

DT-V24L3D

24" Native HD Multi-Format Studio Monitor



JVC's DT-V series broadcast and professional monitors are the ideal replacements for traditional CRT displays, especially with HDTV content becoming widespread. The DT-V24L3DU incorporates JVC's 3rd generation flat panel technology, highly acclaimed for its rich, natural reproduction, CRT-like imagery, and stunning pixel-for-pixel resolution. Like its predecessor, the DT-V24L3DU offers native 1920 x 1080 resolution on an oversized 1920 x 1200 display panel leaving ample room for on screen status and metering indications outside of the active picture area. The monitor now offers a waveform monitor and new processing with lower latency and faster switching response than earlier models.

Achieving HD images, faithful to original signals, with less than one frame of latency

Features

- 1920x1200 pixels
- Circuits that deliver low latency of less than one frame
- Waveform monitoring with over level function
- Gold-plated HD/SD SDI terminals with embedded audio
- DVI-D with HDCP terminal
- High-performance LCD panel
- Exclusive JVC image processing technology
- Status display in unused section of 16:10 panel
- Wide selection of video production functions
- Easy-to-operate front panel controls
- Rugged, adjustable stand provided
- Source ID input by ASCII code
- Information position selectable
- Full screen mode for SD 4:3 signal

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16:10, W-UXGA: 1920 x 1200 pixel array

Specifications

Model	DT-V24L3D	
Type	Multi-format HDTV/SDTV LCD monitor	
Screen Size	Type 24 wide format	
Aspect Ratio	16:10	
LCD Panel	24" wide, active matrix TFT	
Effective Screen Size (W x H)	51.84 x 32.4 cm	
Pixels	1920 x 1200 (W-UXGA)	
Display Colours	16.7 million	
Viewing Angle	Horizontal	176°
	Vertical	176°
Brightness	400 cd/m ²	
Contrast Ratio	1000:1	
Horizontal/Vertical Frequency (PC signals)	Horizontal	31.469 kHz to 75.000 kHz
	Vertical	60 Hz ± 5 Hz
Applicable Standard	Depending on the signal within the range of these frequencies, some signals may not be displayable, in which case, "Out of range" is shown. HD SDI: BTA S-0048, SMPTE292M SD SDI: ITU-R BT.656: 525/625, SMPTE299M: 525 EMBEDDED AUDIO: SMPTE299M, SMPTE272M	
Audio Output	Internal: 1.0 W + 1.0 W (L/R)	
Environmental Conditions	Operating temperature	5°C to 35°C
	Operating humidity	20% to 80% (non condensing)
Power Requirements	AC 120/220-240 V, 50/60 Hz	
Rated Current	1.15 A (AC 120V) 0.67 A (AC 220-240 V)	
Dimensions (WxHxD) excluding protrusions	With desktop stand	564 x 448.6 x 243 mm
	Without stand	564 x 408 x 99 mm
Weight	Excluding stand	8.7 kg
	Including stand	11.6 kg
Provided Accessories	AC power cord, power cord holder, screw x 2 (for power cord holder)	
Option	Protective screen	

