JVC®

The Perfect Experience

24" native HD multi-format LCD monitor
(16:10, W-UXGA: 1920 x 1200 pixel array)

DT-V24L1D

20" HD multi-format LCD monitor
(16:10, W-SXGA+: 1680 x 1050 pixel array)

DT-V20L1D

17" HD multi-format LCD monitor
(16:10, W-XGA+: 1440 x 900 pixel array)

DT-V17L2D

9" HD multi-format LCD monitor
(15:9, W-VGA: 800 x 480 pixel array)

DT-V9L1D

Experience the brilliant performance of LCD monitors boasting native High Definition resolution and truly professional features

Equipped with all the features and functions professionals demand, HD performance, easy installation, and systems flexibility

DT-V24L1D

DT-V20L1D

DT-V24L1D

24" Native HD Multi-Format Studio Monitor

- 1920x1200 pixels
- 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

DT-V20L1D

20" HD Multi-Format Rack Mountable Studio Monitor

- 1680x1050 pixels
- 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

	INPUT TERMINALS				CONTROLS							
	HD/SD-SDI	DVI-D	Audio	Speaker	RS-232C	RS-485	Make/ Trigger	Area Maker	Safety Maker	Tally Lamp	Time code	CRC
DT-V24L1D	Gold		In/Out	Stereo		In/Out						
DT-V20L1D	Gold		In/Out	Stereo		In/Out						
DT-V17L2D	Gold		In/Out	Stereo		In/Out						
DT-V9L1D	Gold		In	Mono								

Suitable for a wide range of applications inclu

Photo: courtesy of Alfacam

this versatile new line-up of HD production monitors offers native

Easy to use because all the control panels are at the same level, regardless of monitor size.

DT-V17L2D

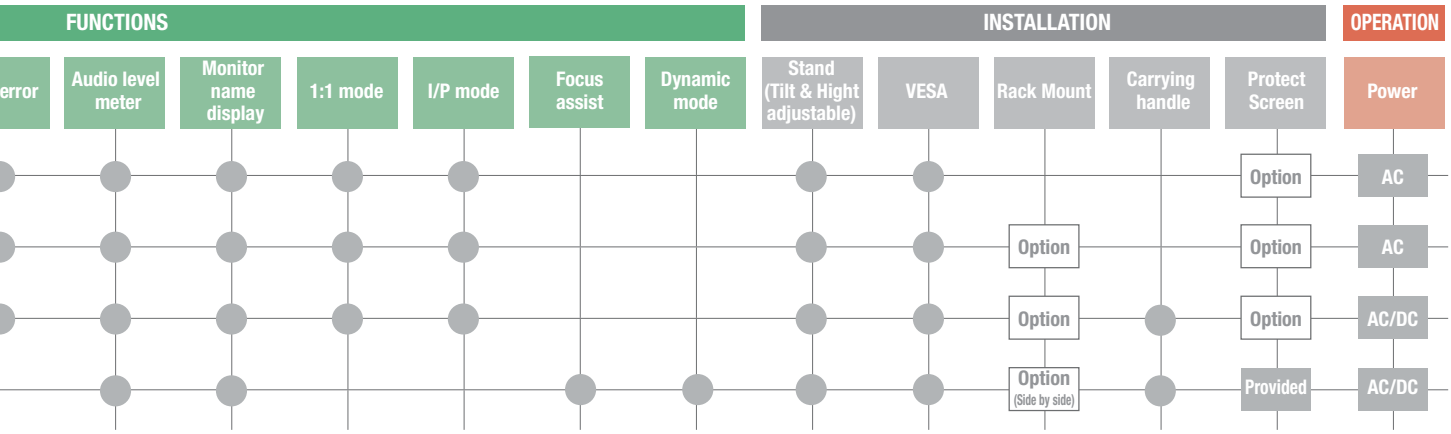
17" HD Multi-Format AC/DC Rack Mountable LCD Monitor

- 1440x900 pixels
- AC/DC operation
- 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

