

A Bright 10,600 lm^{*1} in a Compact Body



PT- DZ110XE	PT- DS100XE	PT- DW90XE
10,600 lm	10,600 lm	9,600 lm
WUXGA (1920 × 1200)	SXGA+ (1400 × 1050)	WXGA (1366 × 768)
HD/SD-SDI input	HD/SD-SDI input	-
Geometric adjustment	Geometric adjustment	-

Brightness and Picture Quality

- Panasonic's original dual-lamp system, with its new 355-W lamp, has helped to make the body as compact as Panasonic's original PT-D7700E Series, while providing a full 10,600 lm^{*1} of brightness.
- The new dynamic iris achieves a high contrast ratio of 10,000:1.
- Detail Clarity Processor 3 brings depth and clarity to details.
- System Daylight View 2 for enhanced colour perception.
- A waveform monitor function enables easy adjustment of black and white levels. (PT-DZ110XE)
- The DICOM Simulation mode reproduces easy-to-view rendering of X-ray photos.^{*2}

Reliability and Stability

- Panasonic's original Dual Lamp System eliminates the interruption if a lamp should fail (in

dual-lamp operation mode). The Lamp Relay mode also operates the lamps alternately to enable 24/7 projection. Operation is possible in temperatures up to 45°C.^{*3} A dust-resistant optical block is also employed. These features combine to ensure high reliability.

- The Auto Cleaning Filter (ACF) eliminates the need to clean the air filter for up to 10,000 hours.^{*4}



Enhanced Installation Flexibility

- A lens-centred design, a wide range of optional lenses, powered H/V-lens shift, and flexible vertical 360-degree installation enable smooth flexibility for use in various locations.
- The Multi-Unit Brightness Control function automatically adjusts and controls brightness variation over multiple screens.
- The Multi-Screen Support System optimally adjusts multiple screens.
- The Geometric Adjustment function lets you project images onto specially shaped screens

without distortion. (PT-DZ110XE/DS100XE)

- Versatile interfaces are provided, including an HD/SD-SDI input terminal (except the PT-DW90XE) and an HDMI input terminal.
- Multi Projector Monitoring & Control Software allows multiple projectors to be managed together over a wired LAN.
- Direct Power Off lets you directly shut off the power supply breaker.
- A Scheduling function enables timed operation using only the projector controls.
- Picture in Picture lets you flexibly control the layout of two windows for a wide variety of presentations.
- Environment-friendly, low standby power consumption of 0.3 W (Standby mode: eco)

^{*1} The PT-DW90XE has 9,600 lm of brightness.

^{*2} This product is not a medical instrument. Do not use it for actual medical diagnosis.

^{*3} The operating temperature is 0°C to 40°C when the fan control is set to High Altitude mode (for over 1,400 m to 2,700 m above sea level).

^{*4} The replacement cycle given here is a guideline. It may be shorter depending on the usage environment.

Specifications (Tentative)

