



Designed for long-lasting stable brightness in events and staging. Laser light source, 3-chip DLP, 12 000 lumens, WUXGA projector.

PT-RZ12K

Compact 12 000 lumens Solid Shine laser Projector Designed for long-lasting stable brightness in events and staging Exchangeable lens - 24/7 Operation, Digital Link, High Frame Rate 120 Hz, Geometric Adjustment, Portrait Mode, Digital Link, 20 000:1

Key Features

Laser 3-chip DLP, 12000 lumens, WUXGA

120Hz high frame rate for superb and sharp motion pictures

Lamp-free laser projection and dust resistant liquid cooling system with 20000 hours of free maintenance

20,000:1 contrast ratio





PT-RZ12K

<https://ap.connect.panasonic.com/p/h/en/products/projectors/pt-rz12k>

Lamp	3-Chip DLP Laser
Brightness	12,000 lumens
Resolution	1,920 x 1,200 pixels (Input signals that exceed this resolution will be converted to 1,920 x 1,200 pixels.)
Power Supply	AC 100-240 V 50/60 Hz
Power Consumption	1,200 W (1,280 VA) (0.3 W with STANDBY MODE set to ECO. 4 W with STANDBY MODE set to NORMAL), Average power consumption NORMAL: 800W ECO: 680W LONG LIFE1: 620W LONG LIFE 2: 590W LONG LIFE 3: 550W *Operating Temperature: 25 °C (77 °F), Altitude: 700m (22 ft 12 in), ICE627087: 2008 Broadcast contents, Picture mode: Dynamic, Dynamic Contrast3
BTU Value	Max 4,096 BTU
DLP™ Chip Panel Size	24.4 mm (0.96 inches) diagonal (16:10 aspect ratio)
DLP™ Chip Display Method	DLP™ chip x 3 (R, G, B), DLP™ projection system
DLP™ Chip Pixels	2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels
Lens	Optional powered zoom/focus lenses
Light Source	Laser Diode (Laser class: Class 1) Luminance life for set: 20,000 hours at half luminance (normal) 24,000 hours at half luminance (Eco) * Temperature: 35°C (95°F), Altitude 700m (22ft 12in), Dust: 0.15mg/m ³ 43,800 hours at constant luminance (Longlife1) 61,320 hours at constant luminance (Longlife2) 87,600 hours at constant luminance (Longlife3)
Screen Size	1.78-25.4 m (70-1,000 inches) (16:10 aspect ratio) 1.78-15.24 m (70-600 inches) with the ET-D75LE8 (16:10 aspect ratio) 3.05-15.24 m (120-600 inches) with the ET-D75LE90 (16:10 aspect ratio)
Center-to-Corner Uniformity	90%
Contrast	20,000:1 (full on/full off, in Dynamic Contrast 3 mode)
Scanning Frequency SDI	SD-SDI signal (YCBCR 4:2:2 10-bit): SMPTE ST 259 compliant: 525i(480i), 625i(576i) Single-link 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 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 2048 x 1080/24p, 2048 x 1080/24sF, 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 (YPBPR 4:2:2 10-bit): SMPTE ST 424 compliant: 1125(1080)/60p, 1125(1080)/50p 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 Dual-link 3G-SDI signal (YPBPR 4:4:4 12-bit/10-bit): SMPTE ST 425 compliant: 1125(1080)/60i, 1125(1080)/50i, 2048 x 1080/48p, 2048 x 1080/50p, 2048 x 1080/60p Dual-link 3G-SDI signal (RGB 4:4:4 12-bit/10-bit): SMPTE ST 425 compliant: 1125(1080)/60i, 1125(1080)/50i, 2048 x 1080/48p, 2048 x 1080/50p, 2048 x 1080/60p

Scanning Frequency HDMI/DVI-D	Horizontal: 15 kHz-100 kHz, vertical: 24 Hz - 120 Hz, dot clock: 25 MHz - 162 MHz
Scanning Frequency RGB	Horizontal: 15 kHz-100 kHz, vertical: 24 Hz - 120 Hz, dot clock: 162 MHz or less
Scanning Frequency YPBPR (YCBCR)	525i (480i): fH 15.73 kHz; fV 59.94 Hz, 625i (576i): fH 15.63 kHz; fV 50 Hz, 525p (480p): fH 31.47 kHz; fV 59.94 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/Y/C	fH: 15.73 kHz, fV: 59.94 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), (+73-78% with the ET-D75LE90), from center of screen, powered
Optical Axis Shift Horizontal	±20% (±15% with the ET-D75LE6), (±6% with the ET-D75LE90), from center of screen, powered NOTE: Optical axis shift function cannot be operated when used with the ET-D75LE50.
Keystone Correction Range	Vertical : ±40° (±22° with the ET-D75LE50, ±28° with the ET-D75LE6, +5° with the ET-D75LE90), horizontal: ±15° (0° with the ET-D75LE90)
Installation	Ceiling/floor, front/rear
Terminals SDI In 1	BNC x 2, Dual-link 3G-SDI signal: SMPTE ST 425 compliant 3G-SDI (3G/HD/SD-SDI, Dual-link HD-SDI, Dual-link 3G-SDI) signal: SMPTE ST 424 compliant Dual-link HD-SDI signal: SMPTE ST 372 compliant 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, 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
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 Video in	BNC x 1, 1.0 Vp-p 75 ohms Y/C Y: 1.0 Vp-p (including sync signal), 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
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 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
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 DIGITAL LINK/LAN	RJ-45 Network connection / digital link connection (video/network/serial control) compliant with PjLink™, 100base-tx, Art-Net compatible
Power Cord Length	3.0 m (9 ft 10 in)
Cabinet Materials	Molded plastic
Dimensions (W x H x D)	578 x 323.5 x 740 mm (22-3/4 x 12-23/32 x 29-1/8 inches) (without lens)
Weight	44 kg (97.0 lbs) (without lens)
Operating Noise	43 dB
Operating Temperature	Normal

The operating temperature range is 0°C to 50°C (32 °F to 122 °F).

(Brightness is limited at operating temperatures of 35°C (95°F) or more at altitudes from 700 m to 2,700 m (2,297 ft to 8,858 ft) above sea level, and at operating temperatures of 25°C (77°F) or more at altitudes from 2,700 m to 4,200 m (8,858 ft to 13,780 ft) above sea level.)

Eco/Long life 1/2/3

The operating temperature range is 0°C to 45°C (32 °F to 113 °F).

(Brightness is limited at operating temperatures of 35°C (95°F) or more at altitudes up to 2,700 m (8,858 ft) above sea level. The projector cannot be used at altitudes of 2,700 m (8,858 ft) or more above sea level.)

When the projector is used with a Smoke Cut Filter

The operating temperature range is 0°C to 40°C (32 °F to 104 °F).

(The projector cannot be used at altitudes of 1,400 m (4,593 ft) or more above sea level.)

* The brightness of the light source may drop depending on the operating temperature range. The higher the temperature, the greater the drop in the brightness of the light source will be.

Applicable Software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro (ET-UK20 series Upgrade Kit and ET-CUK10 series Auto Screen Adjustment Kit)
Technology	3-chip DLP Laser