DT-V9L1D

9" HD Multi-Format AC/DC Rack Mountable LCD Monitor

- 800x480 pixels
- AC/DC operation
- Gold-plated HD/SD-SDI terminals with embedded audio
- High-performance LCD panel
- Status display in unused section of 15:9 panel
- Wide selection of video production functions
- Easy-to-operate front panel controls
- Rugged, adjustable stand provided
- Focus assist function



ding ENG, OB van, editing, studio and industrial

High quality pictures

■ Exclusive JVC image processing technology
We've taken our leading-edge image processing technology and refined it to meet the requirements of HD digital imaging systems. Featuring DT-V24L1D, DT-V20L1D, DT-V17L2D are 10-bit processors and DT-V9L1D is a 8-bit real-time processor, this new system delivers true professional performance, eliminating superfluous processing to ensure natural, analogue-style digital image reproduction, while optimising input conversion to maintain sharp, clear images at all times — even with fast-moving content. JVC's advanced technology also eliminates many of the problems inherent in digital circuits, such as diagonal jaggies, block noise, and mosquito noise, while our exclusive enhancer technology provides accurate image outline correction. The end result is clearly visible on the screen with smoother resolution and crisper, sharper images.

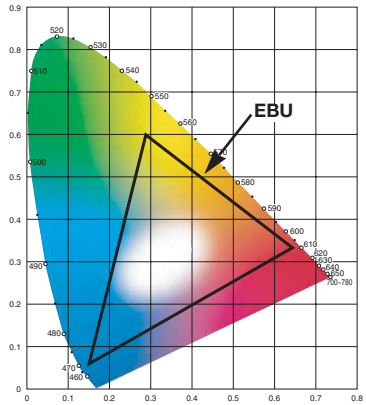
■ High-performance liquid crystal panels
Wide viewing angles, high brightness, and excellent focus and contrast performance set JVC's industry-leading DT-V series apart from the competition. In addition, these advanced LCD monitors feature minimal delay between input signal and image display, thus ensuring faithful picture reproduction.

■ Colour temperature setting
Three colour temperature settings are provided: 9,300°K, 6,500°K, and one user-defined setting.

■ Compatible with multiple HD/SD formats
The DT-V24L1D, DT-V20L1D, and DT-V17L2D are all equipped with a full set of HD-compatible inputs. These include two auto-sensing HD/SD inputs, one SDI switched output, and one set of component inputs/outputs. In addition, an HDCP-compatible DVI input is provided for PC connection. The DT-V9L1D is equipped with one auto-sensing HD/SD SDI input , one SDI switched output, and one set of component inputs/outputs.

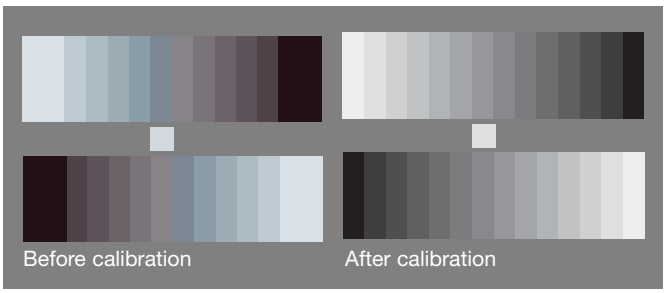
■ I/P mode
For film applications, a Cinema mode is provided, in addition to the NORMAL (frame-based) and FIELD (field-based) modes.

■ Faithful colour reproduction
Matrix parameters are set in response to the actual HD or SD input signal. This makes it possible to accurately reproduce colours in strict conformity with ITU standards without having to process colour signals. A chromatic range equivalent to EBU 100%, ensures colour reproduction that is virtually identical to the original.



INPUT SIGNAL FORMAT	Standard Setting	Preset Format
SDTV	ITU-R BT.601	PAL, NTSC, SECAM: 480i, 576i, 480p, 576p
HDTV	ITU-R BT.709	720p, 1035i, 1080i, 1080p

■ Gamma calibration
In professional video production, accurate image display is a must. By calibrating each unit's gamma at the factory before it is shipped, JVC is able to ensure extremely precise grey scale characteristics.



