

# 6,200 lumens Solid Shine laser projector

PT-RW620

Laser 1-Chip DLP, 6200 lumens (centre), WXGA, 360 degrees free installation, long lasting laser engine



Versatile 1-Chip DLP™ Laser Projectors

**PT-RZ770/RW730**  
**PT-RZ660/RW620**

## KEY FEATURES

- Laser 1-Chip DLP, 6200 lumens (centre), WXGA
- 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
- 10,000:1 contrast ratio

## SPECIFICATIONS

|   |  |
|---|--|
| <b>Power Supply</b>                       | AC100 - 240V 7.1A 50Hz/60Hz  |
| <b>Power Consumption</b>                  | 700W<br>NORMAL: 499W ECO: 428W LONG LIFE1: 287 - 402W<br>LONG LIFE 2: 262 - 402W LONG LIFE 3: 238 - 402W SHUTTER: 69W<br>STANDBY MODE [ECO]*1: 10.2W STANDBY MODE [NORMAL]: 3W<br>STANDBY MODE (When the [QUICK STARTUP] function is enabled): Approx. 85 W<br>*Operating Temperature: 25 °C (77 °F), Altitude: 700m (2,297 ft),<br>ICE62087: 2008 Broadcast contents,<br>Picture mode: Standard, Dynamic Contrast2  |
| <b>BTU Value</b>                          | Max 2,389BTU   |
| <b>Lens   PT-RW620B/W</b>                 | Powered zoom/focus lenses (1.7-2.4:1), F 1.7-1.9, f 25.6-35.7 mm   |
| <b>Lens   PT-RW620LB/LW</b>               | Optional powered zoom/focus lenses and xed-focus lens  |
| <b>Light Source</b>                       | Laser Diode Laser class 1 (Class3R for US models)<br>Luminance life for set: 20,000 hours at half luminance (normal)/<br>24,000 hours at half luminance (Eco)<br>* Temperature: 30 °C (86 °F), Altitude 700m (2,297 ft), Dust: 0.15mg/m3<br>Dynamic Contrast3<br>43,800 hours at constant luminance (LONG LIFE1)<br>61,320 hours at constant luminance (LONG LIFE2)<br>87,600 hours at constant luminance (LONG LIFE3)   |
| <b>Screen Size</b>                        | 1.27- 15.24 m (50-600 inches) (16:10 aspect ratio)<br>*1.27 - 5.08 m (50 - 200 inches) with the ET-DLE055 (16:10 aspect ratio)<br>*2.54 - 7.62 m (100 - 350 inches) with the ET-DLE030 (16:10 aspect ratio)  |
| <b>Brightness*3</b>                       | 6,200 lumens (Center)*2/ 6,000 lumens*3<br>6,000 lumens (Half luminance) (NORMAL)<br>4,800 lumens (Half luminance) (ECO)<br>2,400 lumens (Constant luminance) (LONG LIFE1)<br>2,000 lumens (Constant luminance) (LONG LIFE2)<br>1,600 lumens (Constant luminance) (LONG LIFE3)   |
| <b>Center-to-Corner Uniformity*3</b>      | 90%  |
| <b>Contrast*3</b>                         | 10,000:1 (All White/All Black) (Dynamic Contrast3)   |
| <b>Scanning Frequency   HDMI/DVI-D</b>    | fH: 15- 100kHz, fV: 24 - 120Hz, dot clock: 25 - 162 MHz<br>525i (480i)*4, 625i (576i)*4, 525p (480p), 625p (576p), 750 (720)/60p,<br>750 (720)/50p, 1125 (1080)/60i, 1125 (1080)/50i, 1125 (1080)/25p,<br>1125 (1080)/24p, 1125 (1080)/24sF, 1125 (1080)/30p, 1125 (1080)/60p,<br>1125 (1080)/50p, VGA (640 x 480) - WUXGA (1920 x 1200) compatible<br>with non-interlaced signals only  |
| <b>Scanning Frequency   RGB</b>           | fH: 15- 100kHz, fV: 24 - 120Hz, dot clock: 20 - 162 MHz  |
| <b>Scanning Frequency   YPBPR (YCBCR)</b> | 525i (480i): fH 15.73 kHz; fV 59.9 Hz,<br>625i (576i): fH 15.63 kHz; fV 59.9 Hz,<br>525p (480p): fH 31.50 kHz; fV 60 Hz,<br>625p (576p): fH 31.25 kHz; fV 50 Hz,<br>750 (720)/60p: fH 45.00 kHz; fV 60 Hz,<br>750 (720)/50p: fH 37.50 kHz; fV 50 Hz,<br>1125 (1080)/60i: fH 33.75 kHz; fV 60 Hz,<br>1125 (1080)/50i: fH 28.13 kHz; fV 50 Hz,<br>1125 (1080)/25p: fH 28.13 kHz; fV 25 Hz,<br>1125 (1080)/24p: fH 27.00 kHz; fV 24 Hz,<br>1125 (1080)/24sF: fH 27.00 kHz; fV 48 Hz,<br>1125 (1080)/30p: fH 33.75 kHz; fV 30 Hz,<br>1125 (1080)/60p: fH 67.50 kHz; fV 60 Hz,<br>1125 (1080)/50p: fH 56.25 kHz; fV 50 Hz |
| <b>Scanning Frequency   Video/S-Video</b> | fH: 15.73 kHz, fV: 59.9 Hz [NTSC/NTSC4.43/PAL-M/PAL60]<br>fH: 15.63 kHz, fV: 50 Hz [PAL/PAL-N/SECAM]   |
| <b>Optical Axis Shift</b>                 | Vertical: +60%, -16%(powered),<br>Horizontal: +30%, -10% (When using the ET-DLE085/DLE105, +28%, -10%)<br>(powered)<br>NOTE: Optical axis shift function cannot be operated when used with the ET-DLE055.<br>If using the ET-DLE030, the optical axis is fixed.  |
| <b>Installation</b>                       | Ceiling/floor, front/rear, 360 degree free installation  |
| <b>Terminals   HDMI In</b>                | HDMI 19-pin x 1, Deep Color, compatible with HDCP  |
| <b>Terminals   DVI-D In</b>               | DVI-D 24-pin x 1, DVI 1.0 compliant, compatible with HDCP,<br>for single link only   |

