

JVC®

The Perfect Experience

20" HD Multi-Format Studio Monitor DT-V20L3D



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

Features

- 1680x1050 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
- Wide selection of video production functions
- Easy-to-operate front panel controls
- Rugged, adjustable stand provided
- 1:1 mode with HD (1920 x 1080 pixel array)
- Source ID input by ASCII code
- Information position selectable
- Full vertical screen mode for SD 4:3 signal

Status Display



Input Format

VIDEO	Input terminals				COMPUTER		
	Signal name	Video	Component/RGB	HD/SD SDI	DVI-D with HDCP (video)	Signal name	DVI-D (PC)
NTSC	✓	—	—	—	—	VGA60	✓
PAL	✓	—	—	—	—	W-VGA60	✓
B/W(50Hz/60Hz)	✓	—	—	—	—	SVGA60	✓
480/60i	—	✓	—	—	—	XGA60	✓
576/50i	—	✓	—	—	—	W-XGA60 (1280 x 768)	✓
480/60p	—	✓	—	—	—	W-XGA+60 (1440 x 900)	✓
576/50p	—	✓	—	—	—	SXGA60 (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-SXGA+60 (1680 x 1050)	✓
1080/50i, 60i	—	✓	—	—	—	U-XGA60(1600 x 1200)	✓
1080/50p, 60p	—	—	—	—	—	W-LXGA60 (1920 x 1200)	✓
1035/60i	—	—	✓ ¹⁾	—	—		✓
1080/24p, 25p, 30p	—	✓	—	—	—		✓
1080/24psf, 30psf ¹⁾	—	—	✓	—	—		✓

¹⁾ It is displayed by 1080/60i.

Front Panel



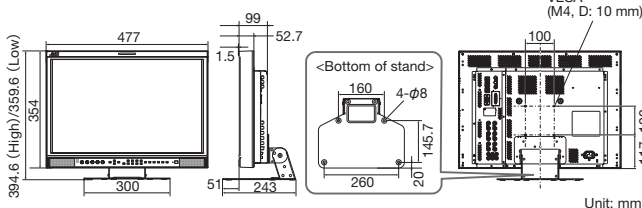
Specifications

Model		DT-V20L3D
Type	Multi-format HDTV/SDTV LCD monitor	
Screen Size	Type 20 wide format	
Aspect Ratio	16:10	
LCD Panel	20" wide, active matrix TFT	
Effective Screen Size (W x H)	433.4 x 270.9 mm	
Pixels	1680 x 1050 (W-SXGA+)	
Display Colours	16.7 million	
Viewing Angle	Horizontal	178°
	Vertical	178°
Brightness	470 cd/m ²	
Contrast Ratio	700: 1	
Horizontal/Vertical	Horizontal	31.469 kHz to 75.000 kHz
Frequency (PC signals)	Vertical	48 Hz - 65 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-004B, SMPTE292M SD SDI: ITU-R BT.656: 525/625, SMPTE259M: 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	1.00 A (AC 120V)	
	0.60 A (AC 220 - 240V)	
Dimensions (WxHxD) excluding protrusions	With desktop stand	477 x 394.6 x 243 mm
	Without stand	477 x 354 x 99 mm
Weight	Excluding stand	7.7 kg
	Including stand	10.6 kg
Provided Accessories	AC power cord, power cord holder, screw x 2 (for power cord holder)	
Option	Protective screen/rack mount adapter	

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)	Digital signal input (compatible with EMBEDDED AUDIO): Auto detection, 1 line, BNC x 1
	HD/SD SDI (IN 2)	
	HD/SD SDI (OUT)	
Audio	AUDIO ASSIGN (IN 1)	Analogue audio signal input: 1 line, RCA x 2, 500 mV (rms), high impedance
	AUDIO ASSIGN (IN 2)	
	AUDIO ASSIGN (MONITOR OUT)	
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

Dimensions



- Option ■ TS-W20F2 (Protective screen)
■ RK-C20D1 (Rack mount adapter)

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)
	Rack mount (Option)
	VESA
OPERATION	Power AC

Rear Panel

