



**3DLP - 12000 lumens - WUXGA - 2Lamps -
Exchangeable lens - 3D / HD-SDI / Lens Memory -
Edge Blending /Geo Adjustment**

PT-DZ13K

Compact 12000 lumens-class Projector. Designed for events and staging applications

Key Features

3-chip DLP, 12000 lumens, WUXGA

High brightness and high contrast ratio make bright, crisp and sharp image

Dual lamp system with Lamp Relay mode enables 24/7 operation

10,000:1 contrast ratio

Edge blending function and colour matching





PT-DZ13K

<https://eu.connect.panasonic.com/nl/en/products/projectors/pt-dz13k>

Power Supply	120 V AC, 9.3 A, 50/60 Hz; 220-240 V AC, 5 A, 50/60 Hz
Power Consumption (120V AC, 50/60Hz)	1,000 W (1,030 VA) (0.2 W with standby mode set to eco. 6 W with standby mode set to normal. Both with fan stopped.)
Power Consumption (220-240V AC, 50/60Hz)	970 W (1,020 VA) (0.3 W with standby mode set to eco. 9 W with standby mode set to normal. Both with fan stopped.)
DLP™ Chip Panel Size	24.4 mm (0.96 inches) diagonal (16:10 aspect ratio)
DLP™ Display Method	DLP™ chip x 3, DLP™ projection system
DLP™ Pixels	2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels
Lens	Optional powered zoom/focus lenses
Lamp	380 W UHM lamps (x 2) (dual lamp, high mode)
Screen Size	1.78-25.4 m (70-1,000 inches) (1.78-15.24 m (70-600 inches) with the ET-D75LE8), 16:10 aspect ratio
Brightness	12,000 lumens (dual lamp, high mode)
Center-to-Corner Uniformity	90%
Contrast	10,000:1 (full on/full off, in dynamic iris 3 mode)
Resolution	1,920 x 1,200 pixels (Input signals that exceed this resolution will be converted to 1,920 x 1,200 pixels.)
Scanning Frequency (SDI)	Dual-link HD-SDI signal (RGB 4:4:4 12-bit/10-bit): SMPTE ST 372 compliant: 1125(1080)/60i, 1125(1080)/50i, 1125(1080)/25p, 1125(1080)/24p, 1125(1080)/24sF, 1125(1080)/30p; Dual-link HD-SDI signal (X' Y' Z' 4:4:4 12-bit): SMPTE ST 372 compliant: 2048 x 1080/24p, 2048 x 1080/24sF; 3G-SDI signal (RGB 4:4:4 12-bit/10-bit): SMPTE ST 424 compliant: 1125(1080)/60i, 1125(1080)/50i, 1125(1080)/25p, 1125(1080)/24p, 1125(1080)/24sF, 1125(1080)/30p; 3G-SDI signal (YPBPR 4:2:2 10-bit): SMPTE ST 424 compliant: 1125(1080)/60p, 1125(1080)/50p; HD-SDI signal (YPBPR 4:2:2 10-bit): SMPTE ST 292 compliant: 750(720)/60p, 750(720)/50p, 1125(1035)/60i, 1125(1080)/60i, 1125(1080)/50i, 1125(1080)/25p, 1125(1080)/24p, 1125(1080)/24sF, 1125(1080)/30p; SD-SDI signal (YCBCR 4:2:2 10-bit): SMPTE ST 259 compliant: 525i(480i), 625i(576i)
Scanning Frequency (HDMI/DVI-D/RGB)	Horizontal: 15kHz-100 kHz, vertical: 24 Hz-120 Hz, dot clock: 25MHz-162MHz or lower (HDMI/DVI: 25 MHz-162MHz)
Scanning Frequency YPBPR (YCBCR)	525i(480i): fH 15.75 kHz; fV 60 Hz, 625i(576i): fH 15.63 kHz; fV 50 Hz, 525p(480p): fH 31.50 kHz; fV 60 Hz, 625p(576p): fH 31.25 kHz; fV 50 Hz, 750(720)/60p: fH 45.00 kHz; fV 60 Hz, 750(720)/50p: fH 37.50 kHz; fV 50 Hz, 1125(1035)/60i: fH 33.75 kHz; fV 60 Hz, 1125(1080)/60i: fH 33.75 kHz; fV 60 Hz, 1125(1080)/50i: fH 28.13 kHz; fV 50 Hz, 1125(1080)/25p: fH 28.13 kHz; fV 25 Hz, 1125(1080)/24p: fH 27.00 kHz; fV 24 Hz, 1125(1080)/24sF: fH 27.00 kHz; fV 48 Hz, 1125(1080)/30p: fH 33.75 kHz; fV 30 Hz, 1125(1080)/60p: fH 67.50 kHz; fV 60 Hz, 1125(1080)/50p: fH 56.25 kHz; fV 50 Hz
Scanning Frequency (Video/S-Video)	fH: 15.75 kHz, fV: 60 Hz [NTSC/NTSC4.43/PAL-M/PAL60]; fH: 15.63 kHz, fV: 50 Hz [PAL/PAL-N/SECAM]
Optical Axis Shift Vertical	±55% (±44% with the ET-D75LE6) from center of screen, powered; NOTE: Optical axis shift function cannot be operated when used with the ET-D75LE50.
Optical Axis Shift Horizontal	±20% (±15% with the ET-D75LE6) from center of screen, powered; NOTE: Optical axis shift function cannot be operated when used with the ET-D75LE50.
Keystone Correction Range	Vertical ±40°, horizontal ±15° (vertical ±22° and horizontal ±15° with the ET-D75LE5/LE50, vertical ±28° and horizontal ±15° with the ET-D75LE6); When using only the KEYSTONE correction of the Geometric Adjustment function: Vertical ±40°, horizontal ±15°; When using the optional upgrade kit ET-UK20: Vertical ±40° and horizontal ±40° with the ET-D75LE1/LE2/LE10/LE20, vertical ±45° and horizontal ±40° with the ET-D75LE3/LE4/LE30/LE40, vertical ±22° and horizontal ±15° with the ET-D75LE5/LE50, vertical ±28° and horizontal ±15° with the ET-D75LE6; When using both the KEYSTONE and CURVED corrections of the Geometric Adjustment function: Vertical ±20°, horizontal ±15° (vertical ±8° and horizontal ±8° with the ET-D75LE5/50, vertical ±10° and horizontal ±10° with the ET-D75LE6)
Installation	Ceiling/floor, front/rear
Terminals SDI 1 In	BNC x 1, Dual-link HD-SDI signal: SMPTE ST 372 compliant (Link-A); 3G-SDI signal: SMPTE ST 424 compliant; HD-SDI signal: SMPTE ST 292 compliant; SD-SDI signal: SMPTE ST 259 compliant
Terminals SDI In 2	BNC x 1, Dual-link HD-SDI signal: SMPTE ST 372 compliant (Link-B); HD-SDI signal: SMPTE ST 292 compliant; SD-SDI signal: SMPTE ST 259 compliant
Terminals HDMI In	HDMI 19-pin x 1, Deep Color, compatible with HDCP; 525i(480i), 625i(576i), 525p(480p), 625p(576p), 750(720)/60p, 750(720)/50p, 1125(1080)/60i, 1125(1080)/50i, 1125(1080)/25p, 1125(1080)/24p, 1125(1080)/24sF, 1125(1080)/30p, 1125(1080)/60p, 1125(1080)/50p, VGA(640 x 480) - WUXGA(1,920 x 1,200), dot clock: 25 MHz-162 MHz; NOTE: Compatible with non-interlaced signals only.
Terminals DVI-D In	DVI-D 24-pin x 1, DVI 1.0 compliant, HDCP compatible, for single link only; 525i(480i), 625i(576i), 525p(480p), 625p(576p), 750(720)/60p, 750(720)/50p, 1125(1080)/60i, 1125(1080)/50i, 1125(1080)/25p, 1125(1080)/24p, 1125(1080)/24sF, 1125(1080)/30p, 1125(1080)/60p, 1125(1080)/50p, VGA(640 x 480) - WUXGA(1,920 x 1,200), dot clock: 25 MHz-162 MHz; NOTE: Compatible with non-interlaced signals only.
Terminals RGB 1 In	BNC x 5

