

JVC®

The Perfect Experience / —

HDTV MONITORS, 19" and 17"

DT-V1910CG

DT-V1710CG

Totally Flat Screen. Wide Range of User-Selectable Input Cards.

- Multi-format capability HDTV/SDTV
- Big-screen design in compact package
- EIA rack mountable: 19" (9U), 17" (8U)
- Natural Flat CRT
- 900 TVL (19") and 800 TVL (17") resolution
- Supports 1080/24psF cinema format
- Selectable aspect ratio 16:9/4:3
- Wide selection of input cards to occupy the 3 blank connection slots
- HV separation & IK feedback for picture stability
- Area and Safety Marker settings
- Audio Level Indication on Screen (option)
- Equipped with 2-colour Tally Lamp
- Rotation function
- Remote control via Contact closure, Trigger or RS-485
- Rush-current Delay function
- Multi-voltage 120/220/230 V



The Ultimate Studio High-Definition Video

JVC's advanced HDTV monitors offer extensive multi-format compatibility and pristine high-resolution images on a natural flat-screen CRT, housed in a compact, stylish cabinet. Included in the superior level of performance is support for the new cinema and digital film format of 1080/24psF, which meets the growing requests from broadcasters and film professionals alike. With three slots available for plug-and-play input cards, instantaneous on-site upgrade is readily achieved, with possible input signals from HD-SDI, SDI, Component/RGB and video. Whether HD-SDI or standard SDI, there are cards to handle embedded audio, audio level meter and auto input functions. JVC sets you up today, to satisfy your needs of tomorrow.

HDTV/SDTV Format Compatibility

These monitors are compatible with all major DTV formats (480i, 576i, 480p, 576p, 1080i, and 720p), and also accept signals in 1080/24psF cinema mode, making them ideal for TV producers, broadcasters, and video professionals processing movie stock captured at 24 frames-per-second. Offering support of 720/50p and 576/50p, they can be readily integrated into PAL based environments.

Big-Screen Display in Rugged, Compact Cabinet

JVC's stylish DT-V1910CG comes in a tough metal cabinet. The monitor features a 16:9 aspect 19" display, with an effective viewing area which is 40% larger than a conventional 17" monitor. Likewise, the DT-V1710CG offers a 16:9 aspect 17" display while maintaining the same dimensions as a conventional 15" monitor.

Natural Flat-Screen CRT

These high-performance monitors deliver high resolution — 900 TV lines of horizontal resolution for DT-V1910CG and 800 TV lines of horizontal resolution for DT-V1710CG — on a Natural Flat-screen CRT (Aperture Grille and 3 Electron Guns) with both high contrast and high brightness. That translates into accurately rendered high-definition images which reveal the smallest detail with astonishing clarity. In turn, this also means reduced eyestrain when viewing the display closely for long periods, such as when performing specialist editing tasks.

High-Voltage Separation Circuit

To achieve professional-level image stability on screen, the monitor employs a high-voltage/deflection separation circuit.

White Balance Stability

The natural flat-screen CRT employs an IK feedback system which provides exceptional colour stability over a very long period of time.

Optional Cards



IF-C01PNG
VIDEO INPUT CARD



IF-C01COMG
COMPONENT/RGB INPUT CARD



IF-C01SDG
SDI INPUT CARD



IF-C21SDG
SDI INPUT CARD
• Embedded Audio (8 ch)



IF-C51SDG
SDI INPUT CARD
• Embedded Audio (8 ch)
• Audio Level Indication



IF-C21HSDG
HD SDI INPUT CARD
• Embedded Audio (8 ch)



IF-C51HSDG
HD SDI INPUT CARD
• Embedded Audio (8 ch)
• Audio Level Indication



IF-C61HSDG
HD SD-SDI INPUT CARD
• HD/SD Compatible
• Embedded Audio (8 ch)
• Audio Level Indication



IF-C12HSDG
HD SDI INPUT CARD
• Embedded Audio (8 ch)

• AES/EBU Digital Audio Output (8 ch)

Display — Natural Flat-Screen, Monitor in an Ultra Compact Package

16:9 Bezel

These models come with a 16:9 bezel as a standard accessory, which can be attached when using the display as an HDTV monitor.



Front Panel Controls featuring Advanced Ergonomics

The front panel controls are ergonomically designed and rotate smoothly. They allow fast and simple adjustment of key image parameters such as Brightness, Phase, Chroma and Contrast.

Extended Multi-Standard Compatibility with Optional Input Cards (Plug & Play)

Besides the signals of all major digital formats, these monitors will automatically detect and accept an incoming PAL or NTSC signal. Users can customise the monitor by inserting optional input cards into the 3 input slots provided. There are 9 input cards available which together cover virtually every possible input combination including HD-SDI, SDI, Component/RGB and Video (see chart below). Each card is automatically recognised when inserted into an input slot.

Wide Selection of Control Functions

Underscan, Aspect Ratio, Colour Off, Switchable Area Marker are just some of the control functions which lend this DTV monitor for use in professional TV production.

