



Laser 1-Chip DLP, 7200 lumens (centre), WUXGA, 360 degree free installation, long lasting laser engine

PT-RZ770

7,200 lumens Solid Shine laser projector Designed for intensive usage and long lasting brightness in education, museums, exhibitions and digital signage applications

Key Features

Laser 1-Chip DLP, 7200 lumens (centre), WUXGA

High brightness and excellent image quality with laser light source

Maintenance free up to 20,000 hours with dust-resistant optical block and long lasting laser engine

Free 360 degrees installation and Geometric Manager Pro function

10,000:1 contrast ratio





PT-RZ770

<https://eu.connect.panasonic.com/lu/en/projectors/pt-rz770>

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| Power Supply | AC100 - 240V 8.3A 50Hz/60Hz |
| Power Consumption | 825W |
| | NORMAL: 593W ECO: 508W LONG LIFE1: 333 - 477W |
| | LONG LIFE 2: 310 - 477W LONG LIFE 3: 286 - 477W SHUTTER: 72W |
| | STANDBY MODE [ECO]*1: 10.2W STANDBY MODE [NORMAL]: 3W |
| | STANDBY MODE (When the [QUICK STARTUP] function is enabled): Approx. 85 W |
| | *Operating Temperature: 25 °C (77 °F), Altitude: 700m (2,297 ft), |
| | ICE62087: 2008 Broadcast contents, |
| | Picture mode: Standard, Dynamic Contrast2 |
| BTU Value | Max 2,815 BTU |
| DLP™ Chip Panel Size | 17.0 mm (0.67 in) diagonal (16:10 aspect ratio) |
| DLP™ Chip Display Method | DLP™ chip x 1, DLP™ system |
| DLP™ Chip Pixels | 2,304,000 (1920 x 1200) x 3, total of 6,912,000 pixels |
| Lens PT-RZ770B/W | Powered zoom/focus lenses (1.7-2.4:1), F 1.7-1.9, f 25.6-35.7 mm |
| Lens PT-RZ770LB/LW | Optional powered zoom/focus lenses and xed-focus lens |
| Light Source | Laser Diode Laser class 1(Class3R for US models) |
| | Luminance life for set: 20,000 hours at half luminance (normal)/ |
| | 24,000 hours at half luminance (Eco) |
| | * Temperature: 30°C (86°F), Altitude 700m (2,297 ft), Dust: 0.15mg/m3 |
| | Dynamic Contrast3 |
| | 43,800 hours at constant luminance (LONG LIFE1) |
| | 61,320 hours at constant luminance (LONG LIFE2) |
| | 87,600 hours at constant luminance (LONG LIFE3) |
| Screen Size | 1.27- 15.24 m (50-600 inches) (16:10 aspect ratio) |
| | *1.27 - 5.08 m (50 - 200 inches) with the ET-DLE055 (16:10 aspect ratio) |
| | *2.54 - 7.62 m (100 - 350 inches) with the ET-DLE030 (16:10 aspect ratio) |
| Brightness*3 | 7,200 lumens (Center)*2/ 7,000 lumens*3 |
| | 7,000 lumens (Half luminance) (NORMAL) |
| | 5,600 lumens (Half luminance) (ECO) |
| | 2,800 lumens (Constant luminance) (LONG LIFE1) |
| | 2,300 lumens (Constant luminance) (LONG LIFE2) |
| | 1,900 lumens (Constant luminance) (LONG LIFE3) |
| Center-to-Corner Uniformity*3 | 90% |
| Contrast*3 | 10,000:1 (All White/All Black) (Dynamic Contrast3) |
| Scanning Frequency SDI | 3G-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, |
| | [2K/24p], [2K/25p], [2K/30p] |
| | 3G-SDI signal (YPBPR4:2:2 10-bit): |
| | SMPTE ST 424 compliant: 1125(1080)/60p, 1125(1080)/50p, |
| | [2K/48p], [2K/50p], [2K/60p] |
| | HD-SDI signal (YPBPR4:2:2 10-bit): |
| | SMPTE ST 292 compliant: 750(720)/60p, 750(720)/50p, |
| | 1125(1080)/60i, 1125(1080)/50i, 1125(1080)/25p, 1125(1080)/24p, |
| | 1125(1080)/24sF, 1125(1080)/30p |
| | SD-SDI signal (YCBCR4:2:2 10-bit): |
| | SMPTE ST 259 compliant: 525i(480i), 625i(576i)3G- |

