24" Multi-Format LCD Monitor

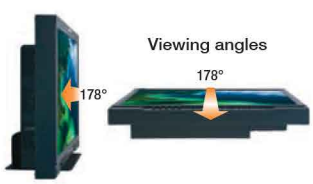
DT-R24L41D

Convenient features and user-friendly design promise outstanding versatility, making these multi-format LCD monitors ideal for diverse professional applications.

HIGHLIGHTS

Wide viewing angles

The R Series monitors provide faithful color reproduction and wider viewing angles of up to 178 degrees from the top/bottom and the sides.



Faithful color reproduction

Matrix parameters are set in response to the actual HD or SD input signal, making it possible to accurately reproduce colors in strict conformity with ITU standards without having to process color signals. And a chromatic range equivalent to EBU 100% ensures faithful color reproduction that is virtually identical to the original source.

Gamma calibration

Accurate image display is absolutely necessary for professional video production and JVC is able to ensure extremely precise grey-scale characteristics by calibrating the gamma of each monitor at the factory before it is shipped.

Durable design means extra reliability

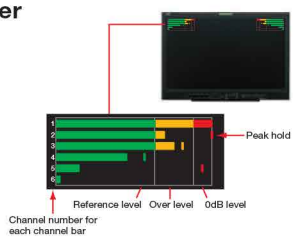
The R Series features robust design in order to fully answer the demanding requirements of daily usage in a studio or academic environment. What's more, the monitor's rigid construction makes it highly suitable for wall mounting.

Dual time code display

The R Series supports both LTC (longitudinal time code) and VITC (vertical interval time code), which can be switched from one to the other.

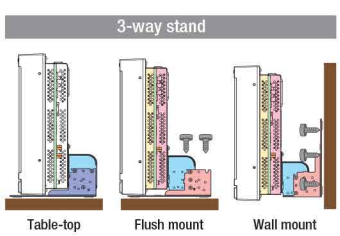
Advanced audio level meter

A convenient audio level meter with multiple indications such as peak hold showing peak audio levels, channel numbers for each channel bar, and graduation levels displaying the three set levels of reference, over, and 0dB, provides at-a-glance recognition of audio signal status.



3-way stand ensures versatile installation anywhere

R Series monitors can be easily installed anywhere at the most desired locations thanks to the supplied 3-way stand. In addition to use of the stand in a conventional tabletop configuration, the monitor can also be mounted flush up front to make the stand less conspicuous, or even mounted on a wall using the VESA-standard 100mm x 100mm pitch screw holes.



Other features

Picture: • Frame latency of less than 1 frame • CTI and LTI functions • 10-bit image processor • ITU 709 and Adobe color space modes are selectable

External controls: • RS-232C, RS-485 and make/trigger terminals • LED indicators with dimmer function • Source ID input by ASCII code • Power save mode • Make/trigger terminal functions: 1:1 mode, area markers compatible with different aspect ratios, safety markers, 16:9/4:3 aspect ratio switching, screen check, auto aspect selection, and two-color (green/red) tally lamps

Compatible Signals

: Compatible —: Incompatible

No.	Signal Name	Signal Format Shown in the Status Display	Input Terminal		
			VIDEO (IN1, IN2)	E.AUDIO HD/ SD SDI (IN1, IN2)*1	DVI-D (HDCP) (Digital Component/ Digital RGB)
1	NTSC	NTSC	√	—	—
2	PAL	PAL	√	—	—
3	B/W50	B/W50	√	—	—
4	B/W60	B/W60	√	—	—
5	480/60i or 480/59.94i	480/60i or 480/59.94i	—	√	—
6	576/50i	576/50i	—	√	—
7	480/60p or 480/59.94p	480/60p or 480/59.94p	—	—	√
8	576/50p	576/50p	—	—	√
9	640*480/60p or 640*480/59.94p	640*480/60p or 640*480/59.94p	—	—	√
10	720/60p or 720/59.94p	720/60p or 720/59.94p	—	√	√
11	720/50p	720/50p	—	√	√
12	720/30p or 720/29.97p	720/30p or 720/29.97p	—	√	—
13	720/25p	720/25p	—	√	—
14	720/24p or 720/23.98p	720/24p or 720/23.98p	—	√	—
15	1080/60i or 1080/59.94i	1080/60i or 1080/59.94i	—	√	√
16	1035/60i or 1035/59.94i	1035/60i or 1035/59.94i	—	√	√ *2,*3
17	1080/50i	1080/50i	—	√	√
18	1080/60p or 1080/59.94p	1080/60p or 1080/59.94p	—	—	√
19	1080/50p	1080/50p	—	—	√
20	1080/30p or 1080/29.97p	1080/30p or 1080/29.97p	—	√	√
21	1080/25p	1080/25p	—	√	√
22	1080/24p or 1080/23.98p	1080/24p or 1080/23.98p	—	√	√
23	1080/30psF or 1080/29.97psF	1080/30psf or 1080/29.97psf	—	√ *2,*3	—
24	1080/24psF or 1080/23.98psF	1080/24psf or 1080/23.98psf	—	√	—

*1 Compatible with EMBEDDED AUDIO signals. *2 Signal is recognized as 1080/60i, and its status is displayed as "1080/60i." *3 Signal is recognized as 1080/59.94i, and its status is displayed as "1080/59.94i."

