

**JVC**  
**PROFESSIONAL**

19" HIGH-RESOLUTION COLOR VIDEO MONITOR

# TM-H1950CG

Full-Featured, High-Resolution Monitor with  
User-Selectable Interface Cards



- 750 Lines of Horizontal Resolution
- 16:9/4:3 Selectable Aspect Ratio
- Card Slot for Optional Component Video or SDI Input Card
- Dual-standard, Auto-sensing, NTSC and PAL
- Multi-Voltage, Auto-sensing, 120V to 230V AC
- Big Screen, Small Cabinet Design
- On-Screen Menu
- Underscan, Color Off, Blue Check Functions
- Wired Remote Control via 15-pin D-sub
- UL/CE Approved



***High-Specification Full-Square  
Monitor for Professionals that  
Delivers More for Less***

***Card Slot for Input Card***

**JVC's TM-H1950CG redefines the high-specification monitor for broadcasting studios and editing/special effects suites. Technically, it's uncompromising. Featuring a full-square CRT and a trio-dot pitch of 0.27 mm, the NTSC/PAL compatible TM-H1950CG delivers 750 lines of horizontal resolution and sharp, accurately rendered pictures. Yet, despite its big 19-inch screen, it comes in an ultra compact cabinet that takes up little space. Intuitive on-screen menu programming means settings ranging from aspect-ratio to Blue Check can be changed in seconds. The TM-H1950CG offers the input and output terminals needed for today's professional applications, featuring a card slot for optional component video or SDI inputs. It's a lot of performance from a small package—and one that comes at a price that might surprise you, and keep your accountant happy.**

#### ■ High-Resolution, 19-inch Color Monitor

The TM-H1950CG applies high-resolution CRT with precision in-line guns, and a trio-dot pitch of 0.27 mm, to deliver 750 lines of horizontal resolution along with exceptional color fidelity and stability. So, now users can spend longer in front of the monitor, whilst handling demanding professional applications such as editing or creating special video effects, because there is less strain on the eyes.

#### ■ Selectable Aspect Ratio

Users can select between the standard aspect ratio of 4:3 or the increasingly popular wide-screen 16:9 ratio, simply by one of three ways: the front panel push-button, the on-screen menu or via the remote control port.

#### ■ Card Slot for Optional Component or SDI Card

The flexibility and the cost-efficiency of the TM-H1950CG is further enhanced by the card slot in the rear panel which takes either of the two optional input cards for component video or SDI. The user only pays for the connections that he wants, when he wants. The cards are plug-and-play and are therefore easy to fit in the field. This means, for instance, that the additional expense of upgrading to SDI can be delayed until it is actually required.



#### ■ Full Range of Input Terminals

JVC's TM-H1950CG features all of the input terminals needed for professional applications today—Y/C inputs (4-pin DIN) with bridged output and two composite inputs (2-channel BNC) with bridged outputs.

#### ■ Menu-Driven On-Screen Parameter-Setting

Elegant and simple, the TM-H1950CG's on-screen menu guides you through parameter adjustments to customize the monitor for user preferences and applications. Resetting to the default settings is a quick one-touch operation. Adjustable parameters include: Underscan, Aspect Ratio, Color Temperature, Blue Check, Contrast, Brightness, Chroma, and Phase.

#### ■ Big Screen, Small Cabinet Design

JVC's designers have achieved an elegant cabinet design that is exceptionally compact for a video monitor of its size. By locating all of the essential controls on the front of the cabinet, TM-H1950CG monitors can be installed in a 9U high rack, without having to use the wired remote control facility.

#### ■ Dual Standard with Global Compatibility

The TM-H1950CG is a truly international monitor. Not only does it display both NTSC and PAL signals, with auto select and manual switching options. It also autosenses whether the AC power source is 120V or 230V. These features along with its small cabinet.

#### ■ Wired Remote Control Capability

The TM-H1950CG comes with a thoughtfully designed remote control connector (15-pin D-sub), for selecting all of the key functions.



#### ■ Rush-Current Delay

When activated, JVC's special Rush-Current Delay function reduces the load on the studio's 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.

#### ■ Power Cord Holder for Preventing Accidental Disconnection

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

## Specifications

Color Systems	NTSC and PAL (auto-sensing)
CRT	19" (diagonally measured), trio-dot pitch 0.27 mm, P-22 phosphor
Scanning Frequency	(H) 15.734 kHz (NTSC)/15.625 kHz (PAL) (V) 59.94 Hz (NTSC)/50 Hz (PAL)
Horizontal Resolution	more than 750 TV lines
Power Requirements	120V AC and 230V AC (auto-sensing)
Color emperature	6,500°K/9,300°K
Standard Video Inputs	Input A Composite, via BNC x 2 with auto termination and bridged output Input B Composite, via BNC x 2 with auto termination and bridged output Y/C (Priority input), via 4-pin mini DIN x 2 with auto termination and bridged output
Audio Inputs	A and B via phone jack, with bridged output for loophthrough
Video Input Options	Single empty slot for either component video or SDI card
Remote Terminal	15-pin D-sub x1, MAKE CONTACT for functions of <ul style="list-style-type: none"> <li>■ Input Select</li> <li>■ Aspect Changeover (16:9 and 4:3)</li> <li>■ Color Off</li> <li>■ Underscan</li> <li>■ Tally Lamp</li> </ul>
Optional Accessories	Analog Component/RGB Input Card (IF-C01COMG) SDI Input Card (IF-C01SDG) EIA Rack Mount Adapter (RK-C1700E)
Dimensions (W x H x D)	15-5/8 x 13-1/4 x 16-1/2 inches 395 x 334 x 418 mm
Weight	44.3 lbs. ( 20.1 kg)
Standards Approvals	which would then read UL (USA) and CE (Europe)

## Optional Cards



■ IF-C01COMG  
Analog Component/RGB Input Card



■ IF-C01SDG  
SDI Input Card

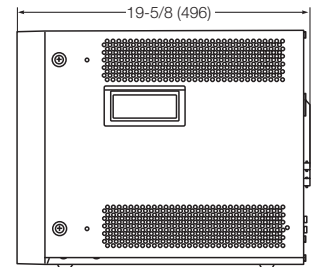
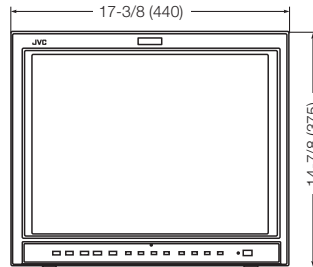
## Rack Mount Adapter



RK-C1900E  
■ EIA Rack Mount Adapter

## Dimensions

Unit: inches (mm)



## Front and Rear Controls



This photograph shows the rear panel with no optional input card fitted. The blanking plate, which covers the card slot and which is attached by two screws, can be seen between the monitor's reference plate and the 15-pin D-sub remote control socket.

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