Model	PT-DZ110XE	PT-DS100XE	PT-DW90XE
Power supply	220–240 V AC, 5 A, 50/60 Hz		
Power consumption	980 W (1,030 VA at 240 V AC) (Standby mode eco*1: 0.3 W, standby mode normal: 8 W. Both with fan stopped.)		960 W (1,000 VA at 240 V AC) (Standby mode eco*1: 0.3 W, standby mode normal: 8 W. Both with fan stopped.)
DLP™ chip	0.96-inch diagonal (16:10 aspect ratio) DLP™ chip x 3 (R, G, B), DLP™ projection system 2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels	0.95-inch diagonal (4:3 aspect ratio) DLP™ chip x 3 (R, G, B), DLP™ projection system 1,470,000 (1,400 x 1,050) x 3, total of 4,410,000 pixels	0.85-inch diagonal (16:9 aspect ratio) DLP™ chip x 3 (R, G, B), DLP™ projection system 1,049,088 (1,366 x 768) x 3, total of 3,147,264 pixels
Lens	Optional powered zoom/focus lenses		
Lamp	355 W UHM lamp x 2 (dual lamp system)		
Projection size	70–600 inches, 16:10 aspect ratio (70–300 inches with the ET-D75LE5, 16:10 aspect ratio)	70–600 inches, 4:3 aspect ratio (70–300 inches with the ET-D75LE5, 4:3 aspect ratio)	70–600 inches, 16:9 aspect ratio (70–300 inches with the ET-D75LE5, 16:9 aspect ratio)
Brightness*2	10,600 lm (dual lamp, high mode)		9,600 lm (dual lamp, high mode)
Centre-to-corner uniformity*2	90 %		
Contrast*2	10,000:1 (full on/full off, in dynamic iris 3 mode)		
Resolution	1,920 x 1,200 pixels	1,400 x 1,050 pixels (Input signals that exceed this resolution will be converted to 1,400 x 1,050 pixels.)	1,366 x 768 pixels (Input signals that exceed this resolution will be converted to 1,366 x 768 pixels.)
Scanning frequency	HDMI/DVI-D RGB YPbPr (YCbCr)	480p, 576p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/24p, 1080/24sF, 1080/25p, 1080/30p, 1080/60p, 1080/50p VGA (640 x 480)–WUXGA*3 (1,920 x 1,200), compatible with non-interlaced signals only, dot clock: 25–162 MHz fr: 15 kHz–100 kHz, fv: 24 Hz–120 Hz, dot clock: 20 MHz–162 MHz fr: 15.75 kHz, fv: 60 Hz [480/60i] / fr: 31.50 kHz, fv: 60 Hz [480/60p] / fr: 15.63 kHz, fv: 50 Hz [576/50i] fr: 31.25 kHz, fv: 50 Hz [576/50p] / fr: 37.50 kHz, fv: 50 Hz [720/50p] / fr: 45.00 kHz, fv: 60 Hz [720/60p] fr: 33.75 kHz, fv: 60 Hz [1035/60i] / fr: 33.75 kHz, fv: 60 Hz [1080/60i] / fr: 28.13 kHz, fv: 50 Hz [1080/50i] fr: 28.13 kHz, fv: 25 Hz [1080/25p] / fr: 27.00 kHz, fv: 24 Hz [1080/24p] / fr: 27.00 kHz, fv: 48 Hz [1080/24sF] fr: 33.75 kHz, fv: 30 Hz [1080/30p] / fr: 67.50 kHz, fv: 60 Hz [1080/60p] / fr: 56.25 kHz, fv: 50 Hz [1080/50p] fr: 15.75 kHz, fv: 60 Hz [NTSC/NTSC4.43/PAL-M/PAL60] / fr: 15.63 kHz, fv: 50 Hz [PAL/PAL-N/SECAM]	
Optical axis shift	Vertical Horizontal	±55% from centre of screen (powered) (±44% with the ET-D75LE6) ±20% from centre of screen (powered) (±15% with the ET-D75LE6)	±50% from centre of screen (powered) (±40% with the ET-D75LE6) ±30% from centre of screen (powered) (±20% with the ET-D75LE6)
Installation	Ceiling/floor, front/rear		
Terminals	SDI IN HDMI IN DVI-D IN RGB 1 IN RGB 2 IN VIDEO IN S-VIDEO IN SERIAL IN SERIAL OUT REMOTE 1 IN REMOTE 1 OUT REMOTE 2 IN LAN	BNC x 1: SD-SDI signal (YCbCr 4:2:2 10-bit): SMPTE 259M compliant: 480i, 576i Single-link HD-SDI signal (YPbPr 4:2:2 10-bit): SMPTE 292M compliant: 720/50p, 720/60p, 1035/60i, 1080/50i, 1080/60i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p HDMI 19-pin x 1 (Deep Color, compatible with HDCP, 480p, 576p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/24p, 1080/24sF, 1080/25p, 1080/30p, 1080/60p, 1080/50p (non-interlaced signals only), VGA (640 x 480)–WUXGA*2 (1,920 x 1,200), dot clock: 25–162 MHz DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only, 480p, 576p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/24p, 1080/24sF, 1080/25p, 1080/30p, 1080/60p, 1080/50p, VGA (640 x 480)–WUXGA*3 (1,920 x 1,200), compatible with non-interlaced signals only, dot clock: 25–162 MHz BNC x 5 (RGB/YPbPr/YCbCr x 1) D-Sub HD 15-pin (female) x 1 (RGB/YPbPr/YCbCr x 1) BNC x 1 (composite video) Mini DIN 4-pin x 1 (S-Video) D-sub 9-pin (female) x 1 (for external control, RS-232C compliant) D-sub 9-pin (male) x 1 (for link control, RS-232C compliant) M3 jack x 1 (for wired remote control) M3 jack x 1 (for link control) D-sub 9-pin (female) x 1 (for external control, contact control) RJ-45 x 1 (for network connection, 10Base-T/100Base-TX, compliant with PLink™)	
Cabinet materials	Moulded plastic		
Dimensions (W x H x D)	530 mm x 200 mm x 548.5 mm (with legs at shortest position, optional lens not included)		
Weight	Approximately 25.0 kg (optional lens not included)		
Operating environment	Operating temperature: 0°C–45°C*4, operating humidity: 10%–80% (no condensation)		
Supplied accessories	Power cord with security lock, wireless/wired remote control unit, batteries for remote control (R6 x 2), safety wire rope		