Convenient, user-friendly functions streamline your workflow

■ HD/SD SDI terminals

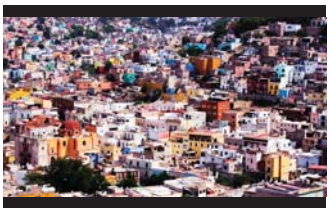
With two built-in multi-format auto-switching HD/SD-SDI inputs, the DT-V24L1D, DT-V20L1D, and DT-V17L2D can handle most types of HD signal (the DT-V9L1D has one multi-format HD/SD SDI input). Terminals are gold plated to prevent corrosion and signal loss. Embedded SDI audio is also supported.

Gold-plated connectors

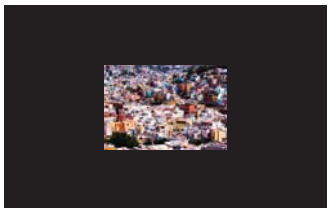
■ 1:1 Pixel scanning function

The 1:1 function facilitates pixel-by-pixel display. Input signals are displayed in their original format without scaling. In the case of the DT-V24L1D, this means that every single pixel in the original HD image can be displayed.

● 1:1 pixel scanning on 24" monitor



Showing 1080p signal



Showing 480i signal

■ Traditional front panel operation

Anyone used to working with a CRT monitor will find the front panel rotary controls immediately familiar. These convenient controls let you quickly adjust picture and volume, as well as providing fast, direct access to a variety of functions, thus enhancing productivity in any environment.

■ Various video production functions

A variety of functions have been provided to support creative video production. These include: area markers compatible with different aspect ratios (4:3, 16:9, 14:9, 13:9, 2.35:1, 1.85:1, and 1.66:1), safe area markers (80%-100%; variable in steps of 1%), 16:9 / 4:3 aspect ratio switching, screen check functions that display R,G and B signals separately, and two-colour tally lamps (red and green).

Aspect (16:9)

Safety marker (16:9)

Area marker (16:9)

Aspect (16:9) with area marker (4:3) in the halftone mode

Aspect (4:3)

Safety marker (4:3)

■ No sync action

The power-saving screen mode (activate when no sync signal is input) can be set to Suspend, Grey Background, or Off.

■ Time code display function

Time code ON

Time code OFF

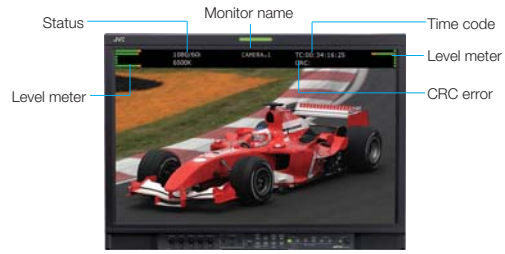
The display of time code embedded in SDI signals is turned on or off with this function.

■ Status display

Status information is displayed in the blank area above the active picture display. (except with PC signals) The use of 16:10* panels allows status information to be displayed with no loss of picture elements.

* 15:9 in the case of the DT-V9L1D.

● DT-V24L1D/DT-V20L1D



Status off/auto Large text ON

● DT-V17L2D

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

● DT-V9L1D

The level meter can be displayed at either the upper or lower part of the screen. (selectable)

■ Built-in stereo speakers (excluding DT-V9L1D)

■ Optional EIA rack mount adapter (excluding DT-V24L1D)

Easy installation

■ Compact, all-in-one design
Thanks to a slim, space-saving, all-in-one design, these monitors can be installed easily on any wall, shelf, or rack and in a variety of locations such as an OB van, studio control room, or editing studio.

■ VESA-compliant design
VESA-standard screw holes of 100mm x 100mm pitch are provided. The rigidly constructed rear panel makes all the monitors eminently suitable for wall mounting.

