

JVC®

The Perfect Experience / —
/

40-INCH PROFESSIONAL LCD DISPLAY MONITOR

GM-H40L1G

Flexibility and reliability make it ideal for system integrators, installers, etc.



Installation Flexibility and Reliable Performance make the GM-H40L1G Perfect for Professional Applications

Creating Systems with Ease

- Array of Standard Inputs and External Controls
- Slim Design and Flexible Installation
- Heat-releasing Louvers on the Panel Sides
- Customizable Bezel and Easily Removable Rear Panel

Outstanding Reliability

- Long-life LCD without Screen Burn-in
- Self-diagnostic LED Indicator and Eco Sensor
- Security Lock for Theft Prevention

Enhanced Features

- High-speed Input Switching
- Digital Zoom Function
- PIP & PBP Dual Display Function

Now widely used in commercial installations, flat panel displays must now be versatile enough for connectivity to a wide range of equipment and allow positioning in varied locations. Product longevity and security concerns are also important factors when selecting the right model. JVC's GM-H40L1G LCD monitor meets all these requirements and is designed to answer the demanding needs of professional integrators and installers.

Creating Systems with Ease

Array of Standard Inputs and External Controls

Whether you are an installer or system integrator, the main concern when selecting a monitor is versatile connectivity. And this is where the GM-H40L1G excels, as it is equipped with an impressive array of standard inputs and external controls.



Connectors on the GM-H40L1G

Standard Inputs and Optional Cards

The GM-H40L1G is compatible with a number of signal formats including composite or Y/C, analog RGB, and DVI-D or component video. Add an optional IF unit, such as the SD-SDI, HD-SDI or HDMI* formats, and you've got a total of seven input formats to choose from.

Formats	Quantity	Notes
DVI-D	1 line	Standard input
Analog RGB	1 line	
Composite	1 line	
Component	1 line	
Card slot for optional IF units	2 slots	Optional card
SD-SDI	2 lines	
HD-SDI	2 lines	
HDMI*	1 line	

*Will be available in 2006

External Controls

External Control	Controlled by:
RS-232C (D-sub 9-pin)	PCs used as the main control.
RS-485 (RJ45)	Broadcasters using PCs as the main control.
MAKE (RJ45)	Control without the use of PCs.
TRIGGER (RJ45)	
IR OUT (RJ45)	Set-top box for system integrators.

The GM-H40L1G is compatible with a variety of external control terminals such as the common RS-232C and even the RS-485, for control that requires longer cable length. A MAKE/TRIGGER function is also available and for economical installation, an RJ45 terminal is employed to allow a LAN cable to be used as the control cable.

Structure Suitable for Professional Use

Slim Design and Flexible Installation

The GM-H40L1G features a flat rear panel with a slim, symmetrical design that facilitates flexible installation anywhere, horizontally or vertically. And there is no need to worry about cooling capacity wherever units are installed as a silent cooling fan delivers optimum performance even in the vertical orientation. When the built-in temperature sensor detects excessive increases in heat, the fan automatically adjusts the rotation speed to effectively cool the GM-H40L1G. What's more, the flat rear panel design expands positioning possibilities such as when two units are installed back to back.

Heat-releasing Louvers on the Panel Sides

Heat is released from louvers on the sides and top of the unit, allowing the GM-H40L1G to be positioned closer to walls for optimum utilization of space.

Customizable Bezel and Easily Removable Rear Panel Enhances Aesthetics and Installation

The bezel and rear panel are detachable so that the unit can be customized to better match the surroundings or smoothly fit into a system. This makes replacing the whole unit unnecessary to save on costs. Replacing the bezel occasionally will not only enhance aesthetics but is also recommended for units used in public venues where they are likely to be scratched or dented.

VESA (200mm) Compliant Wall-mounting Templates

To make installation easy and quick, the wall-mounting templates are VESA industry standard compliant.

40-INCH PROFESSIONAL LCD DISPLAY MONITOR
GM-H40L1G



RM-C2005

Outstanding Reliability

Long-life LCD

Unlike plasma monitors, LCD uses backlighting technology to eliminate screen burn-in. And thanks to the **automatic sleep function**, the unit will turn off automatically when no signal is detected from connected equipment after a specified time. This helps to reduce unnecessary blinking of the backlight, increasing screen life and saving overall energy consumption.

Remote Control Sensor

To ensure less signal interference, the remote control sensor is located at the upper corner of the panel. Infrared signal sensitivity of LCD monitors is somewhat better than that of plasma monitors and the GM-H40L1G's oversized sensor window, which allows wide-angle reception of the infrared signal, enhances this.