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| Scanning Frequency HDMI/DVI-D | fH: 15- 100kHz, fV: 24 - 120Hz, dot clock: 25 - 162 MHz 525i (480i)*4, 625i (576i)*4, 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 (1920 x 1200) compatible with non-interlaced signals only |
| Scanning Frequency RGB | fH: 15- 100kHz, fV: 24 - 120Hz, dot clock: 20 - 162 MHz |
| Scanning Frequency YPBPR (YCBCR) | 525i (480i): fH 15.73 kHz; fV 59.9 Hz, 625i (576i): fH 15.63 kHz; fV 59.9 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 (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: 15.73 kHz, fV: 59.9 Hz [NTSC/NTSC4.43/PAL-M/PAL60] fH: 15.63 kHz, fV: 50 Hz [PAL/PAL-N/SECAM] |
| Optical Axis Shift | Vertical: +50%, -16%(powered), Horizontal: +30%, -10% (When using the ET-DLE085/DLE105, +28%, -10%) (powered) NOTE: Optical axis shift function cannot be operated when used with the ET-DLE055. using the ET-DLE030, the optical axis is fixed. |
| Installation | Ceiling/floor, front/rear, 360 degree free installation |
| Terminals SDI In | BNC x 1, 3G-SDI signal: SMPTE ST 424 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 |
| Terminals DVI-D In | DVI-D 24-pin x 1, DVI 1.0 compliant, compatible with HDCP, 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 |
| 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, C: 0.286 Vp-p, 75 ohms |
| Terminals RGB 1 In Video | 1.0Vp-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 Serial/Multi Projector Sync In | D-sub 9-pin (female) x 1 for external control (RS-232C compliant) |
| Terminals Serial/Multi Projector Sync 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 (for wired remote control) |
| Terminals Remoter 2 In | D-sub 9-pin (female) x1 for external control (parallel) |
| Terminals LAN/DIGITAL LINK | RJ-45 x 1 for network and DIGITAL LINK (video/network/serial control) connection, 100Base-TX, compliant with PLink™(Class 1) Deep Color, HDCP |
| Power Cord Length | 3.0 m (9 ft 10 in) |
| Cabinet Materials | Molded plastic |
| Dimensions (W x H x D) PT-RZ770B/RZ770W | 498 x 200 *5 x 581 mm (19-19/32 x 7-7/8*5 x 22-7/8in) with supplied lens |
| Dimensions (W x H x D) PT-RZ770LB/RZ770LW | 498 x 200 *5 x 538 mm (19-19/32 x 7-7/8*5 x 21-3/16in) without lens |
| Weight PT-RZ770B/RZ770W | Approx. 23.2kg (51.1lbs) with supplied lens |

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| Weight PT-RZ770LB/RZ770LW | Approx. 22.4kg (49.4lbs) without lens |
| Operation Noise | 36 dB |
| Operating Temperature | 0-45 °C (32-113 °F) *6 |
| Operating Humidity | 10%-80% (no condensation) |
| Note | <p>*1 When the STANDBY MODE is set to Eco, network functions such as power on over the LAN will not operate.</p> <p>*2 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>*3 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.</p> <p>*4 Only compatible with dot clock frequency of 27 MHz (pixel repetition signal).</p> <p>*5 with legs at shortest position.</p> <p>*6 Limits the luminance when used in locations from 0m to 2,700m (0ft to 8,858ft) above sea level at ambient temperatures of 35°C (95°F) or higher, or from 2,700m to 4,200m (8,858ft to 13,780ft) above sea level at ambient temperatures of 25°C (77°F) or higher.</p> |
| Brightness | 7,200 lumens (Center) 7,000 lumens |
| Technology | 1-Chip DLP Laser |
| Resolution | WUXGA 1,920 x 1,200 pixels |