

Solid Shine-Laserprojektor der 30.000-Lumen-Klasse

PT-RZ31

Beeindruckende Bildqualität in einem kompakten Gehäuse speziell für Großveranstaltungen. Wartungsfreier 3 Chip DLP-Projektor mit Laserlichtquelle, 31.000 Center Lumen und WUXGA.



KEY FEATURES

- 3 Chip DLP Laser, 31.000 Center Lumen, WUXGA
- Kontrastverhältnis von 20.000:1
- Lampenfreie Laserprojektion mit staubfestem Flüssigkeitskühlsystem für 20.000 Stunden wartungsfreien Betrieb
- Geometric Manager Pro, Farbabgleich und Edge-Blending
- Hohe Frame-Rate von 120 Hz für exzellente und scharfe Filmwiedergabe

SPECIFICATIONS

Power Supply	AC 100-120 V, 50/60 Hz; AC 200-240 V, 50/60 Hz
Power Consumption	2,870 W (2,870 VA AC200V) Average power consumption (Varies depending on operation mode setting.) HIGH: 2,310W NORMAL: 1,890W LONG LIFE 1: 1,040-1,680W LONG LIFE 2: 924-1,580W LONG LIFE 3: 794-1,460W *Operating Temperature: 25 °C (77 °F), Altitude: 700m (2,297ft), IEC627087: 2008 Broadcast contents, Picture mode: Standard, Dynamic contrast [2] 0.3 W with STANDBY MODE set to ECO 4 W with STANDBY MODE set to NORMAL
BTU Value	Max 9,806 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 (1920 x1200) x3, total of 6,912,000 pixels
Lens	Optional powered zoom/focus lenses
Light Source	Laser Diode Laser class 1
Illumination Life of Set	Varies depending on operation mode setting. Luminance life for set: 18,000 hours at half luminance (HIGH)/ 8,000 hours at 70% luminance 20,000 hours at half luminance (NORMAL) 43,800 hours at constant luminance (LONG LIFE 1)/ 61,320 hours at constant luminance (LONG LIFE 2)/ 87,600 hours at constant luminance (LONG LIFE 3) * IEC62087: 2008 Broadcast contents, Dynamic contrast [3]
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-D75LE95 (16:10 aspect ratio)
Brightness*1	Varies depending on operation mode setting. 30,000 lm*2*4/31,000 lm*3*4 (Center) (HIGH) 25,000 lm*2*4/26,000 lm*3*4 (Center) (NORMAL) 12,000 lm at constant luminance (LONG LIFE 1) 10,000 lm at constant luminance (LONG LIFE 2) 8,000 lm at constant luminance (LONG LIFE 3)
Center-to-Corner Uniformity*1	90%
Contrast*1	20,000:1 (full on/full off, in Dynamic Contrast 3 mode)
Auflösung	1920 x1200 pixels (Input signals that exceed this resolution will be converted to 1920 x1200 pixels.)
Scanning Frequency Video/Y/C	fH:15.73KHz fV:59.94Hz, fH:15.63KHz fV:50Hz
Scanning Frequency RGB	<ul style="list-style-type: none"> Resolution: 640 x 400 pixels to 1920 x 1200 pixels Dot clock frequency: 162MHz or less PIAS (Panasonic Intelligent Auto Scanning)
Scanning Frequency YPBPR (YCBCR)	<ul style="list-style-type: none"> Resolution: 480i/576i to 1920 x 1080 pixels Dot clock frequency: 148.5MHz or less The SYNC/HD and VD terminals do not support 3 value SYNC.
Scanning Frequency DVI	<ul style="list-style-type: none"> Moving image signal resolution: 480i*5/576i*5 to 1920x1080 Still image signal resolution: 640 x 400 to 1920 x 1200 (non-interlace) Dot clock frequency: 25 MHz to 162 MHz
Scanning Frequency HDMI/DIGITAL LINK	<ul style="list-style-type: none"> Moving image signal resolution: 480i*5/576i*5 to 1920x1080 Still image signal resolution: 640 x 400 to 1920 x 1200 (non-interlace) Dot clock frequency: 25 MHz to 162 MHz
Scanning Frequency SDI	SD-SDI signal HD-SDI signal 3G-SDI signal
Optical Axis Shift Vertical	±55% (±44% with the ET-D75LE6), (+68-78% with the ET-D75LE95), from center of screen, powered
Optical Axis Shift Horizontal	±20% (±15% with the ET-D75LE6), (±12% with the ET-D75LE95), from center of screen, powered NOTE: Optical axis shift function cannot be operated when used with the ET-D75LE50.