Input/Output Terminals

Video	VIDEO 1	Composite video signal input/output: 1 line, BNC x 2, 1 V (p-p), 75 ohms (IN and OUT are connected with a bridge connection) (auto termination)
	VIDEO 2	
	DVI-D (HDCP)	DVI-D signal input (compatible with HDCP): DVI-D connector x 1 (compatible with DDC2B)
	COMPO./RGB (G/Y, B/Pb/B-Y, R/Pr/R-Y)	Analogue component signal/ analogue RGB signal input/output: 1 line, BNC x 6 Video signal: G/Y: 1 V (p-p), 75 ohms (sync signal included), B/Pb/B-Y, R/Pr/R-Y: 0.7 V (p-p), 75 ohms (IN and OUT are connected with a bridge connection) (auto termination)
	EXT. SYNC (CS)	Composite sync signal input/output: 1 line, BNC x 2, 0.3 V (p-p) to 4 V (p-p), 75 ohms (bipolar tri-signal, negative pole binary signals, BB) (video signals excluded) (IN and OUT are connected with a bridge connection) (auto termination)
	HD/SD SDI (IN 1) HD/SD SDI (IN 2) HD/SD SDI (OUT)	Digital signal input (compatible with EMBEDDED AUDIO): Auto detection, 1 line, BNC x 1 Digital signal output (compatible with EMBEDDED AUDIO): 1 line (switched out), BNC x 1
Audio	AUDIO ASSIGN (IN 1) AUDIO ASSIGN (IN 2) AUDIO ASSIGN (MONITOR OUT)	Analogue audio signal input: 1 line, RCA x 2, 500 mV (rms), high impedance Analogue audio signal output: 1 line, RCA x 2, 500 mV (rms)
	External Control	MAKE/TRIGGER: RJ-45 x 1 (8-pin) RS-485: RJ-45 x 2 (IN/OUT) (8-pin) RS-232C: D-sub (9-pin) x 1

Input Format

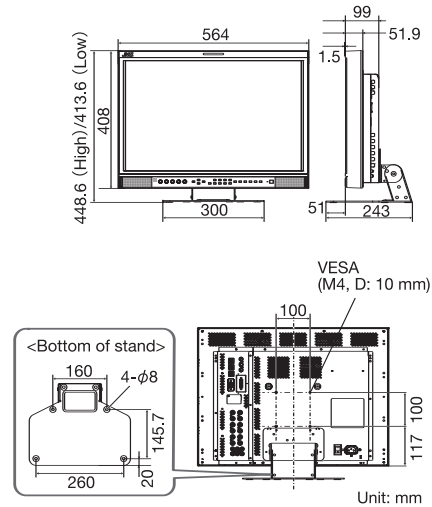
VIDEO		Input terminals				COMPUTER		Input terminals
Signal name	Video	Component/RGB	HD/SD SDI	DVI-D with HDCP (video)		Signal name	DVI-D (PC)	
NTSC	✓	—	—	—		VGA60	—	✓
PAL	✓	—	—	—		W-VGA60	—	✓
BW(50Hz/60Hz)	—	—	—	—		SVGA60	—	✓
480/60i	—	✓	✓	✓		XGA60	—	✓
576/50i	—	✓	✓	✓		W-XGA60 (1280 x 768)	—	✓
480/60p	—	✓	✓	✓		W-XGA60 (1440 x 900)	—	✓
576/50p	—	✓	✓	✓		WXGA60 (1280 x 1024)	—	✓
640 x 480/60p	—	—	—	—		1920 x 1080@60/50	—	✓
720/24p, 25p, 30p	—	✓	✓	—		1280 x 720@60/50	—	✓
720/50p, 60p	—	✓	✓	—		W-SXGA60 (1680 x 1050)	—	✓
1080/50i, 60i	—	✓	✓	✓		U-XGA60 (1600 x 1200)	—	✓
1080/50p, 60p	—	—	—	✓		W-UXGA60 (1920 x 1200)	—	✓
1035/60i	—	—	—	✓ ^{*1}				
1080/24p, 25p, 30p	—	✓ ^{*1}	✓	✓ ^{*1}				
1080/24paf, 30paf ^{*1}	—	✓	✓	—				

*1: It is displayed by 1080/60i.

Status Display



Dimensions



Option • TS-W24F1 (Protective screen)

Front Panel



INPUT TERMINALS	HD/SD-SDI Gold-plated
	DVI-D
	Audio In/Out
	Speaker Stereo
CONTROLS	RS-232C
	RS-485 In/Out
	Make/trigger
FUNCTIONS	Area marker
	Safety marker
	Tally lamp
	Time code
	CRC error
	Audio level meter
	Source ID display
	1:1 mode
	I/P mode
	Waveform monitoring
INSTALLATION	Stand (Tilt & height adjustable)
	VESA
OPERATION	Power AC

Rear Panel



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