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PT-D12000E
3-chip DLP™ Projector

The Dynamic Viewing Power of 12,000-Lumen Brightness.

PICTURE BY DLP™ A TEXAS INSTRUMENTS TECHNOLOGY

Specifications

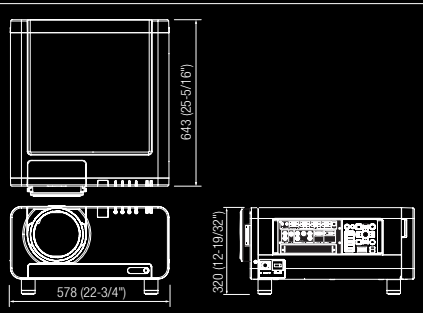
Power supply		220–240 V AC 16–9A, 50Hz/60Hz
Power consumption		1,500 W (15 W in standby mode with fan stopped)
DLP™ chip	Panel size	0.95" diagonal (4:3 aspect ratio)
	Display method	DLP™ chip x 3 (R, G, B), DLP™ projection system
	Pixels	1,470,000 (1,400 x 1,050) x 3, total of 4,410,000 pixels
Lens		Optional powered zoom/focus lenses
Lamp		300 W UHM™ lamp x 4 (four lamp system)
Screen size		70 - 600 inches,4:3 aspect ratio (70-300 inches, 4:3 aspect ratio with the ET-D75LE5)
Brightness*1		12,000 lumens (four-lamp operation mode)
Contrast ratio*1		5,000:1 (full on/full off, in Dynamic iris 3 mode)
Resolution		1,400 x 1,050 pixels (1,920 x 1,200 pixels compatible, compression mode)
RGB input scanning frequency		fH 15-100 kHz, fV 24-120 Hz Dot clock 20-162 MHz
Component signal		480i, 480p, 576i, 576p, 720/60p, 720/50p, 1035/60i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p, 1080/60i, 1080/50i, 1080/50p, 1080/60p
Video signal		fH 15.75/15.63 kHz, fV 50/60Hz (NTSC,NTSC4.43,PAL,PAL60,PAL-N,PAL-M,SECAM)
Lens shift		Vertical: ±50% (±40% with the ET-D75LE6) (powered) Horizontal: ±30% (±20% with the ET-D75LE6) (powered)
Keystone correction range		Vertical: ±40° (±22° with the ET-D75LE5, ±28° with the ET-D75LE6), Using Geometric Adjustment: Vertical ±10°, Horizontal ±15°
Terminals	DVI-D IN	DVI-D 24-pin x 1, DVI 1.0 compliant, compatible with HDCP, single link 480p, 576p, 1080/60i, 1080/50i, 1080/24p, 1080/24sF, 1080/25p, 1080/30p, 1080/60p, 1080/50p, 720/60p, 720/50p VGA (640 x 480) – WUXGA*2 (1,920 x 1,200), compatible with non-interlaced signals only, Dot clock: 25–162 MHz
	RGB1/YPBPR 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
	LAN	RJ-45 (10 Base-T/100 Base-TX) x 1, compatible with PJLink™
	SERIAL IN	D-sub 9-pin female x 2 (RS232C x 1, RS422 x 1)
	SERIAL OUT	D-sub 9-pin male x 1 (RS422 x 1)
	REMOTE 1 IN	M3 jack x1 for wired remote control
	REMOTE 1 OUT	M3 jack x1 for link control
	REMOTE 2 IN	D-sub 9-pin female x 1 for external control (parallel)
Optional board slot	With ET-MD77SD1 installed*3	SERIAL IN: BNC x 1, SD-SDI signal (YCBCR 4:2:2 10-bit): SMPTE 259M compliant: 480i, 576i SERIAL OUT: BNC x 1, active through
	With ET-MD77SD3 installed*3	SERIAL IN: BNC x 1, SD-SDI signal (YCBCR 4:2:2 10-bit): SMPTE 259M compliant: 480i, 576i Single-link HD-SDI signal (YCBCR 4:2:2 10-bit): SMPTE 292M compiant: 720/50p, 720/60p, 1035/60i, 1080/50i, 1080/60i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p SERIAL OUT: BNC x 1, active through
	With ET-MD100SD4 installed	Link A/Link B IN: BNC x 1 for each, SD-SDI signal (YCBCR 4:2:2 10-bit): SMPTE 259M compliant: 480i, 576i Single-link HD-SDI signal (YCBCR 4:2:2 10-bit): SMPTE 292M compiant: 720/50p, 720/60p, 1080/50i, 1080/60i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p Dual-link HD-SDI signal (RGB 4:4:4 12-bit/10-bit): SMPTE 372M compiant: 1920 x 1080/50i, 1920 x 1080/60i, 1920 x 1080/25p, 1920 x 1080/24p, 1920 x 1080/24sF, 1920 x 1080/30p Dual-link HD-SDI signal (X'Y'Z' 4:4:4 12-bit): 2048 x 1080/24p, 2048 x 1080/24sF

Optional board slot	With ET-MD77DV installed	Specifications are the same as those for the DVI-D IN terminal on the main unit.
Installation		Front/rear, ceiling/floor
Power cord length		3.0 m (9.9")
Dimensions (W x H x D)		578 x 320 x 643 mm (22-3/4" x 12-19/32" x 25-5/16") (without lens)
Weight*4		Approx. 35 kg (77.1 lbs) without lens
Operating temperature		0 -45 °C (32 -113 °F)*5
Operating humidity		10-80% (no condensation)
Supplied accessories		Power cord, Wireless/wired remote control unit, Batteries for remote control (3V AA battery x2), Eye bolt x4, Wire rope

*1 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.
*2 Only when using VESA CVT-RB(Reduced Blanking) signals.
*3 The LAN terminal on each board, when mounted, cannot be used because the LAN terminal on the main unit has priority.
*4 Average value. May differ depending on models.
*5 The operating temperature range is 0°C (32°F) to 40°C (104°F) when used in High-Altitude mode (1,400 m [4,593 feet] to 2,700 m [8,858 feet]). Also, if the ambient temperature exceeds 40°C (104°F) (35°C [95°F] in High-Altitude mode) when using all four lamps, the light output may be reduced approximately 30% to protect the projector.