Eco Sensor

The IR remote sensor incorporates an Eco sensor that automatically detects ambient light and adjusts brightness to reduce excessive luminance, helping to provide more comfortable viewing while decreasing unnecessary blinking of the backlight.

Self-diagnostic LED Indicator

A self-diagnostic LED indicator, which will light up or flash in 8 different patterns in the event of a malfunction, is located next to the Eco sensor. To facilitate servicing, operational history and temperature changes that take place before a malfunction occurs are recorded in the display's internal microprocessor. What's more, the 8 pattern indications can be detected via external control terminals allowing for recognition from a remote location.



Security Lock for Theft Prevention

The GM-H40L1G is fully equipped with security features to lessen the chance of theft. An original ID can be set via the supplied remote control to lock and disable operation. There is also a **security lock key** on the panel mount* that secures the monitor onto the mount.

*Security lock is not available for the tabletop stand.

Control Lock

Control buttons are prominently located at the top of the panel to prevent unintentional operation, and these can be locked to deter unwanted operation when the unit is used in public venues at such as storefronts and exhibits.

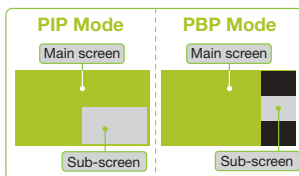
Array of Enhanced Features

High-speed Input Switching

This feature enables instantaneous switching of two selected inputs and is particularly useful for requirements that call for high-speed input switching, such as security applications.

PIP Pro

Dual display functions, PIP & PBP, are featured on the GM-H40L1G. PIP (Picture-in-Picture) enables display of a sub-screen — with selectable size and position — in the main screen. PBP (Picture-by-Picture) will display the main screen and sub-screen side by side with a user-selectable line separating the two screens. It is possible for both functions to be displayed in the widescreen 16:9 ratio and selecting the appropriate input terminal allows you to choose between the main screen and sub-screen. PIP Pro offers many advantages that make it very suitable for digital signage applications.



Digital Zoom Function

The digital zoom function will allow simple creation of a multi-screen system without having to spend extra on costly splitter products.



Power-on Delay

Once activated, JVC's special Power-on Delay function reduces the load on the studio's main power supply when multiple units are powered up simultaneously.

More features

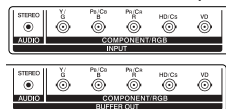
- **Hour Meters:** Dual hour meters are available. The main meter displays aggregate operating hours while the sub-hour meter displays daily usage time.
- **1080/24psF Compatibility:** Use of the IF-CF21HD HD/SD-SDI module enables convenient 1080/24psF compatibility.

Optional IF Cards and Applications

Two slots for optional IF units or cards are available, which are located next to the input terminals. There are 5 units/cards available: 1) RGB & component-buffer out unit; 2) RGB & component unit; 3) HD/SD-SDI unit; 4) SD-SDI unit; and 5) composite unit.

*HDMI unit will available in 2006.

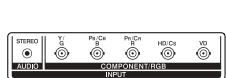
IF-CF01RB RGB/Component Buffer Out



- Just sampling up to UXGA for display of superb images without pixel thinning.
- Compatible with 15K analog RGB signal.



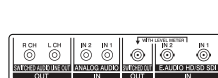
IFCF01CM RGB/Component



- Compressed display of UXGA images.
- Compatible with 15K analog RGB signal.



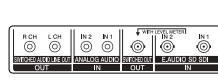
IF-CF21HD HD/SD-SDI with Embedded Audio



- SDI signal chain connection capability via bridge out.
- Embedded audio bridged out.
- 1080/24psF and 1080/30p compatibility.



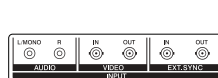
IF-CF21SD D1-SDI with Embedded Audio



- SDI signal chain connection capability via bridge out.
- Embedded audio bridged out.