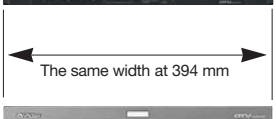
Photo: DT-V24L1D

■ Rack-mounted design
The DT-V20L1D is designed to fit on the optional RK-C20D1, at a height of 9U. The DT-V17L2D can be installed in a standard EIA rack at a height of 8U with a width of 17", the same as a CRT. As for the DT-V9L1D, two units can be rack mounted side by side within a standard EIA rack at a height of 4U.


DT-V20L1D and RK-C20D1


RK-C20D1

DT-V17L2D




DT-V1710CG

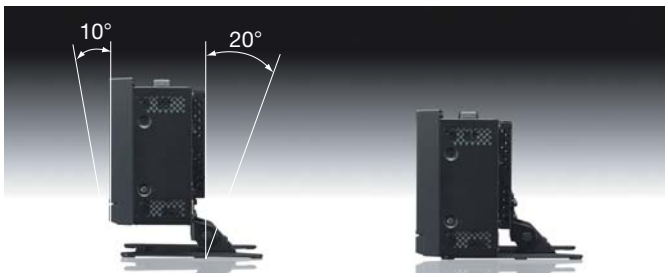
■ Adjustable stand
The metal table-top stand can be tilted up or down by 6° for easier viewing and more flexible installation. When height is restricted the monitor frame can also be installed directly on a shelf or platform simply by removing the stand. The DV-9L1D can be tilted 10° forward and 20° backward even when batteries are installed, permitting easier image confirmation.

● **DT-V24L1D/DT-V20L1D/DT-V17L2D**

As a conventional desktop stand, showing 6° of tilt in both directions


As a rear support when monitor is resting directly on a flat surface

● **DT-V9L1D**



Can be tilted 10° forward and 20° backward

Can be placed directly on a flat surface and tilted in a confined space.


Photo: courtesy of Alfacam


Photo: courtesy of Alfacam

Battery Powered Operation Enhances Mobility

■ Dual power source

The DT-V17L2D and DT-V9L1D can be powered by a standard AC connection or by 12V DC batteries (IDX, Anton Bauer or PAG) installed in the back panel. This dual power system makes these two monitors extremely versatile, enabling HD image review in the field.

● DT-V17L2D

● DT-V9L1D

The DT-V9L1D's stand can be tilted even when batteries are installed, permitting easier image confirmation. and does not fall down.

System flexibility

■ 4-way remote control

The remote control system can be selected from make-contact, trigger-pulse, RS-485 (excluding DT-V9L1D), and RS-232C methods.

■Functions controlled by MAKE/TRIGGER system

Display	Functions to be controlled	DT-V24L1D	DT-V20L1D	DT-V17L2D	DT-V9L1D
COLOUR OFF	Colour off	✓	✓	✓	✓
ASPECT	Changes the aspect ratio.	✓	✓	✓	✓
A.MARKER	AREA MARKER display	✓	✓	✓	✓
S.MARKER	SAFETY MARKER display	✓	✓	✓	✓
TIME CODE	Time code display	✓	✓	✓	
1:1	Displays in 1:1 mode.	✓	✓	✓	
SCR CHECK*1	Screen check	✓	✓	✓	✓
I/P MODE*2	IP MODE	✓	✓	✓	
SDI 1	Changes the input to SDI 1.	✓	✓	✓	✓
SDI 2	Changes the input to SDI 2.	✓	✓	✓	
DVI	Changes the input to DVI.	✓	✓	✓	
COMP. /RGB	Changes the input to COMPO. /RGB.	✓	✓	✓*3	✓*4
VIDEO 1	Changes the input to VIDEO 1.	✓	✓	✓	
VIDEO 2	Changes the input to VIDEO 2.	✓	✓		
EXT.SYNC	Changes the sync signal.	✓	✓		
TALLY	Controls the tally lamp.	✓	✓	✓	✓
TALLY SEL	Selects the colour of the tally lamp.	✓	✓	✓	✓
MONI. NAME	MONITOR NAME	✓	✓	✓	✓
MUTING	Muting on/off	✓	✓	✓	✓
MARK.SEL	Selects the items of AREA MARKER.	✓	✓	✓	✓
L.METER	Audio level meter display	✓	✓	✓	✓
STATUS	Status display	✓	✓	✓	✓
- - -	No function	✓	✓	✓	
FOCUS ASSIST	Focus adjustment				✓
DYNAMIC	Optimisation of the brightness				✓
COLOUR RANGE MODE	Reduction of the gradation step				✓

