

JVC

PROFESSIONAL

10" COLOUR VIDEO MONITOR

TM-1010PN

Compact, High-Resolution Monitor with
Excellent Colour Fidelity for Field and
Studio Use



- PAL/NTSC Compatible
- 16:9 Display Capability
- Tally Lamp
- Tally/Remote Connector

- Rugged Metal Cabinet
- Underscan and Pulse Cross
- AC Mains or 12V DC Operation
- Rack Mountable

Designed for Studio Quality Performance, Engineered for Durability in the Field

Packing top-end studio functions, the 10-inch TM-1010PN is a powerful addition to any studio, whether broadcast, production or editing. Yet it is ruggedly built for tough field assignments. The feature-rich TM-1010PN offers multi-format compatibility, accepting both PAL and NTSC signals, switchable aspect ratio — 4:3 and 16:9 — two video inputs, and operates off either AC mains or DC battery power sources. With a unique space-saving design, the TM-1010PN is easy to handle on a location shoot and two units can be mounted side-by-side in a standard EIA 19" rack. JVC's TM-1010PN — the top performer which you can take anywhere.





PAL/NTSC Compatibility

The TM-1010PN offers multi-format compatibility, accepting composite or Y/C signals from PAL or NTSC sources.

AC or DC Operation

The TM-1010PN can accept virtually any power source from 100–230 V AC (50/60Hz) or 12 V DC via an XLR 4-pin connector. Furthermore, the TM-1010PN has pre-drilled screw points for external batteries such as Anton Bauer or PAG.

Y/C Input

For optimum performance in an S-VHS environment, a professional locking 4-pin bayonet Y/C input is included.

Two Video Inputs

In addition to the Y/C input, two composite video inputs are provided.

Comb Filter

Y/C separation to avoid cross colour and dot interference on composite input (NTSC only).

Tally Lamp

A tally lamp is located where it is easy to see on the front panel of the TM-1010PN.

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.

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.

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-1010PN monitors can be mounted in a standard EIA 19" rack.

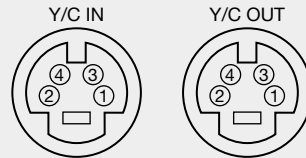
Battery Adapters of Anton Bauer and PAG



Specifications

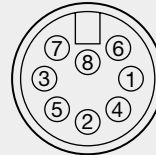
Type	Colour video monitor
Colour System	PAL/NTSC
CRT	10" (diagonally measured), in-line gun, stripe pitch 0.50mm
Scanning Frequency	H: 15.625kHz (PAL)/15.75kHz (NTSC) V: 50/60Hz
Rated Power	230V AC, 50Hz under CE 12V DC
Horizontal Resolution	More than 300 TV lines
Power Consumption	0.41A
Colour Temperature	6500° K
Input Terminals	
1) Input A: Composite Video	1.0 V(p-p), 75 ohms, negative sync., auto-termination, BNC×2, bridged output possible
2) Input B: Composite Video	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: 0.286V(p-p), 75 ohms (NTSC) 0.3V(p-p), 75 ohms (PAL) Auto-termination, S-4-pin×2, bridged output possible
3) External Sync:	Composite sync. 1.0 — 4.0V(p-p) BNC×2, bridged output possible
Audio Terminals	RCA pin×4 for input A & B, bridged output possible
Audio Speaker	8cm round, 1W output
Power Cord	Continental type (TM-1010PN) UK Mains Lead type (TM-1010PN-K)
Tally/Remote	DIN 8-pin

Y/C Connectors



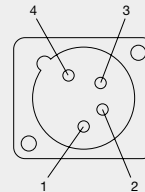
Pin No.	Signal
1	GND
2	GND
3	Y
4	C

Tally/Remote Connectors



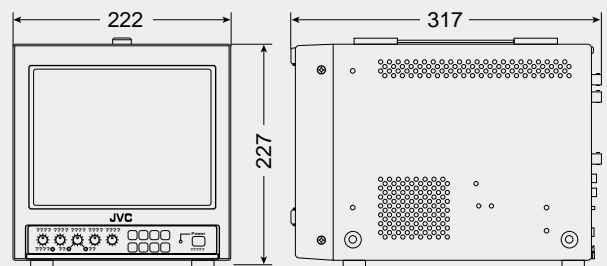
Pin No.	Signal
1	Tally Lamp On/Off
2	Input Select A/B
3	Under Scan On/Off
4	External Sync On/Off
5	Aspect Ratio 4:3/16:9
6	Pulse Cross On/Off
7	Color Off On/Off
8	GND

DC Connector



Pin No.	Signal
1	GND
2	—
3	—
4	DC 12V

Dimensions Unit: mm



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

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