Installation	Ceiling/floor, front /rear, free 360-degree installation
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
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 Y/C	Y: 1.0 Vp-p (including sync signal), C: 0.286 Vp-p, 75 ohms
Terminals RGB 1 In Video in	BNC x 1, 1.0 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 DVI-D In	DVI-D 24-pin x1 Single link, DVI 1.0 compliant, HDCP compatible
Terminals HDMI In	HDMI 19-pin x1 HDCP compatible, Deep Color compatible
Terminals SDI In 1	BNC x 1 SD-SDI signal SMPTE ST 259 compliant HD-SDI signal SMPTE ST 292 compliant 3G-SDI signal SMPTE ST 424 compliant Dual link HD-SDI (LINK-A) signal SMPTE ST 372 compliant Dual link 3G-SDI (Link 1) signal SMPTE ST 425 compliant
Terminals SDI In 2	BNC x 1 SD-SDI signal SMPTE ST 259 compliant HD-SDI signal SMPTE ST 292 compliant 3G-SDI signal SMPTE ST 424 compliant Dual link HD-SDI (LINK-B) signal SMPTE ST 372 compliant Dual link 3G-SDI (Link 2) signal SMPTE ST 425 compliant
Terminals DIGITAL LINK	RJ-45 HDBaseT™ compliant, HDCP compatible, Deep Color compatible
Terminals 3D Sync 1 In/Out / Multi Projector Sync In	BNC x 1, IN : TTL Hi-z OUT : TTL max10mA
Terminals 3D Sync 2 Out/Multi Projector Sync Out	BNC x 1, TTL max10mA
Terminals Serial In	D-sub 9 pin x 1 for external control (RS-232C compliant)
Terminals Serial Out	D-sub 9 pin x 1 for link control
Terminals Remoter 1 In	M3 stereo mini jack x 1 for wired remote control
Terminals Remoter 1 Out	M3 stereo mini 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 x 1 (for network, DIGITAL LINK connection, 100Base-TX, compatible with Art-Net, PjLink™ (class 1), Deep Color, HDCP)
Terminals DC Out 5V	USB connector (type A) x 2 for power supply only (DC 5V, Max.900mA)
Power Cord Length	3.0 m (9 ft 10 in) ft
Cabinet Materials	Processed metal parts, Molded plastic
Dimensions (W x H x D)	700 x 418*8x1,250 mm (27-9/16 x 16-15/32 x 49-7/32 inches) (with protrusion parts) 700 x 373*9x1,070 mm (27-9/16 x 14-11/16 x 42-1/8 inches) (without protrusion parts)
Weight*10	79 kg (174.2 lbs)
Operation Noise*2	49 dB
Umgebungstemperatur	Varies depending on operation mode setting. HIGH/NORMAL The operating temperature range is 0°C to 50°C (32 °F to 122 °F). (Less than 1,400m (4,593 ft) above sea level) The operating temperature range is 0°C to 45°C (32 °F to 113 °F). (Less than 1,400m (4,593 ft) to 4,200m (13,780 ft) above sea level) • If using at ambient operating temperatures of 35 °C (95 °F) or higher and at

	<p>less than 2,700m (8,858 ft) above sea level, or at ambient operating temperatures of 25 °C (77 °F) or higher and between 2,700m (8,858 ft) and 4,200m (13,780 ft) above sea level, the brightness of the light source may drop in order to protect the projector.</p> <p>LONG LIFE 1/2/3</p> <p>The operating temperature range is 0°C to 45°C (32 °F to 113 °F). (Less than 2,700m (8,858 ft) above sea level)</p> <ul style="list-style-type: none"> • If using at ambient operating temperatures of 35 °C (95 °F) or higher, the brightness of the light source may drop in order to protect the projector. <p>When using a smoke cut lter (regardless of operating mode) 0 °C to 40 °C (32 °F to 104 °F) Less than 1,400 m (4,953 ft) above sea level</p>
Operating Humidity	10%-80% (no condensation)
Note	<p>For details of the types of video signals that can be used with the projector, refer to "List of compatible signals"</p> <p>*1 When the standby mode is set to eco, network functions such as power on over the LAN network will not operate, and the serial output terminal cannot be used. Also, only certain commands can be received for external control using the serial terminal.</p> <p>*2 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.</p> <p>*3 The value of the light output at the center region of the projected image is extracted based on the light output measurement method defined by the ISO/IEC 21118:2012 international standards.</p> <p>*4 In AC200V, When using a projection lens other than ET-D75LE95.</p> <p>*5 Pixel-Repetition signal(dot clock frequency 27.0MHz) only</p> <p>*6 Only the vertical keystone correction angle can be corrected in the direction in which the projector body moves away from the screen.</p> <p>*7 When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding total of 55°.</p> <p>*8 With legs at shortest position.</p> <p>*9 Without legs.</p> <p>*10 Average value. May differ depending on the actual unit.</p>
Helligkeit	30,000 lm/31,000 lm (Center)
Technologie	3-Chip DLP Laser
Filter Life	Varies depending on operation mode setting.
Filter Life Normal Filter	4,000 hours (NORMAL)/2,000 hours (HIGH)/ 20,000 hours (LONG LIFE 1/2/3)
Filter Life Long Life Filter Unit	20,000 hours (NORMAL)/4,000 hours (HIGH)/ 40,000 hours (LONG LIFE 1/2/3)

URL: <https://business.panasonic.de/visuelle-systeme/pt-rz31>

CONTACT

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