

1-Chip DLP™ Projectors

PT-REZ15 Series

Note: Product availability may vary by country or region.

Transform Your Experience
With Evolved 1-Chip DLP™
Projectors, Delivering Up to
15,000 lm¹ on AC 100–240 V²



Black Models

White Models
(PT-REZ12/REZ10/REZ80 only)

■ Main Features

01 | Seamless, High-Contrast Visuals Deepen Engagement

New scene-recognition circuitry and a higher 25,000:1³ contrast ratio improve Dynamic Contrast, making color and tone difference stand out more dramatically. Thanks to Rich Color Enhancer, colors are vibrant yet accurate. Refined black-level adjustment enables seamless blending on curved screens, while Gradation Smoother swiftly corrects color banding. From 360° projection mapping to interactive experiences, this quiet, compact, and efficient projector empowers your vision for immersive entertainment.

02 | Compact and Flexible for an Efficient Workflow

The compact REZ15 Series streamlines complex workflows with labor-saving innovations. It supports full brightness on AC 100–240 V² and new powered lenses with throw ratios from 0.308:1. Optional function boards⁴ for Intel® SDM standard-compatible SLOT expand connectivity, with optional FMP50 Series media processors⁵ simplifying installation and setup for immersive multi-projection, reducing cabling and enabling camera-based⁶ adjustment. Other labor-saving features, such as the NFC function⁷, further enhance efficiency.

03 | New Compact Body Supports Low-Maintenance Projection

A dust-resistant structure, including an optical engine and light-source module conforming to the IP5X Dust Protected (IEC 60529) standard⁸, combines with liquid cooling to ensure 20,000 hours⁹ of maintenance-free operation. Input redundancy seamlessly transitions to a backup signal¹⁰ if the primary fails, minimizing interruptions. Multi Laser Drive Engine enhances reliability by reducing brightness loss in case of diode failure, while Remote Preview LITE supports input video previews on a PC, reducing projection errors.

| PT-REZ15 Series | | | | |
|-----------------|--|--|--|---|
| | PT-REZ15/L | PT-REZ12/L | PT-REZ10/L | PT-REZ80/L |
| Light Output | 15,000 lm ¹ /15,000 lm (ANSI) ¹¹ / 15,500 lm (Center) ¹² | 12,000 lm ¹ /12,000 lm (ANSI) ¹¹ / 12,400 lm (Center) ¹² | 10,000 lm ¹ /10,000 lm (ANSI) ¹¹ / 10,300 lm (Center) ¹² | 8,000 lm ¹ /8,000 lm (ANSI) ¹¹ / 8,200 lm (Center) ¹² |
| Resolution | WUXGA (1920 x 1200 pixels) | | | |

Note: ET-C15600 is equivalent to the supplied lens (availability may vary by country or region). Models with an "L" designation ship without a lens.



¹ Measurement, measuring conditions, and notation methods comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped. ² Maximum light output may decrease in the following situations: when a function board is installed in the slot, when voltage drops below AC 100 V, when the light source has deteriorated from use, or when dust has accumulated on the optical parts. ³ Full On/Full Off with Dynamic Contrast set to [3]. Measurement, measuring conditions, and notation method comply with ISO/IEC 21118: 2020 international standards. ⁴ Optional proprietary and third-party function boards are sold separately. Panasonic Projector & Display Corporation cannot guarantee the operation of third-party devices. ⁵ ET-FMP50/FMP20 (box type) and ET-SBFMP10 (function board type) media processors are sold separately. ⁶ Compatible cameras (sold separately) comprise NIKON® D5200/D5300/D5500/D5600/D7500/Z50 and the IDS GV-5890CP-C-HQ. See the global projector website for details on compatible cameras. ⁷ Projectors sold in some countries or regions require an ET-NUK10 Upgrade Kit from PASS to activate the NFC function. See the NFC Regional Compatibility List for details. ⁸ The Dust Protected performance of this unit is not guaranteed to be free from damage or failure under all conditions (environment with conductive dust, etc.). Please use an enclosure in environments with smoke containing oil, salt, and moisture. ⁹ Around this time, the light output will have decreased by approximately 50%. IEC62087: 2008 Broadcast Contents, NORMAL Mode, Dynamic Contrast [3], temperature 35 °C (95 °F), elevation 700m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Panasonic Projector & Display Corporation recommends a checkup at the point of purchase after about 20,000 hours. Light-source lifetime may be reduced depending on the environmental conditions. Replacement of parts other than the light source may be required in a shorter period. Estimated maintenance time varies depending on the environment. ¹⁰ Primary and backup terminal assignments are fixed. The input signals to primary and backup inputs must be identical. ¹¹ Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. ¹² Average light output value of all shipped products measured at the center of the screen in NORMAL Mode. ¹³ Only when the optional TY-SB01DL DIGITAL LINK Terminal Board is loaded. ¹⁴ Input signals are converted to the projector's display resolution (1920 x 1200 pixels) upon playback. YPbPr 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK.

