

**Packing 12,500 lm*¹ Brightness
into a Compact Body, the PT-RZ120 Dual-Drive
SOLID SHINE Laser Projector Lets You Do More**



| | PT-RZ120B | PT-RZ120W | PT-RZ120LB | PT-RZ120LW |
|---------------|--|-----------|--------------|------------|
| Brightness | 12,500 lm (Center)* ¹ / 12,000 lm* ² | | | |
| Resolution | WUXGA | | | |
| Contrast | 10,000:1* ³ | | | |
| Cabinet Color | Black | White | Black | White |
| Lens | With supplied lens | | Without lens | |

High-Quality Pictures and Long-Lasting Reliability

- Combines 1-Chip DLP™ imaging with proprietary SOLID SHINE Laser technology for accurate and immersive pictures at 12,500 lm*¹
- Dynamic Contrast realizes high 10,000:1*³ contrast without losing brightness
- Detail Clarity Processor 3 clarifies and enhances the finest details
- System Daylight View 3 optimization for sharp and vivid images in bright environments

Consistently Stable and Reliable Performance

- Dust-resistant projector structure with airtight optical block
- Dual-drive laser optical engine with dual phosphor wheels assures reliable 24/7 operation with light-source failover protection
- Up to 20,000 hours of continuous maintenance-free operation*⁴
- Efficient cooling system for stable operation in ambient temperatures of up to 45 °C (113 °F)*⁵
- Seamless backup signal input switching if primary signal transmission is interrupted

Versatile System Adaptability and Flexible Installation

- Shares optional lenses*⁶ with Panasonic 1-Chip DLP™ projector family
- Compact body and free 360-degree installation (vertical and horizontal)
- DIGITAL LINK/HDMI® support transmission of uncompressed 4K signals
- Built-in Geometric Adjustment for projection onto specially shaped screens
- Supports Geometry Manager Pro and optional Upgrade Kit (ET-UK20)
- Auto Screen Adjustment Upgrade Kit (ET-CUK10/ET-CUK10P)
- Direct Power Off function allows projector shutdown from mains

*¹ Luminance measured at center of screen. *² Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. *³ With Dynamic Contrast Mode set to 3. *⁴ At 20,000 hours, projector brightness will have decreased to approximately half of its original level (Dynamic Contrast Mode: 3, Image Mode: Dynamic). Panasonic recommends cleaning or checkup at point of purchase after every 20,000-hour period (approximately). Light-source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period. *⁵ Light output may be reduced to protect the projector depending on environmental conditions. *⁶ ET-DLE030 not supported.

Specifications (Tentative)

