Introducing an energy-efficient 15-inch multi-format monitor suited for a wide variety of studio applications. The DT-E15L4 features the popular HDMI and HD-SDI interfaces as well as a number of status alert functions including audio level meter and IMD.

HIGHLIGHTS

▍The popular interfaces – HDMI and HD-SDI
HD-SDI input and output, as well as HDMI connectors, are included as standard, making the DT-E15L4 suitable for a variety of professional applications, including post-production and broadcasting.

▍HD resolution LCD panel with LED backlighting
The DT-E15L4 features a 1366 x 768 pixel HD resolution fast TN LCD panel with LED backlighting. Compared to CCFL backlit monitors, LED backlit LCD monitors are more energy efficient, radiate little heat, and best of all, are free of mercury. The panel is compatible with ITU-709 color gamut and offers high-speed response with low latency of less than one frame[1].

*1 In field mode.

▍16-channel embedded audio level meter
A convenient 16-channel audio level meter with multiple indications such as peak, and graduation levels, provides at-a-glance recognition of audio signal status.
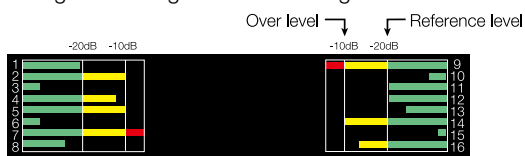
▍IMD (in-monitor display) function
Based on TSL's UMD protocol version 4.0, the built-in IMD (in-monitor display) function keeps track of the monitor's condition, displaying the monitor identifier as text (e.g., input source equipment, input signal format, etc.) along with tally lamps to show the status.

IMD function displays the status in text and tally lamps within the monitor.

▍Easy access front panel controls
The monitor can be controlled directly from buttons and rotary controls located on the front panel. For convenience, users can assign functions to the F1 and F2 buttons.

DT-E15L4 Multi-format LCD monitor

■ Other features

• Multi-color/multifunction tally lamp for Make/Trigger system • 3-way stand • 10-bit image processor • 16.7 million display colors • Area/Center/Safety markers • LTC, VITC, and D-VITC time code support • Built-in speaker
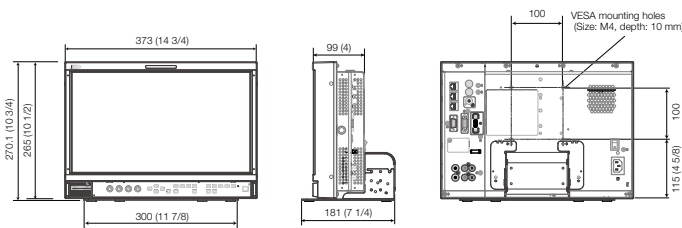
■ Rear terminals

■ Specifications

Model	DT-E15L4
DISPLAY DEVICE	
Type	Multi-format LCD display
Screen size	15-inch wide format
Effective screen size (W x H x Diagonal)	344 x 194 x 395mm (13 7/16" x 7 9/16" x 15 7/16")
Aspect ratio	16:9
Number of pixels displayed	1,366 x 768 (HD)
Number of colors displayed	16.7 million
Surface treatment	Non-gloss
Viewing angle (horizontal/vertical)	170°/160° (typical)
Brightness (typical)	300 cd/m²
Contrast ratio (typical)	500:1
Backlighting	LED
GENERAL	
Horizontal/vertical frequency (computer signal)	H: 31.469 kHz – 75.000 kHz / V: 49.990 Hz – 75.062 Hz
Format	HD SDI: BTA S-004C, SMPTE 292M; SD SDI: ITU-R BT.656: 525/625, SMPTE 259M: 525; Embedded Audio: SMPTE 299M, 272M
Audio output	Internal speaker: 1.0 W
Operating conditions	Temperature: 5°C – 35°C (41°F – 95°F); Humidity: 20% – 80% (non-condensing)
Power requirements	AC120V/220~240V, 50/60Hz
Rated current	0.6A (AC120V), 0.35A (AC220-240V)
VESA standard	100 mm x 100 mm (M4 x 4 mm screw)
Dimensions (W x H x D) With stand	373 x 270.1 x 181mm (14 3/4" x 10 3/4" x 7 1/4")
Without stand	373 x 265 x 99mm (14 3/4" x 10 1/2" x 4")
Net weight with/without stand	5.9 kg/4.3 kg (13 lbs/9.5 lbs)

