17” Multi-Format LCD Monitor

DT-V17G25

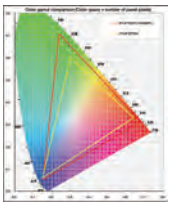
Note: Histogram, Vector Scope and Waveform cannot be displayed at the same time.

JVC's Near EBU Grade 1 LCD monitor DT-V17G25 offers outstanding color gamut, gamma and grayscale characteristics, making it suitable for field, studio and broadcast image evaluation. Its 10-bit panel and wide gamma range make it ideal for critical image evaluation.

Highlights

Near Grade 1 LCD Monitor

The DT-V17G25 is a near EBU Grade 1 LCD monitor. In addition to color gamut, luminance ranges and color temperature that meet EBU specs, two critical factors — gamma and grayscale performances — were also improved to satisfy the discerning requirements of studio and professional applications.



- **Color gamut modes:** ITU-709 (default), Adobe RGB and User (DCI).

High Picture Quality

The DT-V17G25 reproduces highly accurate colors in native 1920 x 1080 resolution. The two most critical factors, gamma and grey-scale gradation, have been improved to meet the demands of production studios and broadcast networks.

- **High 1500:1 Contrast Ratio 10-bit IPS (In –Plane Switching) Panel:** The monitor is equipped with a 10-bit IPS LCD panel, which surpasses the EBU Class 2 requirements in terms of color space, gamma and gradation and is capable of reproducing 1.073 billion colors. It also offers a contrast ratio of 1500:1, wide gamut, and wide viewing angles of 178°/178°.
- **Analog-based Picture-quality Evaluation Technology** plus **Contour Enhancer Technology** to help eliminate digital aliasing to make pictures look more natural.
- **Optimized I-P conversion** maintains sharp and clear images.
- **Gamma and White Balance adjustments** are set before leaving the factory to maintain quality control for all models.
- Accurate color reproduction: **Individual Matrix Parameters** assigned for HD and SD input signals plus EBU100% equivalent color spectrum.

Connectivities

- **3G-SDI & Dual Link:** 1080p uncompressed digital video data transmitted at a maximum rate of 60 frames/sec. at 3 GB/sec. can be input with two HD-SDI inputs. It is also compatible with Dual Link.

3G-SDI Input Format

3G A-1 to 3G A-4	Level A mapping structure 1 to 4
3G B-DS1 and 3G B-DS2	Level A mapping stream 1 and 2
3G B-DUAL	Level B DUAL LINK

Assist Functions for Professionals

- **Histogram [NEW]:** Displays the number of pixels on the vertical axis, and brightness of the video on the horizontal axis.

- **Lissajous Meter [NEW]:** Displays coherence between two audio channels, which useful in showing the stereo field of a signal and possible phase issues.

- **Waveform:** Displays images by detecting brightness signal from video, component and SDI signals. Confirmation of individual color signal level for R/G/B, Y/PB/PR, and Y/CB/CR. At-a-glance peak brightness with Over-level function.
- **Vector Scope:** Simple checking of hue and saturation of video signal can be detected and displayed. Work with video, component, SDI (SD/HD) input signals.
- **Audio Level Meter:** Allows checking the status of HD-SDI embedded audio up to 16 ch inputs by displaying the channel number, reference and over levels, and peak hold.

● Array of Markers and Indicators: Area, aspect ratio, safety etc. ● Equipped with 4 Gamma Preset Modes ● Assignable Function Keys F1 and F2

DT-V G Series

17" Multi-Format LCD Monitor

- Built-in Histogram, Waveform, Vector Scope, Zebra
- Built-in Audio Level Meter up to 16ch/Lissajous Meter
- Enable to preset 3 picture settings such as Gamut or Gamma
- IMD (in monitor display)
- Assign favorite items to Convenient Function Keys
- Full HD resolution: 1920 x 1080 pixels
- 10-bit IPS panel with 1.073 billion color reproduction
- Supports the EIA/CEA-708 and EIA/CEA-608 SDI closed captioning standards (only North America model)

Other features

- Color Temperature settings (9,300K, 6,500K, 5,600K or User mode)
- IP modes: Normal, Cinema (24p)
- Pixel-by-pixel (1:1) display
- Time code display (SDI)
- Built-in stereo speaker
- Tiltable stand with 2-way installation capability
- Carrying Handle