Photo: DT-V24L1D, DT-V20L1D and DT-V17L2D

*For customization, select 8 functions and assign them to 8 pin terminals. *1,2: TRIGGER pulse control only *3: Component only *4: Video/component*

Rugged, durable design

■ Connector protection structure

To prevent any damage to the control panel, it is protected by a speaker grille and reinforced edge design. The rear panel connectors are protected by a concave design. This slim, efficient construction is both practical and safe.

■ Metal rear cabinets

Rugged metal rear cabinets provide excellent heat radiation and greater durability.

■ Screen protection filter (option)

To keep the LCD panel clean and protect it from scratches or damage, optional screen protection filters are available. These protection filters also suppress reflections from the panels when under bright light. The DT-V9L1D is provided with a protection filter as standard.

■ Convenient grip handles

The DT-V17L2D and DT-V9L1D are fitted with convenient grip handles that make them easy to pick up and move

DT-V17L1D

DT-V9L1D

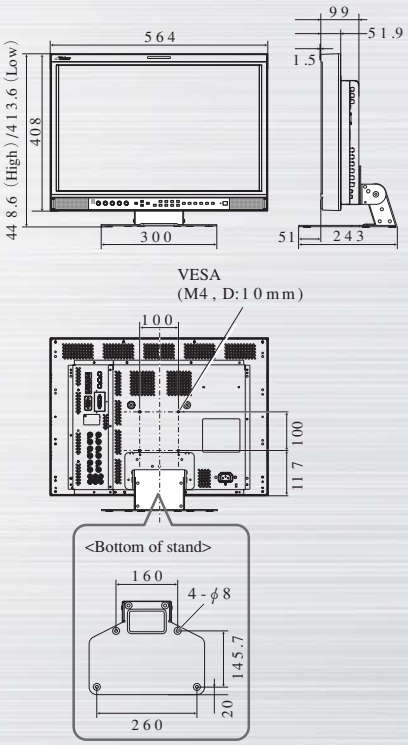
Input Format/Front Control Panel/Option/Dimensions

DT-V24L1D

■ 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	✓
SECAM	✓	—	—	—	SVGA60	✓
BW(50Hz/60Hz)	✓	—	—	—	XGA60	✓
480/60i	—	✓	✓	—	W-XGA60 (1280 x 768)	✓
576/50i	—	✓	✓	—	SXGA60 (1280 x 1024)	✓
480/60p	—	✓	—	✓	1920 x 1080@60	✓
576/50p	—	✓	—	✓	1280 x 720@60	✓
640 x 480@60	—	—	—	✓	W-SXGA+60 (1680 x 1050)	✓
720/24p, 25p, 30p, 50p, 60p	—	✓	✓	✓	U-XGA60(1600 x 1200)	✓
					W-UXGA60 (1920 x 1200)	✓
1080/50i, 60i	—	✓	✓	✓		
1035/60i	—	✓	✓	—		
1080/24p, 25p, 30p	—	✓	✓	✓		
1080/24psf, 30psf	—	✓	✓	—		

