



**Stunning image quality in a compact body designed for large venues. Laser light source, 3-chip DLP, 31 000 centre lumens, SXGA+, maintenance-free projector.**

## PT-RS30K

30 000 lumens-class Solid Shine Laser Projector  
Stunning image quality in a compact body designed for large venues  
Exchangeable lens, 24/7 Operation, Digital Link, Geometric Adjustment, 360° flexible installation, 3D

### Key Features

Laser 3-chip DLP, 31000 lumens (centre), SXGA+

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

120Hz high frame rate for superb and sharp motion pictures

20,000:1 contrast ratio

Geometric Manager Pro, colour matching and edge blending





## PT-RS30K

<https://eu.connect.panasonic.com/nl/en/products/projectors/pt-rs30k>

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| <b>Power Supply</b>                        | AC 100-120 V, 50/60 Hz; AC 200-240 V, 50/60 Hz  |
| <b>Power Consumption</b>                   | 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   |
| <b>BTU Value</b>                           | Max 9,806 BTU   |
| <b>DLP™ Chip   Panel Size</b>              | 24.1 mm (0.95 inches) diagonal (4:3 aspect ratio)   |
| <b>DLP™ Chip   Display Method</b>          | DLP™ chip x 3 (R, G, B), DLP™ projection system   |
| <b>DLP™ Chip   Pixels</b>                  | 1,470,000 (1400 x 1050) x3, total of 4,410,000 pixels   |
| <b>Lens</b>                                | Optional powered zoom/focus lenses  |
| <b>Light Source</b>                        | Laser Diode Laser class 1   |
| <b>Illumination Life of Set</b>            | 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]   |
| <b>Filter Life</b>                         | Varies depending on operation mode setting.   |
| <b>Filter Life   Normal Filter</b>         | 4,000 hours (NORMAL)/2,000 hours (HIGH)/ 20,000 hours (LONG LIFE 1/2/3)                                 |
| <b>Filter Life   Long Life Filter Unit</b> | 20,000 hours (NORMAL)/4,000 hours (HIGH)/ 40,000 hours (LONG LIFE 1/2/3)                                |
| <b>Screen Size</b>                         | 1.78-25.4 m (70-1,000 inches) (4:3 aspect ratio)  |
|  | 1.78-15.24 m (70-600 inches) with the ET-D75LE8 (4:3 aspect ratio)                                      |
|  | 3.05-15.24 m (120-600 inches) with the ET-D75LE95 (4:3 aspect ratio)                                    |
| <b>Brightness*1</b>                        | 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)  |
| <b>Center-to-Corner Uniformity*1</b>       | 90%   |
| <b>Contrast*1</b>                          | 20,000:1 (full on/full off, in Dynamic Contrast 3 mode)   |
| <b>Resolution</b>                          | 1400 x 1050 pixels (Input signals that exceed this resolution will be converted to 1400 x 1050 pixels.) |
| <b>Scanning Frequency   Video/Y/C</b>      | fH:15.73KHz fV:59.94Hz, fH:15.63KHz fV:50Hz   |
| <b>Scanning Frequency   RGB</b>            | • Resolution: 640 x 400 pixels to 1920 x 1200 pixels  |
|  | • Dot clock frequency: 162MHz or less   |
|  | • PIAS (Panasonic Intelligent Auto Scanning)  |
| <b>Scanning Frequency   YPBPR (YCBCR)</b>  | • 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.   |
| <b>Scanning Frequency   DVI</b>            | • 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  |

