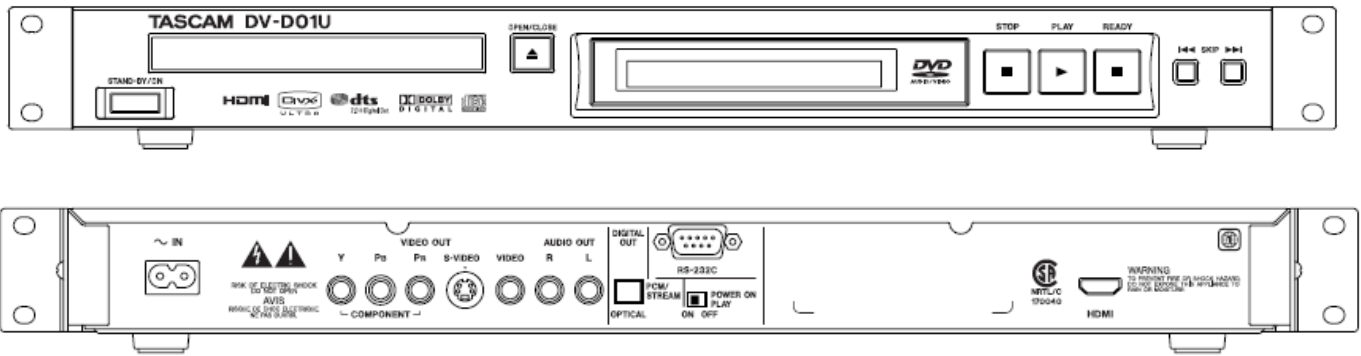
The DV-D01U is a 1U rack-mountable single disc player with a powered loading tray. The DVD player reads DVD Video, DVD Audio (2-channel only), Video CD, CD-DA, MP3, WMA, WAV, JPEG, ASF, MPEG-2/MPEG-1, and DivX. The player is capable of playing back properly finalized DVD +R/+RW discs.

Outputs consist of HDMI audio/video out and Composite, S-Video, and Component video outputs. Rear panel stereo outputs are unbalanced (RCA) and digital outputs are optical. Digital outputs can pass Dolby Digital and DTS surround streams for later decoding.

The DV-D01U performs multiple playback modes, including slow motion and frame by frame playback, power on play, aspect adjustment, selectable scan mode, tray-lock, FVPP, and Progressive Scan. When stopped the DVD player output is black.

The DV-D01U provides extensive bi-directional RS-232 serial control. I/R remote control included. DV-D01U is equipped with a screen saver function and defeatable On-Screen Icons. The unit is also able to play "finalized" +R/+RW (video format discs only). The TASCAM DV-D01U is HDCP compliant.

PANELS



Digital output signal table

Playback discs	Digital audio output		
	PCM ONLY	DOLBY DIGITAL/PCM	STREAM/PCM
DVD with 48/44.1 kHz, 16/20/24 bit linear PCM	48/44.1 kHz, 16 bit, stereo linear PCM		
DVD with 96/88.2 kHz, 16/22/24 bit linear PCM	No output		
DVD with DTS	48 kHz, 16 bit, stereo linear PCM		DTS bitstream
DVD with Dolby Digital/DVD AUDIO	48 kHz, 16 bit, stereo linear PCM	Dolby Digital bitstream	
DVD with MPEG Multichannel	48 kHz, 16 bit, stereo linear PCM		MPEG bitstream
Audio CD/Video CD/SVCD	44.1 kHz, 16 bit, stereo linear PCM		
Audio CD with DTS	44.1 kHz, 16 bit, stereo linear PCM		DTS bitstream
CD-R/RW with MP3	Linear PCM		

SPECIFICATIONS

General

Power Requirements: U.S.A./Canada 120 VAC, 60 Hz
 U.K./Europe 230 VAC, 50 Hz
 Australia 240 VAC, 50 Hz
 Power Consumption: 11 W (at operation)
 0.2 W (in standby mode)
 Dimensions (W x H x D): 482 mm x 51 mm x 269 mm
 (19 inches x 2 inches x 10.6 inches)
 Mass: 2.3 kg (5.1 lbs)

Audio section

Analog output:
 AUDIO OUT: -8 dB/1 k Ω
 Digital output*1:
 DIGITAL OUT (OPTICAL): -21 dBm to -15 dBm
 (660 nm \pm 30 nm)
 *1 Corresponding to Linear PCM, Dolby Digital, and DTS Digital Surround (with sampling frequency — 32 kHz, 44.1 kHz, 48 kHz)

Video section

Video System: NTSC
 Horizontal Resolution: 500 lines
 Signal-to-Noise Ratio: 64 dB
 Video output level
 Composite: 1.0 V(p-p)/75 Ω
 S-video-Y: 1.0 V(p-p)/75 Ω
 S-video-C: 0.286 V(p-p)/75 Ω
 Component-Y: 1.0 V(p-p)/75 Ω
 Component-P_B/P_R: 0.7 V(p-p)/75 Ω

HDMI

HDMI Output (Ver. 1.1): HDMI

RS-232C

Serial command: 9-Pin D-SUB
 Designs & specifications are subject to change without notice.
 HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
 HDCP is the abbreviation of "High-Bandwidth Digital Content Protection," and is the high-reliable copy control technology licensed by Digital Content Protection, LLC.