Terminals RGB 1 In R, G, B	R: 0.7 Vp-p, 75 ohms; G: 0.7 Vp-p (G: 1.0 Vp-p for sync on G), 75 ohms; B: 0.7 Vp-p, 75 ohms; HD, VD/SYNC: TTL, high impedance, positive/negative automatic; NOTE: SYNC/HD and VD terminals do not accept tri-level sync signals.
Terminals RGB 1 In Y, PB, PR (Y, CB, CR)	Y: 1.0 Vp-p (including sync signal), PB/PR (CB/CR): 0.7 Vp-p, 75 ohms
Terminals RGB 1 In S-Video Signal	Y: 1.0 Vp-p, C: 0.286 Vp-p, 75 ohms
Terminals RGB 2 In	D-sub HD 15-pin (female) x 1
Terminals RGB 2 In R, G, B	R: 0.7 Vp-p, 75 ohms; G: 0.7 Vp-p (G: 1.0 Vp-p for sync on G), 75 ohms, B: 0.7 Vp-p, 75 ohms HD, VD/SYNC: TTL, high impedance, positive/negative automatic NOTE: SYNC/HD and VD terminals do not accept tri-level sync signals.
Terminals RGB 2 In Y, PB, PR (Y, CB, CR)	Y: 1.0 Vp-p (including sync signal), PB/PR (CB/CR): 0.7 Vp-p, 75 ohms
Terminals Video In	BNC x 1, 1.0 Vp-p, 75 ohms
Terminals 3D Sync 1 In/Out	BNC x 1, 1.0 Vp-p, 75 ohms; Input: TTL, high impedance. Output: TTL, max. 10 mA
Terminals 3D Sync 2 Out	BNC x 1, 1.0 Vp-p, 75 ohms, TTL, max. 10 mA
Terminals Serial In	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
Terminals Serial Out	D-sub 9-pin (male) x 1 for link control (RS-232C compliant)
Terminals Remoter 1 In	M3 jack x 1 for wired remote control
Terminals Remoter 1 Out	M3 jack x 1 for link control
Terminals Remoter 2 In	D-sub 9-pin x 1 for external control (parallel)
Terminals LAN	RJ-45 x 1 for network connection, 100Base-TX/10Base-T, compliant with PLink™ (class 1)
Power Cord Length	3.0 m (9 ft 10 in)
Cabinet Materials	Molded plastic
Dimensions (W x H x D)	530 x 200 x 548.5 mm (20-7/8 x 7-7/8 x 21-19/32 inches) (without lens)
Weight	24 kg (52.9 lbs) (without lens)
Operation Noise	45 dB (high mode), 43 dB (middle mode), 37 dB (eco mode)
Operating Temperature	0°C - 45°C (32°F - 113°F)
Operating Humidity	10% - 80% (no condensation)
Technology	3-chip DLP