■ Input format

√: Compatible
—: Not compatible

No.	Signal name	Signal format shown in the status display*5	Input terminal				
			Video	Analog COMPO.	Analog RGB	E.AUDIO *1 HD/SD SDI	HDMI
1	NTSC	NTSC	√	—	—	—	—
2	NTSC 4.43	N 4.43	√	—	—	—	—
3	PAL-M	PAL-M	√	—	—	—	—
4	PAL60	PAL60	√	—	—	—	—
5	PAL	PAL	√	—	—	—	—
6	PAL-N	PAL-N	√	—	—	—	—
7	SECAM	SECAM	√	—	—	—	—
8	B/W50	B/W50	√	—	—	—	—
9	B/W60	B/W60	√	—	—	—	—
10	480/60i	480/60i	—	√	—	—	√
11	480/59.94i	480/59.94i	—	√	—	√	√
12	576/50i	576/50i	—	√	—	√	√
13	480/60p	480/60p	—	√	—	—	√
14	480/59.94p	480/60p	—	√	—	√	√
15	576/50p	576/50p	—	√	—	√	√
16	640*480/60p	640*480/60p	—	—	√	—	√
17	640*480/59.94p	640*480/60p	—	—	√	—	√
18	720/60p	720/60p	—	√	—	√	√
19	720/59.94p	720/59.94p	—	√	—	√	√
20	720/50p	720/50p	—	√	—	√	√
21	720/30p	720/30p	—	—	—	√	—
22	720/29.97p	720/29.97p	—	—	—	√	—
23	720/25p	720/25p	—	—	—	√	—
24	720/24p	720/24p	—	—	—	√	—
25	720/23.98p	720/23.98p	—	—	—	√	—
26	1080/60i	1080/60i	—	√	—	√	√
27	1080/59.94i	1080/59.94i	—	√	—	√	√
28	1035/60i	1035/60i	—	—	—	√	√
29	1035/59.94i	1035/59.94i	—	—	—	√	√
30	1080/50i	1080/50i	—	√	—	√	√
31	1080/60p	1080/60p	—	√	√	—	√
32	1080/59.94p	1080/60p	—	√	√	—	√
33	1080/50p	1080/50p	—	√	√	—	√
34	1080/30p	1080/30p	—	—	—	√	√
35	1080/29.97p	1080/29.97p	—	—	—	√	√
36	1080/25p	1080/25p	—	—	—	√	√
37	1080/24p	1080/24p	—	—	—	√	√
38	1080/23.98p	1080/23.98p	—	—	—	√	√
39	1080/30PsF	1080/30psf	—	—	—	√*2	—
40	1080/29.97PsF	1080/29.97psf	—	—	—	√*3	—
41	1080/25PsF	1080/25psf	—	—	—	√*4	—
42	1080/24PsF	1080/24psf	—	—	—	√	—
43	1080/23.98PsF	1080/23.98psf	—	—	—	√	—

*1 Compatible with EMBEDDED AUDIO signals. *2 The signal is recognized as 1080/60i, and the status is displayed as "1080/60i." *3 The signal is recognized as 1080/59.94i, and the status is displayed as "1080/59.94i." *4 The signal is recognized as 1080/50i, and the status is displayed as "1080/50i." *5 For signal formats other than E.Audio HD/SD SDI input, **/59.94, **/29.97, and **/23.98 will be displayed as **/60, **/30, and **/24 respectively.

■ External dimensions Unit: mm (inches)

373 (14 3/4)
99 (4)
100
VESA mounting holes (Size: M4, depth: 10 mm)
270.1 (10 3/4)
265 (10 1/2)
100
115 (4 5/8)
300 (11 7/8)
181 (7 1/4)

■ Input/output connectors

Video input/output* Composite	1 line, BNC connector x 2, 1 V (p-p), 75 Ω
HDMI input	HDMI connector x 1
Analog component RGB input	Mini D-Sub 15-pin x 1 Y: 1 V (p-p), 75 Ω (with sync); G, B/PB/B-Y, R/PR/R-Y: 0.7 V (p-p), 75 Ω HS, VS: 03 V (p-p) to 5 V (p-p)
HD/SD-SDI input (Auto detection)	BNC x 2 (compatible with EMBEDDED AUDIO signals)
HD/SD-SDI output (Switched Out)	BNC x 1 (compatible with EMBEDDED AUDIO signals)
Audio input	1 line, RCA x 2 (L/R), 500 mV (RMS), high impedance
Audio output	1 line, RCA x 2 (L/R) monitor out, 500 mV (RMS)
External controls (REMOTE) MAKE/TRIGGER: 8-pin	RJ-45 x 1
RS-485: 8-pin for IN	RJ-45 x 1
RS-485: 8-pin for OUT	RJ-45 x 1
RS-232C: 9-pin	D-sub x 1

*Input and output connectors are bridge-connected.

■ Computer (preset): analog RGB and HDMI inputs

No.	Signal name	Resolution		Resolution		Resolution
		Horizontal	Vertical	Horizontal (kHz)	Vertical (Hz)	Scan system
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 *1	1440	900	55.9	60.0	Non-interlace
7	SXGA60 *1	1280	1024	64.0	60.0	Non-interlace
8	UXGA60 *1	1600	1200	75.0	60.0	Non-interlace
9	WUXGA60 *1	1920	1200	74.0	60.0	Non-interlace
10	1080/60p *1	1920	1080	67.5	60.0	Non-interlace
11	1080/50p *1	1920	1080	56.3	50.0	Non-interlace
12	US TEXT *2, *5	720	400	31.5	70.1	Non-interlace
13	WXGA(1360)	1360	768	47.7	60.0	Non-interlace
14	SXGA+/60A *3	1400	1050	64.0	60.0	Non-interlace
15	SXGA+/60B *4	1400	1050	65.2	60.0	Non-interlace
16	MAC13 *5	640	480	35.0	66.7	Non-interlace
17	MAC16 *5	832	624	49.7	74.5	Non-interlace
18	MAC19 *5	1024	768	60.2	74.9	Non-interlace
19	MAC21 *5	1152	870	68.7	75.1	Non-interlace

*1 When signal numbers 6 to 11, 14 and 15 come in, thin lines will become obscured because their signal resolution is higher than the screen resolution. *2 The signal is recognized as VGA400/70, and the status is displayed as "VGA400/70". *3 The signal is recognized as SXGA+60, and the status is displayed as "SXGA+60". *4 The signal is recognized as SXGA+60*, and the status is displayed as "SXGA+60*". *5 Only supports analog RGB input.

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