Computer Signals (preset): DVI-D (HDCP) Terminals

No.	Signal Name	Resolution		Frequency		Scan System
		Horizontal	Vertical	Horizontal (kHz)	Vertical (Hz)	
1	VGA60	640	480	31.5	59.9	Non-interlace
2	WVGA60	852	480	31.5	59.9	Non-interlace
3	SVGA60	800	600	37.9	60.3	Non-interlace
4	XGA60	1024	768	48.4	60.0	Non-interlace
5	WXGA (1280)	1280	768	47.8	60.0	Non-interlace
6	WXGA+60	1440	900	55.9	60.0	Non-interlace
7	SXGA60	1280	1024	64.0	60.0	Non-interlace
8	WSXGA+60	1680	1050	65.2	60.0	Non-interlace
9	UXGA60	1600	1200	75.0	60.0	Non-interlace
10	WUXGA60	1920	1200	74.0	60.0	Non-interlace
11	720/60p	1280	720	45.0	60.0	Non-interlace
12	1080/60p	1920	1080	67.5	60.0	Non-interlace
13	720/50p	1280	720	37.5	50.0	Non-interlace
14	1080/50p	1920	1080	56.25	50.0	Non-interlace

Specifications

Model		DT-R24L41D
Type		Multi-format LCD Monitor
Aspect Ratio		16:10
LCD Panel		24" wide, active matrix TFT
Effective Screen Size		518.4 x 324 mm (20-1/2" x 12-7/8")
Panel Resolution		1920 x 1200 (W-UXGA)
Panel Response Time (G to G)		5 ms (typical)
Display Colors		16.77 million
Horizontal / Vertical Frequency (Computer Signal)		H: 31.469 kHz – 75.000 kHz / V: 48 Hz – 65 Hz (certain signals within the frequency ranges may not be displayed and "Out of Range" will be shown).
Viewing Angle	Horizontal	178°
	Vertical	178°
Brightness		400cd
Contrast Ratio		1000:1
Applicable Standards		HD SDI: BTA S-004C, SMPTE 292M
		SD SDI: ITU-R BT.656: 525/625, SMPTE 259M: 525
		EMBEDDED AUDIO: SMPTE 299M, SMPTE 272M
Audio Output		Internal: 1.0 W + 1.0 W (L/R)
Operating Temperature / Humidity		5°C – 35°C (41°F – 95°F) / 20% – 80% (non-condensing) (varies slightly depending on ambient installation conditions)
Storage Temperature / Humidity		-20°C – 40°C (-4°F – 104°F) / 10% – 90%; 41°C – 60°C (105°F – 140°F) / at 40% (depending on the panel storage conditions)
Power Requirements		AC 120/220-240 V, 50/60 Hz
Rated Current		1.15 A (AC 120 V) 0.67 A (AC 220 – 240 V)
Dimensions (W x H x D) Excluding Protrusions	Without Desktop Stand	564 x 408 x 99 mm (22-1/4" x 16-1/8" x 4")
	With Desktop Stand	564 x 413.1 x 181 mm (22-1/4" x 16-3/8" x 7-1/4")
Weight	Without Desktop Stand	8.6 kg (18.9 lbs)
	With Desktop Stand	10.1 kg (22.2 lbs)
Provided Accessories		AC power cord, power cord holder x 1, Screws x 2 (for power cord holder)

Input/Output Terminals

Model		DT-R24L41D
Video	HD/SD SDI (IN1/IN2)	BNC x 1/BNC x 1
	HD/SD SDI (OUT)	BNC x 1
	Video 1	BNC x 2 (IN/OUT)
	Video 2	BNC x 2 (IN/OUT)
	DVI-D (HDCP)	DVI-D connector x 1
Audio	Audio IN1	RCA x 2 (audio assign)
	Audio IN2	RCA x 2 (audio assign)
	Audio Monitor Out	RCA x 2 (audio assign)
External Control	Make/Trigger	RJ-45 x 1 (8-pin)
	RS-485	RJ-45 x 2 (IN/OUT) (8-pin)
	RS-232C	D-sub (9-pin) x 1

Front Control

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Option: Rack Mount Adapter RK-C17D2

Rear Terminal

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Dimensions (Unit: mm)

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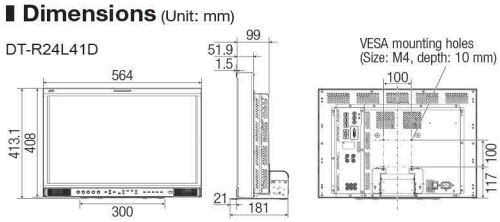

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