Dimensions

unit: mm (inch)



Projection distance

Diagonal image size (aspect raio: 4:3)	Throw distance												
	ET-D75LE6 1.0-1.2:1		ET-D75LE1 1.5-2.0:1		ET-D75LE2 2.0-3.0:1		ET-D75LE3 3.0-5.0:1		ET-D75LE4 5.0-8.0:1		ET-D75LE8 7.9-15.0:1		ET-D75LE5 0.8:1
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	fixed
70"	1,393 mm 4.6'	1,662 mm 5.4'	2,072 mm 6.9'	2,768 mm 9.0'	2,801 mm 9.2'	4,215 mm 13.8'	4,226 mm 13.9'	7,094 mm 23.2'	7,101 mm 23.3'	11,374 mm 37.3'	11,091 mm 36.4'	21,142 mm 69.3'	1,022 mm 3.3'
100"	2,014 mm 6.7'	2,406 mm 7.8'	2,992 mm 9.9'	3,998 mm 13.1'	4,035 mm 13.3'	6,067 mm 19.9'	6,077 mm 20.0'	10,187 mm 33.4'	10,193 mm 33.5'	16,292 mm 53.4'	16,009 mm 52.6'	30,358 mm 99.5'	1,496 mm 4.9'
150"	3,049 mm 10.0'	3,646 mm 11.9'	4,526 mm 14.8'	6,047 mm 19.8'	6,093 mm 19.9'	9,153 mm 30.0'	9,164 mm 20.2'	1,5341 mm 50.3'	1,5348 mm 50.3'	24,488 mm 80.3'	24,207 mm 79.4'	45,717 mm 149.9'	2,286 mm 7.5'
200"	4,084 mm 13.5'	4,886 mm 16.0'	6,060 mm 19.9'	8,096 mm 26.5'	8,150 mm 26.8'	12,240 mm 40.1'	12,250 mm 40.2'	20,496 mm 67.2'	20,502 mm 67.3'	32,685 mm 107.2'	32,404 mm 106.3'	61,076 mm 200.3'	3,076 mm 10.0'
300"	6,154 mm 20.2'	7,366 mm 24.1'	9,128 mm 30.0'	12,194 mm 40.0'	12,265 mm 40.3'	18,413 mm 60.3'	18,423 mm 60.5'	30,805 mm 101.0'	30,811 mm 101.1'	49,078 mm 160.9'	48,799 mm 160.1'	91,794 mm 301.0'	4,656 mm 15.2'
400"	8,224 mm 27.0'	9,846 mm 32.2'	12,196 mm 40.1'	16,292 mm 53.4'	16,380 mm 53.8'	24,586 mm 80.6'	24,596 mm 80.7'	41,114 mm 134.8'	41,120 mm 134.9'	65,471 mm 214.7'	65,194 mm 213.9'	122,512 mm 401.8'	—
600"	12,364 mm 40.6'	14,806 mm 48.5'	18,332 mm 60.2'	24,488 mm 80.3'	24,610 mm 80.8'	36,932 mm 121.1'	36,942 mm 121.2'	61,732 mm 202.4'	61,738 mm 202.6'	98,257 mm 322.2'	97,984 mm 321.4'	183,948 mm 603.3'	—

NOTES ON USE

1. Do not install the projector in locations that are subject to excessive water, humidity, steam, or oily smoke. Doing so may result in fire, malfunction, or electric shock.
2. The projector uses a high-voltage mercury lamp that contains high internal pressure. This lamp may break, emitting a large sound, or fail to illuminate, due to impact or extended use.
3. The projector uses of high-wattage lamp that becomes very hot during operation. Please observe the following precautions.
   - Never place objects on top of the projector while it is operation.
   - Make sure there is an unobstructed space of 500 mm or more around the projector's exhaust openings.
   - Do not stack projector units directly on top of one another for the purpose of multiple (stacked) projection. When stacking projector units, be sure to provide the amount of space indicated between them. These space requirements also apply to installation where only one projector unit is operating at one time and the other unit is used as a backup.
   - If the projector is placed in a box or enclosure, temperature of the air surrounding the projector must be between 0°C and 35°C. Also make sure the projector's intake and exhaust openings are not blocked. Take particular care to ensure that hot air from the exhaust openings is not sucked into the intake.
4. If the projector is to be operated continuously 24 hours a day, use the multi-lamp optical system's alternating lamp operation (lamp changer) function. The projector can be operated continuously 24 hours a day in four-lamp operation mode, but it will automatically operate with three lamps for 8 hours of the 24 hours.
5. The lamp replacement cycle duration becomes shorter if the projector is operated repeatedly for short periods.
   - The length of time that it takes for the lamp to break or fail to illuminate varies greatly depending on individual lamp characteristics and usage conditions.
   - The brightness of the lamp will gradually decrease with use.
6. Because the ET-D75LE5 is a fixed short-throw lens, the lens shift function cannot be used with it.
7. Due to natural characteristics of lamps, screen brightness may vary (flicker). This is not an indication of faulty lamp performance.

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For more information about Panasonic projector —
http://panasonic.net/pavc/projector

Please contact Panasonic or your dealer for a demonstration.

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