Rear terminals

Front Panel Controls

Input format

✓: Compatible
—: Not compatible

No.	Signal name	Input Terminal					
		Video	COMP.	3G/HD/SD SDI (IN1,IN2)			HDMI
				SD/HD	3G-SDI	DUAL LINK	
1	NTSC	✓	—	—	—	—	—
2	NTSC 4.43	✓	—	—	—	—	—
3	PAL-M	✓	—	—	—	—	—
4	PAL60	✓	—	—	—	—	—
5	PAL	✓	—	—	—	—	—
6	PAL-N	✓	—	—	—	—	—
7	SECAM	✓	—	—	—	—	—
8	B/W50	✓	—	—	—	—	—
9	B/W60	✓	—	—	—	—	—
10	480/60i	—	✓	—	—	—	✓
11	480/59.94i	—	✓	✓	—	—	✓
12	576/50i	—	✓	✓	—	—	✓
13	480/60p	—	✓	—	—	—	✓
14	480/59.94p	—	✓	—	—	—	✓
15	576/50p	—	✓	—	—	—	✓
16	640x480/60p	—	—	—	—	—	✓
17	640x480/ 59.94p	—	—	—	—	—	✓
18	720/60p	—	✓	✓	✓	—	✓
19	720/59.94p	—	✓	✓	✓	—	✓
20	720/50p	—	✓	✓	✓	—	✓
21	720/30p	—	—	✓	✓	—	—
22	720/29.97p	—	—	✓	✓	—	—
23	720/25p	—	—	✓	✓	—	—
24	720/24p	—	—	✓	✓	—	—
25	720/23.98p	—	—	✓	✓	—	—
26	1080/60i	—	✓	✓	✓	✓	✓
27	1080/59.94i	—	✓	✓	✓	✓	✓
28	1035/60i	—	—	✓	—	—	✓
29	1035/59.94i	—	—	✓	—	—	✓
30	1080/50i	—	✓	✓	✓	✓	✓
31	1080/60p	—	✓	—	✓	✓	✓
32	1080/59.94p	—	✓	—	✓	✓	✓
33	1080/50p	—	✓	—	✓	✓	✓
34	1080/30p	—	—	✓	✓	✓	✓
35	1080/29.97p	—	—	✓	✓	✓	✓
36	1080/25p	—	—	✓	✓	✓	✓
37	1080/24p	—	—	✓	✓	✓	✓
38	1080/23.98p	—	—	✓	✓	✓	✓
39	1080/30PsF	—	—	✓*	✓	✓	—
40	1080/29.97PsF	—	—	✓*	✓	✓	—
41	1080/25PsF	—	—	✓*	✓	✓	—
42	1080/24PsF	—	—	✓	✓	✓	—
43	1080/23.98PsF	—	—	✓*	✓	✓	—

Note: PC signals are compatible with major formats. The monitor is capable of displaying 2048 x 1080/24p (DCI 2K) signal.
*Status information will appear as interrace signal.

Specifications

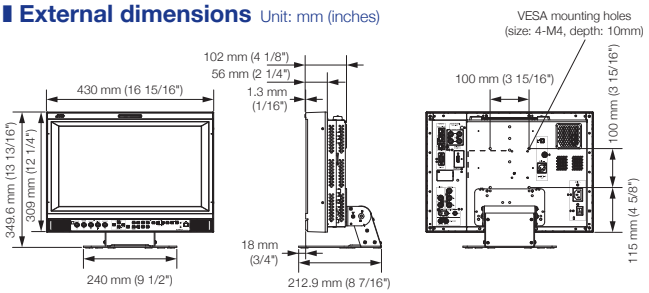
Model		DT-V17G25
Type		Multi-format LCD monitor
Screen Size		17 inches, measured diagonally (Visible: 16.5 inches/42cm)
Aspect Ratio		16:9
LCD Panel		17" diagonal, active matrix TFT
Effective Screen Size (W x H)		365.8 x 205.7 mm (14-7/16" x 8-1/8")
Pixels		1920 x 1080
Display Colors		1.073 billion
Viewing Angle	Horizontal / Vertical	178° / 178°
Brightness (typ.)		450 cd/m2
Contrast Ratio (typ.)		1500:1
Applicable Standard		3G SDI (Ready): SMPTE424M/SMPTE425M; DUAL LINK HD SDI (Ready): SMPTE372M; HD SDI: BTA S-004C, 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 (41°F to 95°F)
	Operating humidity	20% to 80% (non condensing)
	Storage temperature	-20°C to 60°C
Energy Efficiency Class		D
Power Requirements		AC 120 V/220 V – 240 V, 50/60 Hz
Rated Current	North America	0.55 A (AC 120 V)
	Europe	0.33 A (AC 220 – 240 V)
Power Consumption		On-mode: 29.7 W; Stand-by mode: 0.3 W; Annual Energy Consumption: 44 kWh/year*
Dimensions (WxHxD) excluding protrusions	With stand	430 x 349.6 x 212.9 mm (16-15/16" x 13-13/16" x 8-7/16")
	Without stand	430 x 309 x 102 mm (16-15/16" x 12-3/16" x 4-1/16")
Weight	With stand	8.3 kg (18.3 lbs)
	Without stand	5.9 kg (13 lbs)
Provided Accessories		AC power cord x 1, power cord holder x 1, screw x 2 (for power cord holder), instruction manual x 1, core filter x1 (only for N. America), CD-ROM (instructions PDF file) x 1 (only for Europe)

*Energy consumption 44 kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is use.

Input/output connectors

Video	3G/HD/SD/SDI (Out 2: SWITCHED OUT)	Digital signal input (compatible with EMBEDDED AUDIO signals): 1 line switched out, BNC connector x 1
	3G/HD/SD SDI (OUT 1)	Digital signal input (compatible with EMBEDDED AUDIO signals): 1 line, BNC connector x 1
	3G/HD/SD SDI (IN 1) 3G/HD/SD SDI (IN 2)	Digital signal input (compatible with EMBEDDED AUDIO/DUAL LINK signals): Auto detection, 2 lines BNC connector x 2
	Component (Y, PB/B-Y, PR/R-Y)	IN: 1 Line Y: 1 V (p-p), 75 ohms (with sync) PB/B-Y, PR/R-Y: 0.7 V (p-p), 75 ohms
	HDMI	IN: x1 (Compatible with HDCP)
	VIDEO	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)
Audio	AUDIO ASIGN (IN 1) AUDIO ASIGN (IN 2)	Analog audio signal input: 2 lines, RCA connector x 2, Stereo mini jack x 1, 500 mV (rms), high impedance
	AUDIO ASSIGN (MONITOR OUT)	Analog audio signal output: 1 line, RCA x 2, 500 mV (rms)
External Control	MAKE/TRIGGER	RJ-45
	RS-485	RJ-45
	RS-232C	D-sub (9-pin)

External dimensions Unit: mm (inches)



JVCKENWOOD

DISTRIBUTED BY

ICN-0421