

JVC

PROFESSIONAL

17-INCH COLOUR MONITOR **TM-1750PND**

Multi-Application Colour Monitor with
Built-In SDI

10-INCH COLOUR MONITOR **TM-1050PND**

Monitor for Studio Application with
Built-In SDI



TM-1750PND

- Serial Digital Component Input
- 550 Lines of Horizontal Resolution
- 16:9/4:3 Selectable Aspect Ratio
- On-Screen Menu
- Wired Remote Control
- Big Screen, Small Cabinet Design
- Component/RGB Input Terminals
- Under Scan, Blue Check
- PAL/NTSC Compatible

TM-1050PND

- Serial Digital Component Input
- PAL/NTSC Compatible
- 16:9 Display Capability
- Tally Lamp
- Tally/Remote
- Rugged Metal Cabinet
- Underscan and Pulse Cross
- Rack Mountable

Packing the Power Demanded by Today's

17-INCH SDI COLOUR MONITOR

TM-1750PND

The TM-1750PND delivers the flexibility and the practicality needed in today's fast-moving broadcast, production and editing environments. Flexibility is further enhanced by a Serial Digital Interface (SDI), which complements comprehensive input terminals for analogue signals. With a big 17-inch screen in a compact body, the TM-1750PND takes up little space, yet provides the picture quality of a top-of-the-line monitor. Packed with powerful features, the TM-1750PND has a Flat Square CRT with 550 lines of horizontal resolution. Its intuitive on-screen menu allows quick and simple adjustment of a wide range of settings including Blue Check and Under Scan.

■ SDI Direct Input

Compatible to SMPTE 259M standard serial digital component signal.

■ 17-inch Monitor Delivers Crisp Colour Pictures

The TM-1750PND features JVC's Flat Square CRT with precision in-line guns and a stripe pitch of 0.42 mm. Delivering 550 lines of horizontal resolution, the TM-1750PND provides crisp, accurately rendered colour pictures. These minimise viewer fatigue and open up a wide range of professional applications, whether in the broadcast studio or editing suite.

■ Multi-Standard Compatibility

The outstanding flexibility of the TM-1750PND is further enhanced by full multi-standard compatibility. Not only does the TM-1750PND process both PAL and NTSC signals, it also features an auto-select switch. When activated it identifies the input signal and switches mode automatically.

■ Compact, Space-Saving Design

Packaged in a rugged metal cabinet, the elegant TM-1750PND has an innovative design which provides a monitor that is the same height as and only 30 mm wider than JVC's compact 15-inch model. That makes it easy to install when space is at a premium, while maintaining the picture quality that comes with a 17-inch, high-resolution display.

■ User-Selectable Aspect Ratio

The TM-1750PND offers users a choice of aspect ratios — 4:3 or 16:9. To switch from one to the other, simply input your selection on the on-screen menu. The TM-1750PND then makes the necessary adjustments automatically.

■ Comprehensive Input Terminals

The TM-1750PND comes with all the input options required for professional applications. These include SDI input terminal, Y/C input terminal (4-pin DIN) with bridged output for S-VHS signals, two composite input terminals (2-channel BNC), each with a bridge output, and RGB/Component input terminals with an on-screen switching capability.

■ Menu-Driven On-Screen Programming

Call up the on-screen menu and the user-friendly graphic interface guides you through parameter adjustments. It couldn't be easier, whether you choose the standard default set-up or customise the settings by fine-tuning Under Scan, Aspect Ratio, Colour Temperature and Blue Check. Contrast, Brightness, Chroma and Phase can be quickly adjusted using the controls on the front panel, with levels displayed on the monitor.

SDI

Serial Digital Interface



■ Built-in Loudspeaker

Users can monitor sound with the compact, built-in 8 cm loudspeaker, which delivers an output of 1 W.

■ Wired Remote Control Terminal

The TM-1750PND is provided with an ergonomically designed remote control terminal (RCA phono), for selecting input channel A/B, as well as aspect ratio.

Broadcast and Production Professionals



10-INCH SDI COLOUR MONITOR

TM-1050PND

The 10-inch TM-1050PND is the monitor to rely on. Ruggedly built and feature-rich, the TM-1050PND is engineered for professionals working in the demanding broadcast, production and editing sectors. It offers multi-format PAL and NTSC compatibility and has a switchable aspect ratio "4:3 and 16:9", two video inputs, Serial Digital Interface (SDI), and built-in loudspeaker. Rack mountable and easy to handle, thanks to an innovative, space-saving design, the TM-1050PND offers a unique mix of powerful features and mobility for users looking for flexible solutions.



■ SDI Direct Input

Compatible to SMPTE 259M standard serial digital component signal.

■ PAL/NTSC Compatibility

The TM-1050PND offers multi-format compatibility, accepting composite from PAL or NTSC sources.

■ Tally Lamp

A tally lamp is located in a clearly visible position on the front panel of the TM-1050PND.

■ Tally/Remote Connector

A DIN 8-pin tally/remote connector allows remote switching of certain key functions.

■ 16:9 Display Capability

Changing over between 4:3 and 16:9 aspect ratios is as simple as flipping a switch.

■ Underscan

The underscan facility can be switched from the front panel. This allows the entire active picture area to be viewed.

■ Pulse Cross

The pulse cross facility allows monitoring of vertical and horizontal blanking and sync periods. (Only composite video inputs)

■ Blue Check

Colour adjustment is simplified by the use of the blue only facility.

