



The PT-RZ990 Series delivers the brightness, resolution, and colour that designers need to enhance exhibits with bright, bold, and vivid pictures

PT-RZ690

Deepen immersion in any environment with vivid, accurate colours backed by up to 10,000 lm*1 of brightness thanks to Quartet Colour Harmonizer and 1-Chip DLP™ imaging technology. With support for 4K/60p input signals, separate DIGITAL LINK and LAN terminals, and diverse optional lenses, these projectors reduce installation hassles with convenient flexibility. Engineered for 20,000 hours of maintenance-free reliability with lasting brightness and colour uniformity from the industry's leading dust-resistant optical engine.

Key Features

Laser 1-chip DLP, 6,200 lm (center)/ 6,000 lm (ANSI), WUXGA

Quartet Colour Harmonizer technology for more accurate colour reproduction

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

Supports 4K/60p Signal Input, separate DIGITAL LINK and LAN terminals





PT-RZ690

<https://ap.connect.panasonic.com/th/en/products/projectors/pt-rz690>

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|---|---|
| Projector type | 1-Chip DLP™ projector |
| DLP™ Chip Panel Size | 17.0 mm (0.67 in) diagonal (Panel size 16:10 aspect ratio) |
| DLP™ Chip Display Method | DLP™ chip x 1, DLP™ projection system |
| DLP™ chip Number of Pixels | 2,304,000 (1920 x 1200 pixels) |
| Light Source | Laser diodes |
| Light output | 6,000 lm (Normal)*1 /6,200 lm (Center)*2 / 4,800 lm (Eco)*1 /2,400 lm (Long Life 1)*1 / 2,000 lm (Long Life 2)*1 /1,600 lm (Long Life 3)*1 |
| Time until light output declines to 50 %*3 | 20,000 hours (Normal)/24,000 hours (Eco) |
| Resolution | 1920 x 1200 pixels |
| Contrast Ratio*1 | 10,000:1 (Full On/Full Off, Dynamic Contrast [3]) |
| Screen size [diagonal] | 1.27–15.24 m (50–600 in), 1.27–5.08 m (50–200 in) with ET-DLE055, 2.54–8.89 m (100–350 in) with ET-DLE035, 2.54–10.16 m (100–400 in) with ET-DLE020, 16:10 aspect ratio |
| Center-to-corner zone ratio*1 | 90 % |
| Lens | With supplied lens: Powered zoom (throw ratio 1.71–2.41:1), powered focus F 1.7–1.9, f 25.6–35.7 mm Without lens: Optional powered zoom/focus lenses |
| Lens shift*4 Vertical(From the origin point of the lens mounter) | +50 %, -16 % (+40 %, -16 % with ET-DLE060) (powered) |
| Lens shift*4 Horizontal(From the origin point of the lens mounter) | +30 %, -10 % (+10 %, -20 % with ET-DLE020, +19 %, -10 % with ET-DLE060, +28 %, -10 % with ET-DLE105/ET-DLE085) (powered) |
| Keystone Correction Range | Vertical: ±40 ° (±5 ° with ET-DLE020, ±16 ° with ET-DLE060, ±22 ° with ET-DLE105/ET-DLE085/ET-DLE055, +5 ° with ET-DLE035), Horizontal: ±15 ° (±10 ° with ET-DLE060) (cannot be operated with ET-DLE035/ET-DLE020) |
| Keystone correction range with optional ET-UK20 Upgrade Kit | Vertical: ±45 ° (±16 ° with ET-DLE060, ±40 ° with ET-DLE150/ET-DLE250/ET-DLE170, ±22 ° with ET-DLE105/ET-DLE085/ET-DLE055), Horizontal: ±40 ° (±10 ° with ET-DLE060, ±15 ° with ET-DLE105/ET-DLE085/ET-DLE055) When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding a total of 55 °. |
| Terminals SDI In | BNC x 1: 3G/HD/SD-SDI input |
| Terminals HDMI In | HDMI 19-pin x 1 (Compatible with HDCP 2.2, Deep Color, 4K/60p signal input*5) |
| Terminals DVI-D In | DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only) |
| Terminals RGB 1 In | RGB x 1 (BNC x 5): RGB/YBPBR/YCBCR |
| Terminals RGB 2 In | D-sub HD 15-pin (female) x 1: RGB/YBPBR/YCBCR |
| 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 REMOTE 1 IN | M3 x 1 for wired remote control |
| Terminals REMOTE 1 OUT | M3 x 1 for link control (for wired remote control) |
| Terminals Remote 2 In | D-sub 9-pin (female) x 1 for external control (parallel) |
| Terminals DIGITAL LINK | RJ-45 x 1 for network and DIGITAL LINK connections (HDBase™ compliant), PjLink™ (Class 2) compatible, 100Base-TX, Art-Net compatible, HDCP 2.2 compatible, Deep Color compatible, 4K/60p signal input*5 |
| Terminals LAN | RJ-45 x 1 for network connection, PjLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible |
| Power Supply | AC 100–240 V, 50/60 Hz |
| Power Consumption | 490 W (Normal)/395 W (Eco)/ 200 W (Long Life 1)/180 W (Long Life 2)/ 160 W (Long Life 3) |
| Operation noise*1 | 35 dB (Normal) |
| Dimensions (W x H x D) | With supplied lens: 498 x 200*6 x 581 mm (19 19/32" x 7 7/8" *6 x 22 7/8") Without lens: 498 x 200*6 x 538 mm (19 19/32" x 7 7/8" *6 x 21 3/16") |
| Weight*7 | With supplied lens: Approx. 22.1 kg (48.7 lbs) Without lens: Approx. 21.3 kg (47.0 lbs) |
| Operating Environment | Operating temperature: 0–45 °C (32–113 °F)*8 , operating humidity: 10–80 % (no condensation) |
| Applicable Software | Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro (ET-UK20 Upgrade Kit, ET-CUK10 Auto Screen Adjustment Kit), Smart Projector Control for iOS/Android™ |

Note
*1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. *2 Average light-output value of all shipped products measured at center of screen in NORMAL Mode. *3 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, NORMAL Mode, Dynamic Contrast [ON], under conditions with 35 °C (95 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m3 of particulate matter. Estimated time until light output declines to 50 % varies depending on environment. *4 Lens shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE035. *5 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI @. *6 Excluding legs. *7 Average value. May differ depending on the actual unit.

