

# JVC®

The Perfect Experience / —

10" COLOUR MONITOR

## TM-1051DG

Monitor with Dual SDI Inputs for Relay and Studio Applications

# SDI

Serial Digital Interface



Compact yet rugged, the TM-1051DG is engineered for the professionals. For instance, the OSM (on-screen menu) contains a very extensive monitor set-up area where virtually every operational feature and function can be switched or adjusted to suit the most sophisticated and wide-ranging of viewing requirements

- Dual SDI Inputs
- Audio Level Meter
- Two Audio Outputs
- Compact Design for Rack Mounting
- Safe Area Marker
- Aspect Ratio Select
- Underscan
- Colour Adjustment
- Two-colour Tally Lamp
- Wired Remote

# Packing the Power Demanded by Today's Broadcast and Production Professionals

## Dual SDI Inputs

TDual SDI inputs with embedded audio are available. SDI inputs are compatible with 480/60i and 576/50i signals.

## Audio Level Meter

For extra convenience, SDI input enables display of an on-screen audio level meter. Remotely switchable by RJ-45 trigger.

## Two Audio Outputs

Two audio output connectors are provided for embedding digital audio into digital video streams, which are then converted and output as analogue audio.

## Compact Design for Rack Mounting

Thanks to the 5U height specifications, rack mounting of the TM-1051DG is possible individually or two monitors side by side on any EIA 19" rack using optional rack mount adapter RK-C101E.

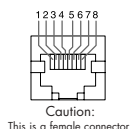
## Safe Area Marker

Displays dotted lines to indicate the areas corresponding to 80%, 88% and 90% of the screen size.

## Specifications

Model		TM-1051DG
Type	Colour Video Monitor	
Picture Tube	10" (diagonally measured), stripepitch 0.50 mm	
Horizontal Resolution	more than 280 TV lines	
Scanning Frequency	H: 15.75 kHz (NTSC)/ 15.625 kHz (PAL); V: 50 Hz/60 Hz	
Power Requirement	120V/220V-240V AC, 50Hz/60Hz	
Power Consumption	0.9A (120V AC)/ 0.6A (220V-240V AC)	
Compliant Video Signal	INPUT A/B: NTSC (3.58 MHz), PAL (4.43 MHz), B/W (50 Hz/60 Hz) INPUT C/D: 480/60i, 576/50i (compatible with EMBEDDED AUDIO signal)	
Format	SD SDI ITU-R BT. 656: 525/625 SMPTE 259M: 525 EMBEDDED AUDIO SMPTE 272M	
Colour Temperature	6,500K / 9,300K (switchable)	
Input/Output terminal A	Composite	Input: BNC x 1 (1.0V(p-p), 75 Ω, negative sync., auto-termination) Output: BNC x 1 (Bridged Out)
Input/Output terminal B	Composite	Input: BNC x 1 (1.0V(p-p), 75 Ω, negative sync., auto-termination) Output: BNC x 1 (Bridged Out)
Input/Output terminal C-D	SDI	Input: BNC x 2 Output: BNC x 1 (Switched Out) RCA x 2 (EMBEDDED AUDIO Monitor Out CH1 and CH2)
Dimensions (W x H x D)	222 x 220 x 360.3mm	
Weight	7.9kg / 17.4 lbs.	

## Remote Pin Assign



Caution:  
This is a female connector.

NO.	Functions to be controlled
1	INP. A Changes the input to INPUT A
2	INP. C Changes the input to INPUT C
3	MARKER Turns on/off MARKER
4	ASPECT Changes ASPECT
5	TALLY Controls the tally lamp
6	L. METER Turns on/off AUDIO LEVEL METER
7	External control
8	GND

Factory preset. Six control functions are user adjustable.

## Aspect Ratio Select

Scanning can be changed between 4:3 and 16:9 aspect ratios by using the on-screen menu or RJ-45 trigger.

## Underscan

To allow viewing of the entire active picture, underscan mode can be selected by pushing the appropriate switch on the front panel.

## Colour Adjustment, Blue Check, and Colour Off

The Screens Check mode allows selection of the above for setting hue & saturation, checking noise in the blue channel, and setting white balance.

## Two-colour Tally Lamp

Easily visible tally lamp is located on the monitor's front panel. Red or green operational colour is selectable via the on-screen menu.

## Wired Remote Control Facility

An RJ-45 connector located on the rear panel allows remote on/off control of several selectable functions, including Tally, Aspect Ratio, Input A or C, Audio Level Meter, and Marker.

## Other features

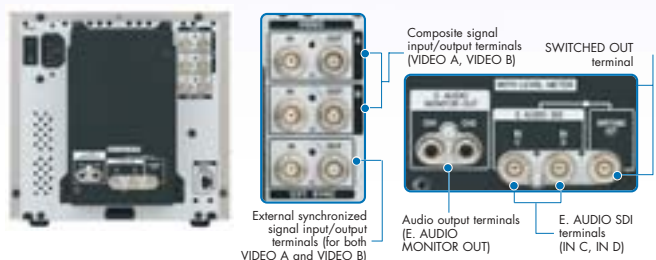
- PAL / NTSC Compatibility

## Front/Rear View

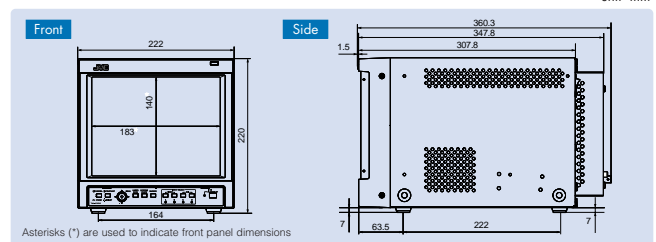
Front Control Panel View



Rear Panel View



## Dimensions



## Optional Accessory

- RK-C101E Rack Mount Adapter (5U)

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