

T E N T A T I V E

S P E C F I L E



Product Number : PT-**DW10000**

Product Name : DLP™-Based Projector

Specifications**Main Unit**

Power supply:	220–240 V AC, 50/60 Hz
Power consumption:	TBD
DLP™ chip:	Panel size: 0.95" diagonal (16:9 aspect ratio)
	Display method: DMD™ device x 3 (R, G, B), DLP™ system
	Pixels: 2,073,600 (1,920 x 1,080) x 3, total of 6,220,800 pixels
Lens:	Optional powered zoom/focus lenses
Lamp:	TBD
Screen size:	70–600 inches (70–300 inches with the ET-D75LE5), 16:9 aspect ratio
Brightness:	10,000 lumens (high power mode)
Contrast:	4,000:1 (full on/full off, contrast mode: high)
Resolution:	RGB: 1,920 x 1,080 pixels (1,600 x 1,200 pixels compatible, compression mode)
	Video: 560 TV lines
Scanning frequency:	RGB: Horizontal: 15–100 kHz, Vertical: 24–120 Hz, Dot clock: 24–120 MHz
	YPbPr (YCbCr): 480i: fH 15.75 kHz; fV 60 Hz, 576i: fH 15.63 kHz; fV 50 Hz, 480p: fH 31.5 kHz; fV 60 Hz, 576p: fH 31.25 kHz; fV 50 Hz, 720/60p: fH 45 kHz; fV 60 Hz, 1035/60i: fH 33.75 kHz; fV 60 Hz, 1080/60i: fH 33.75 kHz; fV 60 Hz, 1080/50i: fH 28.13 kHz; fV 50 Hz, 1080/25p: fH 28.13 kHz; fV 25 Hz, 1080/24p: fH 27 kHz; fV 24 Hz, 1080/24sF: fH 27 kHz; fV 48 Hz, 1080/30p: fH 33.75 kHz; fV 30 Hz
	S-Video/Video: Horizontal: 15.75/15.63 kHz, Vertical: 50/60 Hz, (NTSC, NTSC4.43, PAL, PAL60, PAL-N, PAL-M, SECAM)
Optical axis shift*:	Horizontal: ±30%, vertical: ±50%, powered
Keystone correction range:	Vertical: ±40° (±34° with the ET-D75LE1, ±19° with the ET-D75LE5)
Installation:	Ceiling/floor, front/rear
Terminals:	RGB1 IN: BNC x 5
	RGB2 IN: D-sub HD 15-pin x 1
	VIDEO IN: BNC x 1, 1.0 Vp-p
	VIDEO OUT: BNC x 1, 1.0 Vp-p
	S-VIDEO IN: Mini DIN 4-pin x 1
	SERIAL IN: D-sub 15-pin (RS-232C) x 1, D-sub 15-pin (RS-422C) x 1
	SERIAL OUT: D-sub 15-pin (RS-422C) x 1
	REMOTE 1 IN: M3 jack x 1
	REMOTE 1 OUT: M3 jack x 1
	REMOTE 2 IN: D-sub 9-pin x 1
	DVI-D IN: DVI-D 24-pin x 1, HDCP compliant
	LAN: RJ-45 x 1, compliant with PLink™, 10Base-T/100Base-TX
Dimensions (W x H x D):	580 x 280 x 600 mm (22-13/16" x 6-9/16" x 16-7/8") (without lens)
Weight:	35 kg (77.2 lbs) or less (without lens)
Operating temperature:	0°–45°C (32°–113°F)
Operating humidity:	10%–80% (no condensation)

* Shift range is limited during simultaneous horizontal and vertical shifting.

DLP™-Based Projector

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Remote Control Unit

Power supply:

3 V DC (AA battery x 2)

Operation range*:

Approx. 30 m when operated from directly in front of the signal receptor

Dimensions (W x H x D):

51 x 176 x 22.7 mm (2" x 6-15/16" x 7/8")

Optional Accessories

Zoom lens (1.5–2.0:1):

ET-D75LE1

Zoom lens (2.0–3.0:1):

ET-D75LE2

Zoom lens (3.0–5.0:1):

ET-D75LE3

Zoom lens (5.0–8.0:1):

ET-D75LE4

Zoom lens (8.0–15.0:1):

ET-D75LE8

Fixed-focus lens (0.8:1):

ET-D75LE5

SDI/Network board:

ET-MD77SD1 (480p, 576i)

HD/SDI/Network board:

ET-MD77SD3 (720/60p, 720/50p, 1035/60i, 1080/60i, 1080/50i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p)

DVI/Network board:

ET-MD77DV

Operation range differs depending on environments.*Weights and dimensions shown are approximate.****Specifications subject to change without notice.**

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Projection distance (screen aspect ratio 16:9)