*1 In Standby mode eco, LAN-based network functions, such as the standby ON function, and the serial output terminal will not operate.

*2 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.

*3 WUXGA resolution is supported only when the signals are compliant with VESA CVT-RB (Coordinated Video Timing-Reduced Blanking).

*4 The operating temperature is 0°C to 40°C when the fan control is set to High Altitude mode (for over 1,400 m to 2,700 m above sea level).

Optional accessories

- Zoom lens (ET-D75LE6)
- Zoom lens (ET-D75LE10)
- Zoom lens (ET-D75LE20)
- Zoom lens (ET-D75LE30)
- Zoom lens (ET-D75LE4)
- Zoom lens (ET-D75LE8)
- Fixed-focus lens (ET-D75LE5)
- Lens motor cover (ET-D75MC1)
- High-ceiling mount bracket (ET-PKD310H)
- Low-ceiling mount bracket (ET-PKD310S)
- Attachment plate (ET-PAD310)
- Frame (ET-PFD310)
- Smoke cut filter (ET-SFD310)
- Replacement ACF unit (ET-ACF310)
- Replacement lamp unit (ET-LAD310)
- Replacement lamp units (twin pack) (ET-LAD310W)

Optional lens throw ratios

	PT-DZ110XE	PT-DS100XE	PT-DW90XE
ET-D75LE6	0.9–1.1:1	1.0–1.2:1	1.0–1.2:1
ET-D75LE10	1.3–1.7:1	1.4–1.8:1	1.4–1.9:1
ET-D75LE20	1.7–2.4:1	1.8–2.6:1	1.8–2.7:1
ET-D75LE30	2.4–4.7:1	2.6–5.1:1	2.7–5.2:1
ET-D75LE4	4.6–7.4:1	5.0–8.0:1	5.2–8.2:1
ET-D75LE8	7.3–13.8:1	7.9–15.0:1	8.2–15.4:1
ET-D75LE5	0.7:1	0.8:1	0.8:1

Panasonic®



Weights and dimensions shown are approximate. Specifications are subject to change without notice. This product may be subject to export regulations. All other trademarks are the property of their respective trademark owners. Projection Images simulated. DLP, DLP logo and DLP Medallion logo are trademarks or registered trademarks of Texas Instruments. The PLink trademark is an application trademark in Japan, the United States, and other countries and regions or registered trademarks. © 2010 Panasonic Corporation All rights reserved.

All information included here is valid as of April 2010.

PT-DZ110XEPRE Printed in Japan.