■ Dimensions



■ Option

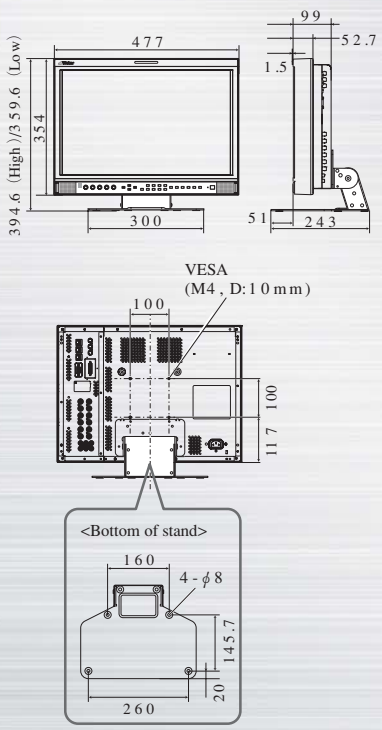
- **TS-W24F1 (Protective screen)**

DT-V20L1D

■ 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	✓
SECAM	✓	—	—	—	SVGA60	✓
BW(50Hz/60Hz)	✓	—	—	—	XGA60	✓
480/60i	—	✓	✓	—	W-XGA60 (1280 x 768)	✓
576/50i	—	✓	✓	—	SXGA60 (1280 x 1024)	✓
480/60p	—	✓	—	✓	1920 x 1080@60	✓
576/50p	—	✓	—	✓	1280 x 720@60	✓
640 x 480@60	—	—	—	✓	W-SXGA+60 (1680 x 1050)	✓
720/24p, 25p, 30p, 50p, 60p	—	✓	✓	✓	U-XGA60(1600 x 1200)	✓
					W-UXGA60 (1920 x 1200)	✓
1080/50i, 60i	—	✓	✓	✓		
1035/60i	—	✓	✓	—		
1080/24p, 25p, 30p	—	✓	✓	✓		
1080/24psf, 30psf	—	✓	✓	—		

■ Dimensions



■ Option

- **TS-W20F1 (Protective screen)**
- **RK-C20D1 (Rack mount adapter)**

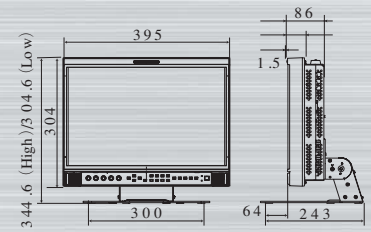
■ DT-V24L1D/DT-V20L1D Front control panel

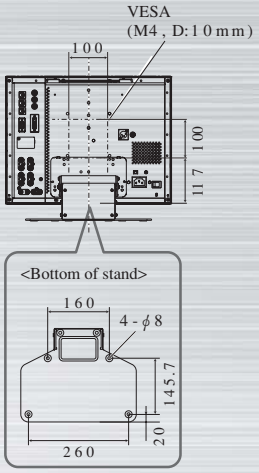
DT-V17L2D

■ 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	✓
SECAM	✓	—	—	—	SVGA	✓
BW(50Hz/60Hz)	✓	—	—	—	XGA60	✓
480/60i	—	✓	✓	—	W-XGA60 (1200 x 760)	✓
576/50i	—	✓	✓	—	SXGA60 (1280 x 1024)	✓
480/60p	—	✓	—	✓	1920 x 1080@60	✓
576/50p	—	✓	—	✓	1280 x 720@60	✓
640 x 480@60	—	—	—	✓	W-SXGA+60 (1680 x 1050)	✓
720/24p, 25p,30p	—	✓	✓	—	U-XGA60(1600 x 1200)	✓
720/50p, 60p	—	✓	✓	✓	W-UXGA60 (1920 x 1200)	✓
1080/50i, 60i	—	✓	✓	✓		
1035/60i	—	✓	✓	✓		
1080/24p, 25p, 30p	—	✓	✓	✓		
1080/24psf, 30psf	—	✓	✓	—		

■ Dimensions





■ Option

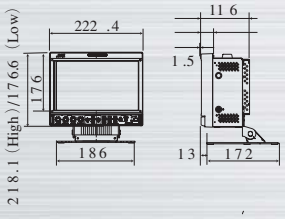
- **TS-W17F1 (Protective screen)**
- **RK-C17D1 (Rack mount adapter)**