■ Colour Off

White balance settings can be checked using the colour off switch.

■ External Sync

External sync input with bridged output is provided as a separate terminal. (Only composite video inputs)

■ AFC Switch

A rear panel AFC switch allows the time constant to be increased for viewing off-tape pictures with minimal jitter.

■ Built-in Speaker

An 8 cm speaker is included for audio monitoring.

■ Two Audio Inputs

Two audio input terminals (RCA) with bridged outputs are provided for input channels A and B.

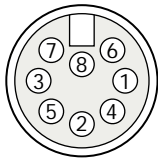
■ Rack Mounting

One or two TM-1050PND monitors can be mounted in a standard EIA 19" rack.

Specifications

	TM-1750PND	TM-1050PND
Type	Colour Video Monitor	
Colour System	PAL/NTSC	
	SMPTE 259M serial digital component	
Scanning Frequency	H: 15.625 kHz (PAL)/15.75 kHz (NTSC) V: 50/60 Hz	
CRT	17" (diagonally measured), Stripe pitch 0.42 mm	10" (diagonally measured), Stripe pitch 0.50 mm
Horizontal Resolution	more than 550 TV lines	more than 280 TV lines
Power Requirement	230 V AC, 50/60 Hz	
Power Consumption	0.6A	0.54A
Colour Temperature	6,500K/9,300K (selectable)	6,500K
Input Terminals		
Input A	Composite	1.0 V (p-p), 75 ohms, negative sync., auto-termination, BNC×2, bridged-output possible
Input B	Composite	1.0 V (p-p), 75 ohms, negative sync., auto-termination, BNC×2, bridged-output possible
	Y/C	Y: 1.0 V (p-p), 75 ohms, negative sync. C: 0.3 V (p-p), 75 ohms (PAL) 0.286 V (p-p), 75 ohms (NTSC) auto-termination, S 4-pin×2, bridged output possible
	SDI	SMPTE 259M BNC×2, active through-out mechanical sw. composite-SDI
OSD menu select RGB/Component/SDI	RGB	R: 0.7 V (p-p), 75 ohms G: 0.7 V (p-p), 75 ohms B: 0.7 V (p-p), 75 ohms RGB composite sync., 0.3-4 V (p-p), 75 ohms, negative sync., BNC×4
	Component	Y: 1.0 V (p-p), 75 ohms, negative sync. R-Y: 0.7 V (p-p), 75 ohms B-Y: 0.7 V (p-p), 75 ohms BNC×3, common to RGB input
	SDI	SMPTE 259M BNC×2, active through-out
	Audio Terminals	RCA pin×6 for inputs A, B and RGB/Component/SDI, bridged-output possible
Audio Speaker	8cm round×1, 1W output	
Weight	17.8kg	7.9kg

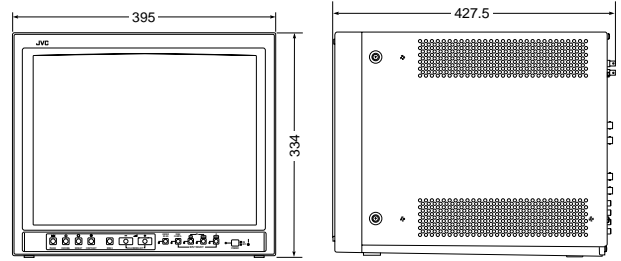
Tally/Remote Connectors (TM-1050PND)



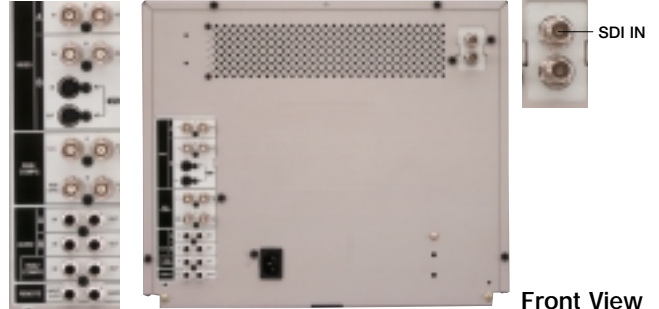
Pin No.	Signal
1	Tally Lamp On/Off
2	Input Select A/B
3	Under Scan On/Off
4	External Sync On/Off
5	Aspect Ratio 4:3/16:9
6	Pulse Cross On/Off
7	Colour Off On/Off
8	GND

TM-1750PND Dimensions

(unit: mm)



Rear View

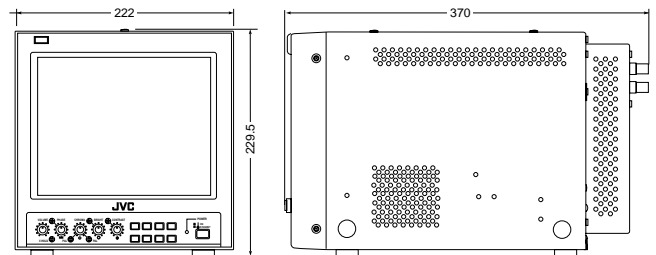


Front View

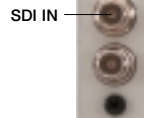


TM-1050PND Dimensions

(unit: mm)



Rear View



Front View



E. & O.E. Design and specifications subject to change without notice.

JVC

VICTOR COMPANY OF JAPAN, LIMITED

DISTRIBUTED BY