Screen size (inch, diagonal)	ET-D75LE1 Zoom lens (1.5–2.0:1)		ET-D75LE2 Zoom lens (2.0–3.0:1)		ET-D75LE3 Zoom lens (3.75–6.25:1)		ET-D75LE4 Zoom lens (5.0–8.0:1)		ET-D75LE8 Zoom lens (8.0–1.5:1)		ET-D75LE5 Fixed-focus lens (0.8:1)
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	
70	2.32 7.6	3.10 9.9	3.14 10.3	4.72 15.5	4.73 15.5	7.94 26.0	7.94 26.1	12.71 41.7	12.43 40.8	23.65 77.6	1.15 3.78
80	2.66 8.7	3.56 11.7	3.60 11.8	5.41 17.7	5.42 17.8	9.09 29.8	9.09 29.8	14.54 47.7	14.26 46.8	27.08 88.9	1.33 4.36
90	3.01 9.9	4.02 13.2	4.06 13.3	6.10 20.0	6.11 20.0	10.24 33.6	10.25 33.6	16.38 53.7	16.09 52.8	30.51 100.1	1.50 4.98
100	3.35 11.0	4.48 14.7	4.52 14.8	6.79 22.3	6.80 22.3	11.39 37.4	11.40 37.4	18.21 59.7	17.92 58.8	33.94 111.4	1.68 5.51
120	4.04 13.2	5.39 17.7	5.44 17.8	8.17 26.8	8.18 26.8	13.69 44.9	13.70 44.9	21.87 71.7	21.58 70.8	40.80 133.9	2.03 6.67
150	5.06 16.6	6.77 22.2	6.81 22.4	10.23 33.6	10.24 33.6	17.15 56.3	17.15 56.3	27.36 89.8	27.08 88.8	51.10 167.6	2.56 8.41
200	6.78 22.2	9.15 29.7	9.11 29.9	13.68 44.9	13.69 44.9	22.90 75.1	22.91 75.2	36.51 119.8	36.23 118.9	68.25 223.9	3.45 11.30
250	8.49 27.8	11.34 37.2	11.41 37.4	17.13 56.2	17.14 56.2	28.66 94.0	28.67 94.0	45.67 149.8	45.39 148.9	85.40 280.2	4.33 14.20
300	10.20 33.5	13.63 44.7	13.71 45.0	20.57 67.5	20.58 67.5	34.42 112.9	34.42 112.9	54.82 179.9	54.54 178.9	102.55 336.5	5.21 17.09
350	11.91 39.1	15.92 52.2	16.01 52.5	24.02 78.8	24.03 78.8	40.17 131.8	40.18 131.8	63.97 209.9	63.69 209.0	119.70 392.7	- -
400	13.63 44.7	18.21 59.7	18.30 60.0	27.47 90.1	27.48 90.2	45.93 150.7	45.93 150.7	73.13 239.9	72.85 239.0	136.85 449.0	- -
500	17.05 55.9	22.78 74.7	22.90 75.1	34.36 112.7	34.37 112.8	57.44 188.5	57.45 188.5	91.43 300.0	91.16 299.1	171.16 561.5	- -
600	20.48 67.2	27.36 89.8	27.49 90.2	41.25 135.3	41.26 135.4	68.95 226.2	68.96 226.2	109.74 360.0	109.47 359.2	205.46 674.1	- -

Calculation of the projection distance

For a screen size different from the above, use the equation below to calculate the projection distance.

ET-D75LE1	16 : 9	minimum	$L \text{ (m)} = (\text{diagonal screen size in inches}) \times 0.0343 - 0.0760$
		maximum	$L \text{ (m)} = (\text{diagonal screen size in inches}) \times 0.0458 - 0.1004$
ET-D75LE2	16 : 9	minimum	$L \text{ (m)} = (\text{diagonal screen size in inches}) \times 0.0460 - 0.0795$
		maximum	$L \text{ (m)} = (\text{diagonal screen size in inches}) \times 0.0689 - 0.1064$
ET-D75LE3	16 : 9	minimum	$L \text{ (m)} = (\text{diagonal screen size in inches}) \times 0.0689 - 0.0958$
		maximum	$L \text{ (m)} = (\text{diagonal screen size in inches}) \times 0.1151 - 0.1216$
ET-D75LE4	16 : 9	minimum	$L \text{ (m)} = (\text{diagonal screen size in inches}) \times 0.1151 - 0.1158$
		maximum	$L \text{ (m)} = (\text{diagonal screen size in inches}) \times 0.1831 - 0.1013$
ET-D75LE5	16 : 9	(fixed focus)	$L \text{ (m)} = (\text{diagonal screen size in inches}) \times 0.0176 - 0.0835$
ET-D75LE8	16 : 9	minimum	$L \text{ (m)} = (\text{diagonal screen size in inches}) \times 0.1831 - 0.3862$
		maximum	$L \text{ (m)} = (\text{diagonal screen size in inches}) \times 0.3430 - 0.3598$