CE and UL Regulatory Approval

Approved under CE (Europe) and UL (USA) regulatory standards.

Rush-Current Delay

Once activated, JVC's special Rush-Current Delay function reduces the load on the studio mains power supply when a number of units are powered up simultaneously. The operator can set delay times for individual monitors in a range from 0 to 3 seconds.

Variable Aspect Ratio and Area & Safety Markings

In addition to offering 16:9 and 4:3 image display selectability, there is also a choice of Area Markings when in 16:9 mode, selectable between 14:9, 13:9, 4:3 or none, with switchable line/black/mat (half) modes for each. The Safety Marker function displays 80%, 88% or 90% of the area (in either 16:9 or 4:3).

Remote Control Capabilities

Remote control is possible via RS-485 (9-pin D-sub), MAKE (contact closure) or TRIGGER (15-pin D-sub). With the RS-485 interface, cascaded connection (0 through 99) and daisy chain connection are possible. Controllability covers Input Selection A to F, Tally Lamp, Colour Off, Area Marker, Aspect Ratio, Underscan and Status Display. This allows the monitor to be controlled by a PC via serial communication.

Selectable (Green/Red) Colour of Tally Lamp

The colour, which is displayed when the tally lamp is on, can be set to either red or green.

HD/SD Compatible Interface

By installing the optional IF-C61HSDG input card, these monitors will offer Embedded Audio compatibility for reception of 8 digital audio channels, and HD/SD input compatibility to link with either type of source material.

AES/EBU Digital Audio Output

The optional IF-C61HSDG input card supports decombined output of embedded audio (8ch), with 4 sets of 2ch outputs respectively. Also equipped are 2 sets (L/R) of analogue output (RCA) terminals.

Audio Level Indication on Screen

The optional IF-C61HSDG input card also enables display of an on-screen audio level meter indication. (IF-C51HSDG and IF-C51SDG offer HD level meter and SD level meter display respectively.)

Power Cord Holder for Preventing Accidental Disconnection

The provided Power Cord Holder prevents accidental disconnection of the AC power cord from the AC inlet.

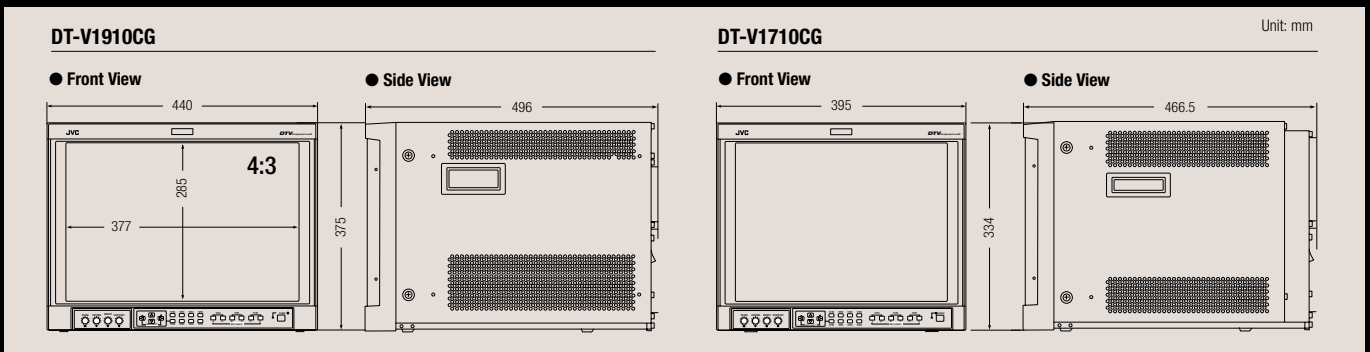
IN/OUT	Composite (VBS)		Video (Y/C or S)		Component (Y, R-Y, B-Y)		Analogue RGB (RGB)		External Sync		Serial Digital				Audio				
	INPUT	OUTPUT	INPUT	OUTPUT	INPUT	OUTPUT	INPUT	OUTPUT	INPUT	OUTPUT	(SDI)		(HD-SDI)		Analogue		Embedded		
IF-C01PNG	2 sets (BNCx2)	2 sets (BNCx2)	1 set (4pin)	—	—	—	—	—	—	1 set (BNC)	1 set (BNC)	—	—	—	—	2 sets (RCAx2)	2 sets (RCAx2)	—	—
IF-C01COMG	—	—	—	—	1 set (BNCx3)	1 set (BNCx3)	1 set (BNCx3)	1 set (BNCx3)	1 set (BNCx2)	1 set (BNCx2)	—	—	—	—	1 set (RCA)	1 set (RCA)	—	—	
IF-C01SDG	—	—	—	—	—	—	—	—	—	—	—	2 sets (BNCx2)	1 set (BNC)	—	—	2 sets (RCAx2)	2 sets (RCAx2)	—	—
IF-C21SDG	—	—	—	—	—	—	—	—	—	—	—	2 sets (BNCx2)	1 set (BNC)	—	—	—	—	2 sets (BNCx2)	—
IF-C51SDG	—	—	—	—	—	—	—	—	—	—	—	2 sets (BNCx2)	1 set (BNC)	—	—	—	—	2 sets (BNCx2)	—
IF-C21HSDG	—	—	—	—	—	—	—	—	—	—	—	—	—	1 set (BNC)	1 set (BNC)	—	—	2 sets (BNCx2)	—
IF-C51HSDG	—	—	—	—	—	—	—	—	—	—	—	—	—	1 set (BNC)	1 set (BNC)	—	—	2 sets (BNCx2)	—
IF-C61HSDG	—	—	—	—	—	—	—	—	—	—	—	2 sets (BNCx2)*1	1 set (BNC)*1	2 sets (BNCx2)*2	1 set (BNC)*2	—	—	2 sets (BNCx2)	4 sets (BNCx4)
IF-C12HSDG	—	—	—	—	—	—	—	—	—	—	—	—	—	2 sets (BNCx2)	2 sets (BNCx2)	—	—	2 sets (BNCx2)	—