IFCF01PN Composite

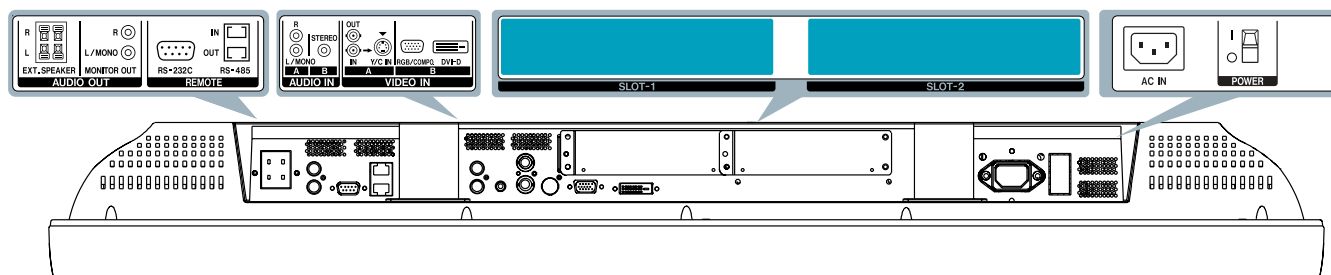


- Compatible with NTSC, PAL, SECAM, PAL-M, PAL-N, PAL60, and NTSC4.43.
- Capable of handling external sync signals.



IF-CF01 HDMI (will be available in 2006)

Rear Terminals



Optional Accessories

Stand Unit TS-CLO3SG

- Rotating function
- Durable yet stylish aluminum die-cast finish



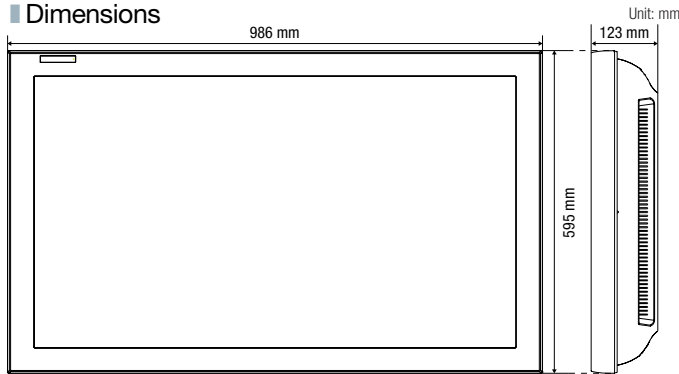
Remote Control Unit (supplied)



