DT-V20L3D
20" HD Multi-Format Studio Monitor

The DT-V20L3DU is a 3rd generation studio quality monitor designed for a wide range of applications in television studios, remote production vans, production and post facilities. Its compact size and high resolution make it ideal for rack mounting, or for use in cramped editing suites. JVC's anti-diffusion screen surface produces sharper images with high contrast and rich colors. A third generation digital processor significantly improves image quality while reducing latency to less than one frame. A new pixel based motion adaptive deinterlacer delivers 1080i images that look like progressive.

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)
- Monitor name input by ASCII code
- Information position selectable
- Full vertical screen mode for SD 4:3 signal

20" HD Multi-Format Studio Monitor
DT-V20L3D

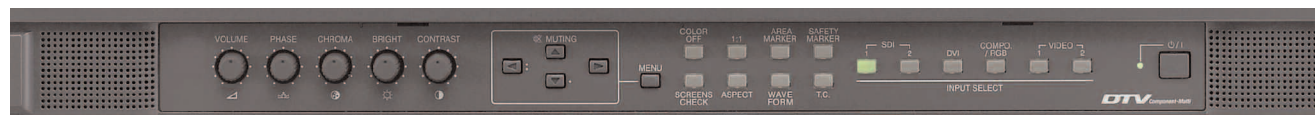## Achieving HD images, faithful to original signals with less than one frame of latency.

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/m²
Contrast Ratio		700: 1
Horizontal/Vertical Frequency (PC signals)	Horizontal	31.469 kHz to 75.000 kHz
	Vertical	48 Hz - 65 Hz
		Depending on the signal within the range of these frequencies, some signals may not be displayable, in which case, "Out of range" is shown.
Applicable Standard		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) HD/SD SDI (IN 2)	Digital signal input (compatible with EMBEDDED AUDIO): Auto detection, 1 line, BNC x 1
	HD/SD SDI (OUT)	Digital signal output (compatible with EMBEDDED AUDIO) 1 line (switched out), BNC x 1
Audio	AUDIO ASSIGN (IN 1) AUDIO ASSIGN (IN 2)	Analogue audio signal input: 1 line, RCA x 2, 500 mV (rms), high impedance
	AUDIO ASSIGN (MONITOR OUT)	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-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-UXGA60 (1920 x 1200)	✓
1035/60i	—	✓*1	✓	✓*1	*1: It is displayed by 1080/60i.	
1080/24p, 25p, 30p	—	✓	✓	✓		
1080/24psf, 30psf*1	—	✓	✓	—		

Status Display

Status
Source ID
Time code
Level meter
CRC error
Level meter
Over level
Waveform monitoring

*Status information can be displayed in the upper or the lower blank area.

Dimensions

477
99
52.7
1.5
394.6 (High)/359.6 (Low)
354
300
51
243

VESA (M4, D: 10 mm)
100
<Bottom of stand>
160
4-φ8
145.7
260
20
117 100

Unit: mm
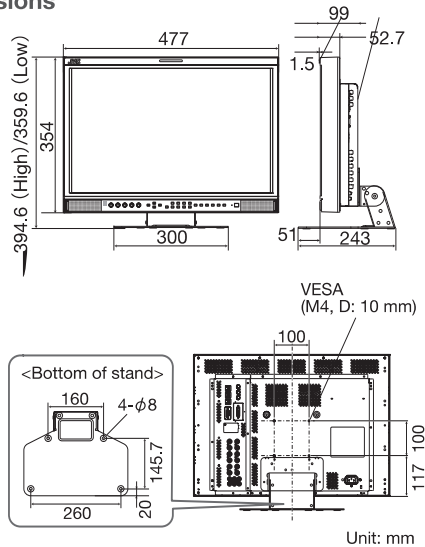
Option • TS-W20F2 (Protective screen)
• RK-C20D1 (Rack Mount Adapter)

Input Terminals / Controls / Functions / Installation / Operation (side 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 & hight adjustable)
  - Rack mount (Option)
  - VESA
- **OPERATION**
  - Power AC

Rear Panel

Front Panel

www.jvc.com/pro

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The Perfect Experience