ADDITIONAL INFORMATION

The ✓ in the list below shows available disc types and recording formats.






Disc type	CD-R/-RW ^{*1}	DVD-R ^{*1}	DVD-RW ^{*1}
DVD Video	—	✓	✓
DVD VR	—	✓	✓
DVD Audio	—	✓	✓
VCD/SVCD	✓	—	—
Audio CD	✓	—	—
MP3	✓	✓ ^{*2}	✓ ^{*2}
WMA	✓	✓ ^{*2}	✓ ^{*2}
WAV	✓	✓ ^{*2}	✓ ^{*2}
JPEG	✓ ^{*3}	✓ ^{*2}	✓ ^{*2}
ASF	✓	✓ ^{*2}	✓ ^{*2}
MPEG-2	✓ ^{*3}	✓ ^{*2}	✓ ^{*2}
MPEG-1	✓ ^{*3}	✓ ^{*2}	✓ ^{*2}
DivX	✓	✓ ^{*2}	✓ ^{*2}

*1 This unit can play finalized discs only.

*2 Recorded with UDF Bridge format.

*3 This unit may not be able to play back a file if the file size is too large.

This unit has been designed to play back the following discs:

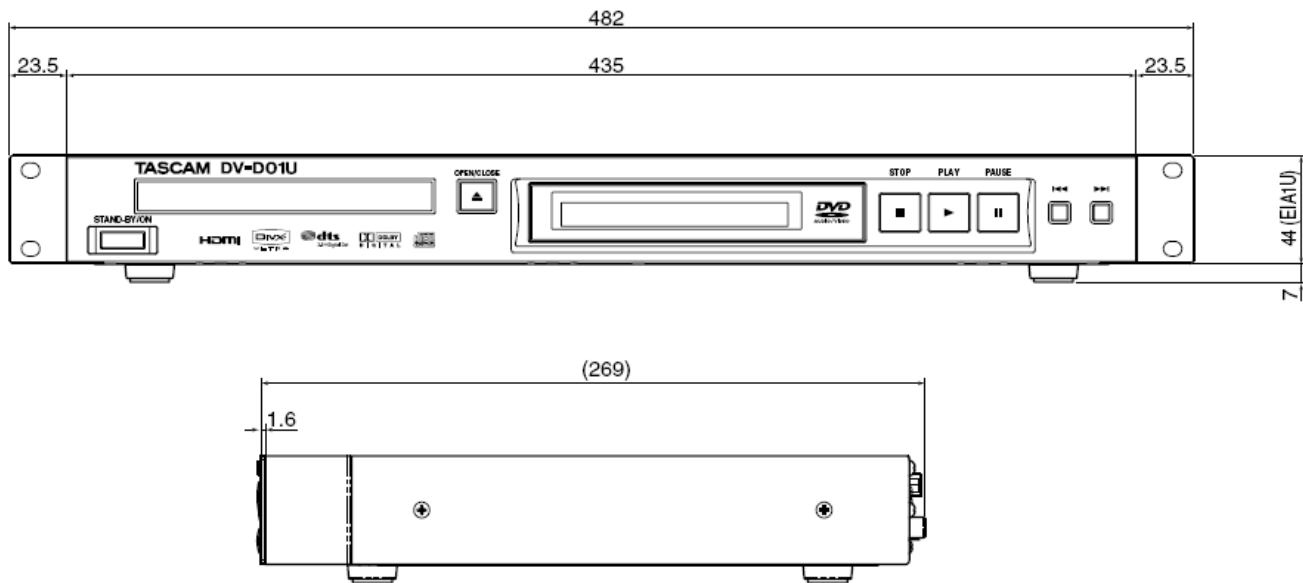
DVD VIDEO	DVD AUDIO (2-channel only)
 	 
VCD	SVCD
 	 
Audio CD	
	

Unplayable discs

DVD-ROM, DVD-RAM, CD-I (CD-I Ready), Photo CD, etc.
Playing back these discs will generate noise and damage the speakers.

It is possible to play back **finalized** +R/+RW (DVD Video Format only) discs. “DVD” lights on the display window when a +R/+RW disc is loaded

Dimensions (unit: mm)



There are some progressive TVs and High-Definition TVs that are not fully compatible with this unit, resulting in an unnatural picture when playing back a DVD VIDEO in the progressive scan mode. In such a case, change the scan mode to the interlace mode.