Wall Mounting Unit TS-CV20WG

- VESA 200 compliant
- Slim design

Dimensions



Applicable Signal Format

MODEL	DIGITAL / ANALOG INPUT					Monitor		Optional Card				
						GM-H40L1G	IF-CF01RBGA	IF-CF01CMG	IF-CF21HDG	IF-CF21SDG	IF-CF01PNG	
	ANALOG	DIGITAL	ANALOG	ANALOG	DIGITAL	DIGITAL	ANALOG	DIGITAL	DIGITAL	ANALOG		
ANALOG COMPOSITE-SIGNAL FORMAT												
FORMAT	LINE	PIXEL	fv	fh	(fCLK)							
NTSC	525	—	59.94	15.734	—	YES	—	—	—	—	YES	
PAL	625	—	50.00	15.625	—	YES	—	—	—	—	YES	
SECAM	625	—	50.00	15.625	—	YES	—	—	—	—	YES	
PAL60	525	—	59.94	15.734	—	YES	—	—	—	—	YES	
NTSC 4.43	525	—	59.94	15.734	—	YES	—	—	—	—	YES	
PAL-M	525	—	59.94	15.734	—	YES	—	—	—	—	YES	
PAL-N	625	—	50.00	15.625	—	YES	—	—	—	—	YES	
COMPONENT-SIGNAL FORMAT												
FORMAT	LINE	PIXEL	fv	fh	(fCLK)							
480i60 (SMPT 125M)	483	720x483	60/59.94	15.75/15.734	—	YES	—	YES	YES	YES (with E.A.)	—	
576i50 (ITU-R BT.601)	576	720x576	50.00	15.625	—	YES	—	YES	YES	YES (with E.A.)	—	
480i60p (SMPT 232C)	480	720x483	60/59.94	31.5/31.469	27.00/26.97	YES	—	YES	YES	YES (with E.A.)	—	
576i50p (ITU-R BT.1358)	576	720x576	50.00	31.25	27.00	YES	—	YES	YES	YES (with E.A.)	—	
720i60p (SMPT 232C)	720	1280x720	60/59.94	45/44.955	74.25/74.18	YES	—	YES	YES	YES (with E.A.)	—	
720i60p (SMPT 232C)	720	1280x720	50.00	37.5	74.25	YES	—	YES	YES	YES (with E.A.)	—	
1035i60 (SMPT 240M)	1035	1920x1035	60/59.94	33.75/33.716	74.25/74.18	YES	—	YES	YES	YES (with E.A.)	—	
1080i60 (SMPT 274M)	1080	1920x1080	60/59.94	33.75/33.716	74.25/74.18	YES	—	YES	YES	YES (with E.A.)	—	
1080i50 (SMPT 274M)	1080	1920x1080	50.00	28.125	74.25	YES	—	YES	YES	YES (with E.A.)	—	
1080i24p (SMPT RP211)	1080	1920x1080	48.00	27.00	74.25	YES	—	YES	YES	YES (with E.A.)	—	
1080i24p (SMPT 274M)	1080	1920x1080	24/23.98	27.00/26.97	74.25/74.18	YES	—	YES	YES	YES (with E.A.)	—	
1080i30p (SMPT 274M)	1080	1920x1080	30/29.97	33.75/33.716	74.25/74.18	YES	—	YES	YES	YES (with E.A.)	—	
1080i60p (SMPT 274M)	1080	1920x1080	60.00	67.5	148.5	—	—	—	—	—	—	
RGB-SIGNAL FORMAT												
FORMAT	PIXEL	fv	fh	(fCLK)								
VGA	640x480@60Hz (Industry STD)	59.940	31.469	25.175	YES	YES	YES	YES	—	—	—	
	640x480 (IBM STD)	70.00	31.5	25.2	YES	—	YES	YES	—	—	—	
	640x480@72Hz (VESA STD)	72.809	37.861	31.500	YES*	—	YES	YES	—	—	—	
	640x480@75Hz (VESA STD)	75.000	37.500	31.500	YES*	—	—	—	—	—	—	
	640x480@85Hz (VESA STD)	85.008	43.269	36.000	YES*	—	—	—	—	—	—	
WVGA	852x480	60.3	37.9	40	YES*	—	YES	YES	—	—	—	
	800x600@60Hz (VESA G/L)	60.317	37.879	40.000	YES	YES	YES	YES	—	—	—	
	800x600@72Hz (VESA STD)	72.188	48.077	50.000	YES	—	—	—	—	—	—	
	800x600@75Hz (VESA STD)	75.000	46.875	49.500	YES*	—	—	—	—	—	—	
	800x600@85Hz (VESA STD)	85.061	53.674	56.250	YES*	—	—	—	—	—	—	
XGA	1024x768@60Hz	60.004	48.363	65.000	YES	YES	YES	YES	—	—	—	
	1024x768@70Hz	70.069	56.476	75.000	YES	—	YES	YES	—	—	—	
	1024x768@75Hz	75.029	60.023	78.750	YES	—	YES	YES	—	—	—	
	1024x768@85Hz	84.997	68.677	94.500	YES	—	YES	YES	—	—	—	
	1152x864	70.00	64	94.2	YES*	—	—	—	—	—	—	
WXGA	1152x864@75Hz	75.000	67.500	108.000	YES*	—	YES	YES (No Just Sampling)	—	—	—	
	1152x864	85.00	77.5	121.5	YES*	—	—	—	—	—	—	
	1280x768	60.00	—	—	YES*	—	YES	YES	—	—	—	
	1360x765	60.00	—	—	YES*	—	YES	YES	—	—	—	
	1365x768	60.00	—	—	YES*	—	YES	YES	—	—	—	
SXGA	1366x768	60.00	—	—	YES*	—	YES	YES	—	—	—	
	1280x1024@60Hz (VESA STD)	60.020	63.981	108.000	YES	YES	YES	YES (No Just Sampling)	—	—	—	
	1280x1024@75Hz (VESA STD)	75.025	79.976	135.000	YES	—	YES	YES (No Just Sampling)	—	—	—	
	1280x1024@85Hz (VESA STD)	85.024	91.146	157.500	YES	—	—	—	—	—	—	
LXGA	1600x1200@60Hz (VESA STD)	60.000	75.000	162.000	YES	—	YES	YES (No Just Sampling)	—	—	—	
Mac	13	640x480	66.667	35.000	—	YES	—	YES	—	—	—	
	16	832x624	74.550	49.725	—	YES	—	YES	—	—	—	
	19	1024x768	74.927	60.241	—	YES	—	YES	—	—	—	
	21	1152x870	75.062	68.681	—	YES	—	YES	—	—	—	
	480i60 (RGB15k)	525x858	60/59.94	15.75/15.734	—	YES	—	YES	YES (No Just Sampling)	—	—	
576i50 (RGB15k)	625x864	50.00	15.625	—	YES	—	YES	YES	—	—		

* Not preset. Manual adjustment of aspect and position may be required.

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