



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

JVC's DT-V24G2 is a versatile LCD production monitor designed for field, studio and broadcast image evaluation. Its 10-bit panel and wide gamma range make it ideal for critical image evaluation.

### Highlights

#### High Picture Quality

The DT-V24G2 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

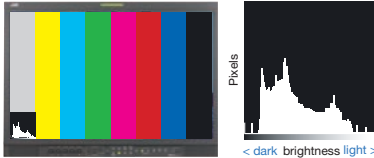

- **3G-SDI & Dual Link:** 1080p uncompressed digital video data transmitted at a maximum rate of 60 frames/sec. at 3 GB/sec. can be input with two HD-SDI inputs. It is also compatible with Dual Link.

##### 3G-SDI Input Format

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

Refer to the rear page for a list of connectors and compatible video signal formats.

#### 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 markers, aspect ratios, safety markers, and aspect switching, as well as screen check function, and two tally (R and G) lamps.
- Equipped with **4 Gamma Preset Modes**
- Assign customized function to F1 and F2 buttons with **Convenient Function Keys**

# DT-V G Series

## 24" 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)

### Other features

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

### Rear terminals



- Assign favorite items to Convenient Function Keys
- WUXGA resolution: 1920 x 1200 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)

### Specifications

Model		DT-V24G2
Type	Multi-format LCD monitor	
Screen Size	24 inches, measured diagonally (Visible: 24 inches/61 cm)	
Aspect Ratio	16:10	
LCD Panel	24" diagonal, active matrix TFT	
Effective Screen Size (W x H)	518.4 x 324 mm (20-7/16" x 12-13/16")	
Pixels	1920 x 1200	
Display Colors	1,073 billion	
Viewing Angle	Horizontal / Vertical	178° / 178°
Brightness (typ.)	400 cd/m <sup>2</sup>	
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	C	
Power Requirements	AC 120 V/220 V - 240 V, 50/60 Hz	
Rated Current	North America	0.72 A (AC 120 V)
	Europe	0.42 A (AC 220 - 240 V)
Power Consumption	On-mode: 38.9 W; Stand-by mode: 0.29 W; Annual Energy Consumption: 57 kWh/year*	
Dimensions (WxHxD)	With stand	564 x 448.6 x 243 mm (22-1/4" x 17-11/16" x 9-5/8")
	Without stand	564 x 408 x 98.7 mm (22-1/4" x 16-1/8" x 3-15/16")
Weight	With stand	10.6 kg (23.4 lbs)
	Without stand	7.7 kg (17 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 x 1 (only for N. America), CD-ROM (instructions PDF file) x 1 (only for Europe)	

\*Energy consumption 57 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 format

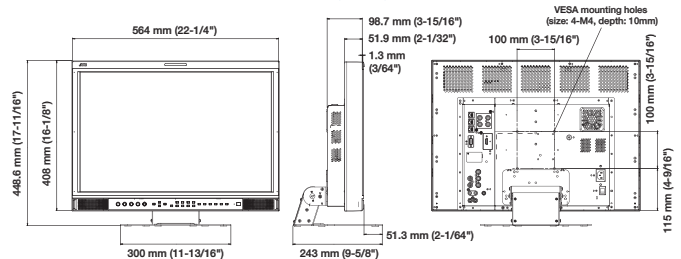
No.	Signal name	Input Terminal					
		Video	COMP.	SD/HD	3G-SDI	DUAL LINK	HDMI
1	NTSC	✓	—	—	—	—	—
2	NTSC 4.43	✓	—	—	—	—	—
3	PAL-M	✓	—	—	—	—	—
4	PAL60	✓	—	—	—	—	—
5	PAL	✓	—	—	—	—	—
6	PAL-N	✓	—	—	—	—	—
7	SECAM	✓	—	—	—	—	—
8	B/W50	✓	—	—	—	—	—
9	B/W60	✓	—	—	—	—	—
10	480/60i	—	✓	—	—	—	✓
11	480/59.94i	—	✓	—	—	—	✓
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	1035/60i	—	✓	✓	✓	✓	✓
31	1035/59.94i	—	✓	✓	✓	✓	✓
32	1080/50i	—	✓	✓	✓	✓	✓
33	1080/60p	—	✓	✓	✓	✓	✓
34	1080/59.94p	—	✓	✓	✓	✓	✓
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.

### 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)	Digital signal input (compatible with EMBEDDED AUDIO/DUAL LINK signals): Auto detection, 2 lines BNC connector x 2
	3G/HD/SD/SDI (IN 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	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 ASSIGN (IN 1) AUDIO ASSIGN (IN 2) AUDIO ASSIGN (MONITOR OUT)
Audio	AUDIO ASSIGN (IN 1)	Analog audio signal input: 2 lines, RCA connector x 2, Stereo mini jack x 1, 500 mV (rms), high impedance
	AUDIO ASSIGN (IN 2)	
	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)



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