Other Features

- Supports Art-Net DMX, PJLink™, Crestron Connected® V2, Crestron® XiO Cloud, and Extron XTP®
- Register user images (BMP/PNG/JPEG) for test patterns, startup logos, and screensavers¹
- Supports IPv6² network protocol
- Data-Cloning Function via LAN or USB³
- 1 USB port for power supply, 1 USB port for optional AJ-WM50 Series Wireless Module and data transfer
- New screen marker function and refreshed Web Control UI (REZ15 only)
- DICOM Simulation Mode
- Waveform Monitor Function

Learn More

For more information, please scan the QR code to access the PT-REZ15 Series product webpage at our global projector website.



¹ This feature replaces Logo Transfer Software on the REZ15 only. All models support PNG and BMP formats up to 1920 x 1200 pixels. REZ15 also supports JPEG format at the same resolution. ² Optional AJ-WM50 Series Wireless Module is not compatible with IPv6. ³ Data-cloning is supported among models in the same series with the same resolution. Excludes passwords, projector ID, and network settings.

Specifications

| Model | | PT-REZ15/L | PT-REZ12/L | PT-REZ10/L | PT-REZ80/L |
|--|------------------|--|--|---|---|
| Projector type | | 1-Chip DLP™ projectors | | | |
| DLP™ chip | Panel size | 0.8 in diagonal (16:10 aspect ratio) | | | |
| | Number of pixels | 2,304,000 (1920 x 1200 pixels) | | | |
| Light source | | Laser diode | | | |
| Light output¹,² | | 15,000 lm³ / 15,000 lm (ANSI)⁴ / 15,500 lm (Center)⁵ | 12,000 lm³ / 12,000 lm (ANSI)⁴ / 12,400 lm (Center)⁵ | 10,000 lm³ / 10,000 lm (ANSI)⁴ / 10,300 lm (Center)⁵ | 8,000 lm³ / 8,000 lm (ANSI)⁴ / 8,200 lm (Center)⁵ |
| Time until light output declines to 50 %⁶ | | 20,000 hours (NORMAL/QUIET), 24,000 hours (ECO) | | | |
| Resolution | | WUXGA (1920 x 1200 pixels) | | | |
| Contrast ratio³ | | 25,000:1 (Full On/Full Off, Dynamic Contrast [3]) | | | |
| Screen size (diagonal) | | 70–1000 inches (with ET-C15600) | | | |
| Center-to-corner zone ratio¹ | | 90 % | | | |
| Lens | | PT-REZ15/REZ12/REZ10/REZ80: Powered zoom (throw ratio 1.36–2.10:1 for supplied lens), powered focus; PT-REZ15L/REZ12L/REZ10L/REZ80L: Optional powered zoom/focus lenses | | | |
| Lens shift (From the origin point of the lens mounter) | Vertical | ±60 % (with ET-C1W400/W500/S600/T700/T800), ±50 % (with ET-C1W300/U100), +78–88 % (with ET-C1U200) | | | |
| | Horizontal | ±29 % (with ET-C1W400/W500/S600/T700/T800), ±23 % (with ET-C1W300/U100), ±9 % (with ET-C1U200) | | | |
| Keystone correction range | | Vertical: ±40° (±5° with ET-C1U100/ET-C1U200; ±10° with ET-C1W300; ±16° with ET-C1W400; ±22° with ET-C1W500) Horizontal: ±40° (±3° with ET-C1U100; ±5° with ET-C1W300; ±10° with ET-C1W400; ±15° with ET-C1W500, cannot be used with ET-C1U200) | | | |
| Terminals | HDMI™ 1/2 IN | HDMI™ x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input⁷) | | | |
| | DisplayPort™ | DisplayPort™ x 1 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input⁷) | | | |
| | MULTI SYNC IN | BNC x 1 | | | |
| | MULTI SYNC OUT | BNC x 1 | | | |
| | 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 (RS-232C compliant) | | | |
| | REMOTE 1 IN | M3 stereo mini-jack x 1 for wired remote control | | | |