| | | |
|--|---|---|
| Model | PT-RZ120/PT-RZ120L | |
| DLP™ chip | Panel size | 17.0 mm (0.67 in) diagonal (16:10 aspect ratio) |
| | Display method | DLP™ chip x 1, DLP™ projection system |
| Lens | PT-RZ120: Powered zoom (throw ratio 1.7–2.4:1), powered focus F 1.7–1.9, f 25.6–35.7 mm PT-RZ120L: Optional powered zoom/focus lenses | |
| Light source | Laser diodes laser Class 1 (Class 3R for US models) | |
| 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, 16:10 aspect ratio | |
| Brightness | 12,500 lm (Center)*1 / 12,000 lm*2 | |
| Center-to-corner uniformity*2 | 90 % | |
| Contrast*2 | 10,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3) | |
| Resolution | 1920 x 1200 pixels | |
| Optical axis shift*3 | Vertical (from center of screen) | +50 %, -16 % (+40%, -16% with ET-DLE060) (powered) |
| | Horizontal (from center of screen) | +30 %, -10 % (+19%, -10% with ET-DLE060 / +28 %, -10 % with ET-DLE085) (powered) |
| Keystone correction range | Vertical: ±40° (±16° with ET-DLE060, ±22° with ET-DLE085/DLE055, +5° with ET-DLE035), Horizontal: ±15° (±10° with ET-DLE060) (cannot be operated with ET-DLE035) | |
| Keystone correction range with optional ET-UK20 Upgrade Kit | Vertical: ±45° (±16° with ET-DLE060, ±40° with ET-DLE150/DLE250/supplied lens, ±22° with ET-DLE085/DLE055), Horizontal: ±40° (±10° with ET-DLE060, ±15° with ET-DLE085/DLE055). When vertical and horizontal keystone are used simultaneously, correction cannot be made exceeding total of 55°. | |
| Installation | Ceiling/floor, front/rear, free 360-degree installation | |
| Terminals | SDI IN | BNC x 1: 3G/HD/SD-SDI input |
| | HDMI IN | HDMI 19-pin x 1 (Compatible with HDCP, Deep Color) |
| | DVI-D IN | DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only) |
| | RGB 1 IN | RGB x 1 (BNC x 5): RGB/YpPr/YCbCr |
| | RGB 2 IN | D-sub HD 15-pin (female) x 1: RGB/YpPr/YCbCr |
| | SERIAL IN | D-sub 9-pin (female) x 1 for external control (RS-232C compliant) |
| | SERIAL OUT | D-sub 9-pin (male) x 1 for link control |
| | REMOTE 1 IN | M3 x 1 for wired remote control |
| | REMOTE 1 OUT | M3 x 1 for link control (for wired remote control) |
| | REMOTE 2 IN | D-sub 9-pin (female) x 1 for external control (parallel) |
| | LAN | RJ-45 x 1 for network connection, 10Base-T, 100Base-TX, compatible with PjLink™ |
| | DIGITAL LINK | RJ-45 x 1 for network and DIGITAL LINK connection, 100Base-TX (Compatible with PjLink™ (Class 2), HDCP, Deep Color) |
| | Power supply | AC 120–240 V, 50/60 Hz |
| Power consumption | 1,275 W (TBD) | |
| Operation noise*2 | 46 dB (TBD) | |
| Cabinet materials | Molded plastic | |
| Dimensions (W x H x D) | PT-RZ120: 498 x 200*4 x 581 mm (19 19/32" x 7 7/8" *4 x 22 7/8") (with supplied lens) | |
| | PT-RZ120L: 498 x 200*4 x 538 mm (19 19/32" x 7 7/8" *4 x 21 3/16") (without lens) | |
| Weight*5 | PT-RZ120: Approximately 25.2 kg (55.6 lbs) (with supplied lens) (TBD) | |
| | PT-RZ120L: Approximately 24.4 kg (53.8 lbs) (without lens) (TBD) | |
| Operating environment | Operating temperature: 0–45 °C (32–113 °F)*6, operating humidity: 10–80 % (no condensation) | |
| Applicable software | Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™ | |

Note: PT-RZ120L offers the same performance as PT-RZ120, but comes without a lens.

*1 Luminance measured at center of screen. *2 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. *3 Lens shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE035. *4 With legs at shortest position. *5 Average value. May differ depending on the actual unit. *6 The light output may be reduced to protect the projector depending on the temperature or altitude of operational environment.

Optional Accessories

- **Fixed-Focus Lens** ET-DLE035 / ET-DLE055
- **Zoom Lens** ET-DLE060 / ET-DLE085 / ET-DLE105 / ET-DLE150 / ET-DLE170 / ET-DLE250 / ET-DLE350 / ET-DLE450
- **Ceiling Mount Bracket** ET-PKD130H (6-axis, for high ceiling)
ET-PKD120H (for high ceiling)
ET-PKD120S (for low ceiling)
- **Projector Mount Bracket** ET-PKD130B
- **Geometry Manager Pro Software Upgrade Kit** ET-UK20
- **Auto Screen Adjustment Upgrade Kit** ET-CUK10 / ET-CUK10P
- **Early Warning Software** ET-SWA100 Series*
Note: Part number suffix may differ depending on the license type.
* Multi Monitoring & Control Software Ver. 2.0 or later is required. Please download from the following website:
<https://panasonic.net/cns/projector/download/application/>
- **DIGITAL LINK Switcher** ET-YFB200G
- **Digital Interface Box** ET-YFB100G

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