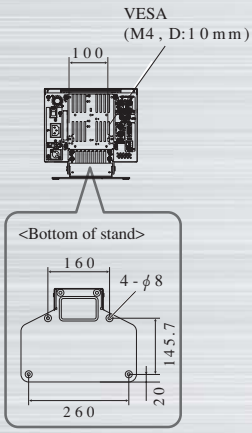
DT-V9L1D

■ Input format

VIDEO	Input terminals		
Signal name	Video	Component/ RGB	HD/SD SDI
NTSC	✓	—	—
PAL	✓	—	—
SECAM	✓	—	—
BW(50Hz/60Hz)	✓	—	—
480/60i	—	✓	✓
576/50i	—	✓	✓
480/60p	—	✓	—
576/50p	—	✓	—
720/50p, 60p	—	✓	✓
1080/50i, 60	—	✓	✓
1080/24psf	—	✓	✓

■ Dimensions





■ Option

- **RK-C9D1 (Rack mount adapter)**

■ DT-V17L2D Front control panel

■ DT-V9L1D Front control panel

SPECIFICATIONS

Model		DT-V24L1D	DT-V20L1D	DT-V17L2D	DT-V9L1D
Type		Multi-format HDTV/SDTV LCD display monitor			
Screen Size		Type 24 wide format	Type 20 wide format	Type 17 wide format	Type 9 wide format
Aspect Ratio		16:10			15:9
LCD Panel		24" wide, active matrix TFT	20" wide, active matrix TFT	17" wide, active matrix TFT	9" wide, active matrix TFT
Effective Screen Size (W x H)		51.84 x 32.4 cm	43.34 x 27.09 cm		19.5 x 11.7 cm
Pixels		1920 x 1200 (W-UXGA)	1680 x 1050 (W-SXGA+)	1440 x 900 (W-SXGA+)	800 x 480 (WVGA)
Display Colours		16.7 millon			approx. 16.2 millon
Viewing Angle	Horizontal	176˚	170˚	120˚	170˚
	Vertical	176˚	170˚	140˚	170˚
Brightness		400 cd/m²			350 cd/m²
Contrast Ratio		1000:1	800:1	600:1	400:1
Response Time		8 msec.		—	—
Horizontal/Vertical Frequency (PC signals)	Horizontal	31.469 kHz to 75.000 kHz			—
	Vertical	60 Hz ± 5 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)			1 W (Mono)
Environmental Conditions	Operating temperature	0˚C to 40˚C			
	Operating humidity	20% to 80% (non condensing)			
Power Requirements		AC 120/220-240 V, 50/60 Hz		AC 120/220-240 V, 50/60 Hz/DC 12 V	
Rated Current		0.67 A	0.60 A		0.4 A (AC 100 V), 1.7 A (DC 12 V)
Dimensions (WxHxD)	With desktop stand	564 x 448.6 x 243 mm	477 x 394.6 x 243 mm		222.4 x 217.5 x 202 mm
excluding protrusions)	Without stand	564 x 408 x 99 mm	477 x 354 x 99 mm	395 x 304 x 86 mm	222.4 x 176 x 116 mm
Weight	Excluding stand	8.7 kg			
	Including stand	11.6 kg	10.3 kg		
Provided Accessories		AC power cord, power cord holder, screw x 2 (for power cord holder)			Protective screen, screw x4 (for protective scren), AC power cord, power cord holder, screw x 2 (for power cord holder)
Options		Protective screen	Protective screen/rack mounter adapter		Rack mounter 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			—	—
	VIDEO/COMPO.	—			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 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)
	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)		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)	Digital signal output (compatible with EMBEDDED AUDIO): 1 line (switched out), BNC x 1			Digital signal output (compatible with EMBEDDED AUDIO):1 line, BNC x 1
Audio	AUDIO ASSIGN (IN1)	Analogue audio signal input: 1 line, RCA x 2, 500 mV (rms), high impedance		Analogue audio signal input: 1 line, RCA x 2, 500 mV (rms), high impedance	Analogue audio signal input: 1 line, RCA x 1, 500 mV (rms), high impedance
	AUDIO ASSIGN (IN 1)			—	—
	AUDIO ASSIGN (MONITOR OUT)	Analogue audio signal output: 1 line, RCA x 2, 500 mV (rms)			Analogue audio signal output: 1 line, RCA x 1, 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			

All pictures are simulated. *E & O E. Design and specifications subject to change without notice.*

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