

T E N T A T I V E

S P E C F I L E



Product Number : **PT-D10000**

Product Name : DLPTM-Based Projector

Specifications**Main Unit**

Power supply:		220–240 V AC, 50/60 Hz
Power consumption:		TBD
DLP™ chip:	Panel size:	0.95" diagonal (4:3 aspect ratio)
	Display method:	DMD™ device x 3 (R, G, B), DLP™ system
	Pixels:	1,470,000 (1,400 x 1,050) x 3, total of 4,410,000 pixels
Lens:		Optional powered zoom/focus lenses
Lamp:		TBD
Screen size:		70–600 inches (70–300 inches with the ET-D75LE5), 4:3 aspect ratio
Brightness:		10,000 lumens (high power mode)
Contrast:		4,000:1 (full on/full off, contrast mode: high)
Resolution:	RGB:	1,400 x 1,050 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

PT-D10000

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.

Projection distance (screen aspect ratio 4:3)

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 (8.0–15.0:1)		ET-D75LE5 Fixed-focus lens (0.8:1)
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	
	70	2.07 6.8	2.77 9.1	2.80 9.2	4.21 13.8	4.23 13.9	7.09 23.3	7.10 23.3	11.37 37.3	11.09 36.4	
80	2.38 7.8	3.18 10.4	3.21 10.5	4.83 15.9	4.84 15.9	8.13 26.7	8.13 26.7	13.01 42.7	12.73 41.8	24.22 79.4	1.18 3.87
90	2.68 8.8	3.59 11.8	3.62 11.9	5.46 17.9	5.46 17.9	9.16 30.0	9.16 30.1	14.65 48.1	14.37 47.1	27.29 89.5	1.34 4.39
100	2.99 9.8	4.00 13.1	4.04 13.2	6.07 19.9	6.08 19.9	10.19 33.4	10.19 33.4	16.29 53.5	16.01 52.5	30.36 99.6	1.50 4.91
120	3.60 11.8	4.82 15.8	4.86 15.9	7.30 24.0	7.31 24.0	12.25 40.2	12.26 40.2	19.57 64.2	19.29 63.3	36.50 119.8	1.81 5.94
150	4.53 14.8	6.05 19.8	6.09 20.0	9.15 30.0	9.16 30.1	15.34 50.3	15.35 50.4	24.49 80.3	24.21 79.4	45.72 150.0	2.29 7.5
200	6.06 19.9	8.10 26.6	8.15 26.7	12.24 40.2	12.25 40.2	20.50 67.2	20.50 67.3	32.69 107.2	32.40 106.3	61.08 200.4	3.08 10.09
250	7.59 24.9	10.15 33.3	10.21 33.5	15.33 50.3	15.34 50.3	25.65 84.2	25.66 84.2	40.88 134.1	40.60 133.2	76.44 250.8	3.87 12.68
300	9.13 29.9	12.19 40.0	12.27 40.2	18.41 60.4	18.42 60.4	30.81 101.1	30.81 101.1	49.08 161.0	48.80 160.1	91.79 301.2	4.66 15.28
350	10.66 35.0	14.24 46.7	14.32 47.0	21.50 70.5	21.51 70.6	35.96 118.0	35.97 118.0	57.28 188.0	57.00 187.0	107.15 351.6	- -
400	12.19 40.0	16.29 53.5	16.38 53.7	24.58 80.7	24.60 80.7	41.12 134.9	41.12 134.9	65.47 214.8	65.19 213.9	122.51 401.9	- -
500	15.26 50.1	20.39 66.9	20.50 67.2	30.76 100.9	30.77 100.9	51.42 168.7	51.43 168.7	81.87 268.6	81.59 267.7	153.23 502.7	- -
600	18.33 60.1	24.49 80.3	24.61 80.7	36.93 121.2	36.94 121.2	61.73 202.5	61.74 202.6	98.26 322.4	97.98 321.5	183.95 603.5	- -

Calculation of the projection distance

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

ET-D75LE1	4 : 3	minimum maximum	L (m) = (diagonal screen size in inches) x 0.0307 - 0.0760 L (m) = (diagonal screen size in inches) x 0.0410 - 0.1004
ET-D75LE2	4 : 3	minimum maximum	L (m) = (diagonal screen size in inches) x 0.0412 - 0.0795 L (m) = (diagonal screen size in inches) x 0.0617 - 0.1064
ET-D75LE3	4 : 3	minimum maximum	L (m) = (diagonal screen size in inches) x 0.0617 - 0.0958 L (m) = (diagonal screen size in inches) x 0.1031 - 0.1216
ET-D75LE4	4 : 3	minimum maximum	L (m) = (diagonal screen size in inches) x 0.1031 - 0.1158 L (m) = (diagonal screen size in inches) x 0.1639 - 0.1013
ET-D75LE5	4 : 3	(fixed focus)	L (m) = (diagonal screen size in inches) x 0.0158 - 0.0835
ET-D75LE8	4 : 3	minimum maximum	L (m) = (diagonal screen size in inches) x 0.1640 - 0.3862 L (m) = (diagonal screen size in inches) x 0.3072 - 0.3598