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|---|---|
| <b>Terminals   RGB 1 In</b>                         | BNC x 5   |
| <b>Terminals   RGB 1 In   R, G, B</b>               | R: 0.7 Vp-p, 75 ohms,<br>G: 0.7 Vp-p (G: 1.0 Vp-p for sync on G), 75 ohms,<br>B: 0.7 Vp-p, 75 ohms<br>HD, VD/SYNC: TTL, high impedance, positive/negative automatic   |
| <b>Terminals   RGB 1 In   Y, PB, PR (Y, CB, CR)</b> | Y:1.0 Vp-p (including sync signal), PB/PR (CB/CR): 0.7 Vp-p, 75 ohms  |
| <b>Terminals   RGB 1 In   Y/C</b>                   | Y: 1.0 Vp-p, C: 0.286 Vp-p, 75 ohms   |
| <b>Terminals   RGB 1 In   Video</b>                 | 1.0Vp-p, 75 ohms  |
| <b>Terminals   RGB 2 In</b>                         | D-sub HD 15-pin (female) x 1  |
| <b>Terminals   RGB 2 In   R, G, B</b>               | R: 0.7 Vp-p, 75 ohms,<br>G: 0.7 Vp-p (G: 1.0 Vp-p for sync on G), 75 ohms,<br>B: 0.7 Vp-p, 75 ohms<br>HD, VD/SYNC: TTL, high impedance, positive/negative automatic   |
| <b>Terminals   RGB 2 In   Y, PB, PR (Y, CB, CR)</b> | Y: 1.0 Vp-p (including sync signal), PB/PR(CB/CR): 0.7 Vp-p, 75 ohms  |
| <b>Terminals   Serial/Multi Projector Sync In</b>   | D-sub 9-pin (female) x 1 for external control (RS-232C compliant)   |
| <b>Terminals   Serial/Multi Projector Sync Out</b>  | D-sub 9-pin (male) x 1 for link control   |
| <b>Terminals   Remoter 1 In</b>                     | M3 jack x 1 for wired remote control  |
| <b>Terminals   Remoter 1 Out</b>                    | M3 jack x 1 for link control (for wired remote control)   |
| <b>Terminals   Remoter 2 In</b>                     | D-sub 9-pin (female) x1 for external control (parallel)   |
| <b>Terminals   LAN/DIGITAL LINK</b>                 | RJ-45 x 1 for network and DIGITAL LINK (video/network/serial control) connection, 100Base-TX, compliant with PLink™(Class 1) Deep Color, HDCP   |
| <b>Power Cord Length</b>                            | 3.0 m (9 ft 10 in)  |
| <b>Cabinet Materials</b>                            | Molded plastic  |
| <b>Dimensions (W x H x D)   PT-RW620B/RW620W</b>    | 498 x 200*5 x 581mm<br>(19-19/32 x 7-7/8*5 x 22-7/8in ) with supplied lens  |
| <b>Dimensions (W x H x D)   PT-RW620LB/RW620LW</b>  | 498 x 200*5 x 538 mm<br>(19-19/32 x 7-7/8*5 x 21-3/16in) without lens   |
| <b>Weight   PT-RW620B/RW620W</b>                    | Approx. 23.1kg (50.9lbs) with supplied lens   |
| <b>Weight   PT-RW620LB/RW620LW</b>                  | Approx. 22.3kg (49.2lbs) without lens   |
| <b>Operation Noise</b>                              | 35 dB   |
| <b>Operating Temperature</b>                        | 0-45 °C (32-113 °F) * 6   |
| <b>Operating Humidity</b>                           | 10%-80% (no condensation)   |
| <b>Note</b>   | *1 When the STANDBY MODE is set to Eco, network functions such as power on over the LAN will not operate.<br>*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.<br>*3 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.<br>*4 Only compatible with dot clock frequency of 27 MHz (pixel repetition signal).<br>*5 with legs at shortest position.<br>*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. |
| <b>Brightness</b>                                   | 6,200 lumens (Center)/ 6,000 lumens   |
| <b>Resolution</b>                                   | WXGA 1,280 x 800 pixels (Input signals that exceed this resolution will be converted to 1,280 x 800 pixels.)  |
| <b>Technology</b>                                   | 1-Chip DLP Laser  |
| <b>DLP™ Chip   Panel Size</b>                       | 16.5 mm (0.65 in) diagonal (16:10 aspect ratio)   |
| <b>DLP™ Chip   Display Method</b>                   | DLP™ chip x 1, DLP™ system  |
| <b>DLP™ Chip   Pixels</b>                           | 1,024,000 (1280 x 800) x 1, total of 1,024,000 pixels   |

## CONTACT

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