*1 Shared with HD-SDI *2 Shared with SDI

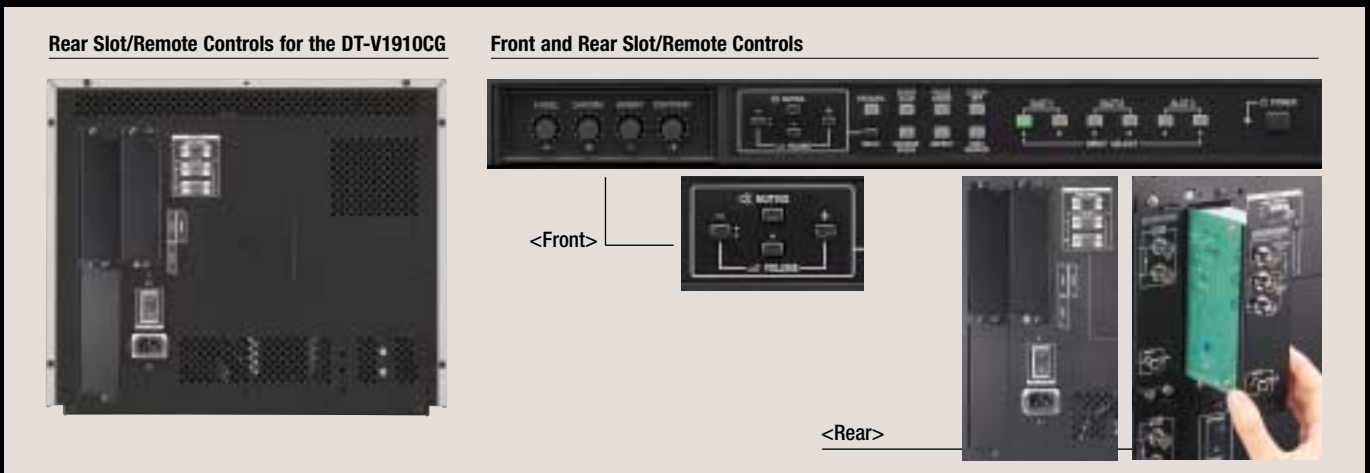
Specifications

	DT-V1910CG	DT-V1710CG
Type	Multi-Format Colour HDTV/SDTV Video Monitor	
Colour Systems	PAL, NTSC, 480i, 576i, 480p, 576p, 1080i, 1080/24psF, 720/60p, 720/50p	
CRT	19" (18"V) in-line gun, AG pitch 0.25 mm, Natural Flat CRT	17" (16"V) in-line gun, AG pitch 0.25 mm, Natural Flat CRT
Scanning Frequency	(H) 15.625/15.734/28.125/31.5/33.75/45kHz (V) 48 (24psF)/50/59.94/60Hz	
Horizontal Resolution	More than 900 TV lines	More than 800 TV lines
Power Requirement	120V/220V/230V AC, 50Hz/60Hz	
Power Consumption	120V AC, 1.8A (MAX. 2.1A) when input card is inserted. 220V/230V AC, 1.0A (MAX. 1.2A) when input card is inserted.	120V AC, 1.56A (MAX. 1.85A) when input card is inserted. 220V/230V AC, 0.9A (MAX. 1.0A) when input card is inserted.
Colour Temperature	6,500°K/9,300°K selectable	
Video Input	3 slots for optional input cards	
Audio Input	Video input card incorporates audio inputs	
Audio Speaker	8 cm round	
Remote Terminals	RS-485: 9-pin, D-sub x 2. Contact Closure & Trigger: 15-pin, D-sub	
Dimensions (W x H x D)	440 x 375 x 496 mm	395 x 334 x 466.5 mm
Weight	29.4 kg	23.7 kg

Dimensions



Front and Rear Controls



Rack Mount Adapter



RK-C1900E

EIA Rack Mount Adapter for DT-V1910CG



RK-C1700E

EIA Rack Mount Adapter for DT-V1710CG

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