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| <b>Scanning Frequency   HDMI/DIGITAL LINK</b>                 | <ul style="list-style-type: none"> <li>Moving image signal resolution: 480i*5/576i*5 to 1920x1080</li> <li>Still image signal resolution: 640 x 400 to 1920 x 1200 (non-interface)</li> <li>Dot clock frequency: 25 MHz to 162 MHz</li> </ul>         |
| <b>Scanning Frequency   SDI</b>                               | <ul style="list-style-type: none"> <li>SD-SDI signal</li> <li>HD-SDI signal</li> <li>3G-SDI signal</li> </ul>   |
| <b>Optical Axis Shift   Vertical</b>                          | ±50% (±40% with the ET-D75LE6), (+67-71% with the ET-D75LE95), from center of screen, powered   |
| <b>Optical Axis Shift   Horizontal</b>                        | ±30% (±20% with the ET-D75LE6), (±8% with the ET-D75LE95), from center of screen, powered   |
| <b>Installation</b>   | NOTE: Optical axis shift function cannot be operated when used with the ET-D75LE50.<br>Ceiling/floor, front /rear, free 360-degree installation   |
| <b>Terminals   RGB 1 In</b>                                   | BNC x 5   |
| <b>Terminals   RGB 1 In   R, G, B</b>                         | <ul style="list-style-type: none"> <li>R: 0.7 Vp-p, 75 ohms,</li> <li>G: 0.7 Vp-p (G: 1.0 Vp-p for sync on G), 75 ohms,</li> <li>B: 0.7 Vp-p, 75 ohms</li> </ul>  |
| <b>Terminals   RGB 1 In   Y, PB, PR (Y, CB, CR)</b>           | HD, VD/SYNC: TTL, high impedance, positive/negative automatic<br>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 (including sync signal), C: 0.286 Vp-p, 75 ohms   |
| <b>Terminals   RGB 1 In   Video in</b>                        | BNC x 1, 1.0 Vp-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>                         | <ul style="list-style-type: none"> <li>R: 0.7 Vp-p, 75 ohms,</li> <li>G: 0.7 Vp-p (G: 1.0 Vp-p for sync on G), 75 ohms,</li> <li>B: 0.7 Vp-p, 75 ohms</li> </ul>  |
| <b>Terminals   RGB 2 In   Y, PB, PR (Y, CB, CR)</b>           | HD, VD/SYNC: TTL, high impedance, positive/negative automatic<br>Y: 1.0 Vp-p (including sync signal), PB/PR (CB/CR): 0.7 Vp-p, 75 ohms  |
| <b>Terminals   DVI-D In</b>                                   | DVI-D 24-pin x1<br>Single link, DVI 1.0 compliant, HDCP compatible  |
| <b>Terminals   HDMI In</b>                                    | HDMI 19-pin x1<br>HDCP compatible, Deep Color compatible  |
| <b>Terminals   SDI In 1</b>                                   | BNC x 1<br>SD-SDI signal SMPTE ST 259 compliant<br>HD-SDI signal SMPTE ST 292 compliant<br>3G-SDI signal SMPTE ST 424 compliant<br>Dual link HD-SDI (LINK-A) signal SMPTE ST 372 compliant<br>Dual link 3G-SDI (Link 1) signal SMPTE ST 425 compliant |
| <b>Terminals   SDI In 2</b>                                   | BNC x 1<br>SD-SDI signal SMPTE ST 259 compliant<br>HD-SDI signal SMPTE ST 292 compliant<br>3G-SDI signal SMPTE ST 424 compliant<br>Dual link HD-SDI (LINK-B) signal SMPTE ST 372 compliant<br>Dual link 3G-SDI (Link 2) signal SMPTE ST 425 compliant |
| <b>Terminals   DIGITAL LINK</b>                               | RJ-45<br>HDBase™ compliant, HDCP compatible, Deep Color compatible  |
| <b>Terminals   3D Sync 1 In/Out / Multi Projector Sync In</b> | BNC x 1, IN : TTL Hi-z OUT : TTL max10mA  |
| <b>Terminals   3D Sync 2 Out/Multi Projector Sync Out</b>     | BNC x 1, TTL max10mA  |
| <b>Terminals   Serial In</b>                                  | D-sub 9 pin x 1 for external control (RS-232C compliant)  |
| <b>Terminals   Serial Out</b>                                 | D-sub 9 pin x 1 for link control  |
| <b>Terminals   Remoter 1 In</b>                               | M3 stereo mini jack x 1 for wired remote control  |
| <b>Terminals   Remoter 1 Out</b>                              | M3 stereo mini jack x 1 for link control  |
| <b>Terminals   Remoter 2 In</b>                               | D-sub 9 pin x 1 for external control (parallel)   |
| <b>Terminals   DIGITAL LINK/LAN</b>                           | RJ-45 x 1 (for network, DIGITAL LINK connection, 100Base-TX, compatible with Art-Net, PjLink™ (class 1), Deep Color, HDCP)  |
| <b>Terminals   DC Out 5V</b>                                  | USB connector (type A) x 2 for power supply only (DC 5V, Max.900mA)   |
| <b>Power Cord Length</b>                                      | 3.0 m (9 ft 10 in) ft   |
| <b>Cabinet Materials</b>                                      | Processed metal parts, Molded plastic   |
| <b>Dimensions (W x H x D)</b>                                 | 700 x 418*8x1,250 mm<br>(27-9/16 x 16-15/32 x 49-7/32 inches) (with protrusion parts)<br>700 x 373*9x1,070 mm<br>(27-9/16 x 14-11/16 x 42-1/8 inches) (without protrusion parts)  |
| <b>Weight*10</b>  | 79 kg (174.2 lbs)   |
| <b>Operation Noise*2</b>                                      | 49 dB   |

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| <b>Operating Temperature</b> | <p>Varies depending on operation mode setting.</p> <p>HIGH/NORMAL</p> <p>The operating temperature range is 0°C to 50°C (32 °F to 122 °F).<br/>(Less than 1,400m (4,593 ft) above sea level)</p> <p>The operating temperature range is 0°C to 45°C (32 °F to 113 °F).<br/>(Less than 1,400m (4,593 ft) to 4,200m (13,780 ft) above sea level)</p> <ul style="list-style-type: none"> <li>• If using at ambient operating temperatures of 35 °C (95 °F) or higher and at 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.</li> </ul> <p>LONG LIFE 1/2/3</p> <p>The operating temperature range is 0°C to 45°C (32 °F to 113 °F).<br/>(Less than 2,700m (8,858 ft) above sea level)</p> <ul style="list-style-type: none"> <li>• 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.</li> </ul> <p>When using a smoke cut filter (regardless of operating mode)</p> <p>0 °C to 40 °C (32 °F to 104 °F) Less than 1,400 m (4,953 ft) above sea level</p>                                  |
| <b>Operating Humidity</b>    | 10%-80% (no condensation)   |
| <b>Note</b>                  | <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> |
| <b>Brightness</b>            | 30,000 lm/ 31,000 lm (Center)   |
| <b>Technology</b>            | 3-Chip DLP Laser  |