| | REMOTE 1 OUT | M3 stereo mini-jack 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, PJLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible | | | |
| | USB | USB connector (Type A) x 1 for optional AJ-WM50 Series Wireless Module/USB memory | | | |
| DC OUT | | USB Type A x 1 (for power supply, DC 5 V, 2 A) | | | |
| Expansion slot | | Open slot for function boards, Intel® SDM standard-compatible | | | |
| Protocol versions | | IPv4, IPv6⁸ | | | |
| Power supply | | Single-phase AC 100–240 V, 50/60 Hz | | | |
| Maximum power consumption⁹,¹⁰ | | 1,090 W (11.5–4.7 A) (1,100 VA) (Power consumption is 1,040 W at AC 200–240 V) | 995 W (10.4–4.3 A) (1,005 VA) (Power consumption is 950 W at AC 200–240 V) | 840 W (8.8–3.7 A) (850 VA) (Power consumption is 810 W at AC 200–240 V) | 730 W (7.7–3.2 A) (740 VA) (Power consumption is 700 W at AC 200–240 V) |
| On-mode power consumption (Operating mode)⁷ | NORMAL | 945 W (AC 100–120 V) 900 W (AC 200–240 V) | 850 W (AC 100–120 V) 810 W (AC 200–240 V) | 700 W (AC 100–120 V) 675 W (AC 200–240 V) | 570 W (AC 100–120 V) 540 W (AC 200–240 V) |
| | ECO | 730 W (AC 100–120 V) 700 W (AC 200–240 V) | 650 W (AC 100–120 V) 625 W (AC 200–240 V) | 540 W (AC 100–120 V) 525 W (AC 200–240 V) | 440 W (AC 100–120 V) 425 W (AC 200–240 V) |
| | QUIET | 725 W (AC 100–120 V) 695 W (AC 200–240 V) | 640 W (AC 100–120 V) 615 W (AC 200–240 V) | 530 W (AC 100–120 V) 515 W (AC 200–240 V) | 435 W (AC 100–120 V) 420 W (AC 200–240 V) |
| | | 42 dB (NORMAL/ECO), 38 dB (QUIET) | 38 dB (NORMAL/ECO), 35 dB (QUIET) | 36 dB (NORMAL/ECO), 33 dB (QUIET) | 35 dB (NORMAL/ECO), 32 dB (QUIET) |
| Operation noise¹ | | | | | |
| Dimensions (W x H x D) | | PT-REZ15/REZ12/REZ10/REZ80: 498 x 212 x 648 mm (19 19/32" x 8 11/32" x 25 1/2") (With feet at shortest position) PT-REZ15L/REZ12L/REZ10L/REZ80L: 498 x 212 x 538 mm (19 19/32" x 8 11/32" x 21 3/16") (With feet at shortest position) | | | |
| Weight¹¹ | | PT-REZ15/REZ12/REZ10/REZ80: Approx. 28.7 kg (63.27 lbs) (with supplied lens), PT-REZ15L/REZ12L/REZ10L/REZ80L: Approx. 27.0 kg (59.52 lbs) (without lens) | | | |
| Operating environment | | Operating temperature: 0–45 °C (32–113 °F)¹², operating humidity: 10–80 % (no condensation) | | | |
| Applicable software | | Logo Transfer Software¹³, Multi Monitoring & Control Software, Projector Network Setup Software, Geometry Manager Pro, Smart Projector Control for iOS/Android¹ | | | |
| Control function via LAN | | Crestron Connected™ V2, Crestron XiO Cloud™, Art-Net DMX, AMX® DD, and PJLink™ (Class 2) | | | |

1 This is the value when the Zoom Lens (Model No.: ET-C15600) is used. The value varies depending on the lens. 2 When [OPERATING MODE] is set to [NORMAL]. 3 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped. 4 Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. 5 Average light-output value of all shipped products measured at the center of the screen. 6 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, Dynamic Contrast [3], temperature 35 °C (95 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. The estimated time until light output declines to 50 % varies depending on the environment. 7 4K signals are converted to WUXGA (1920 x 1200 pixels). 8 Optional AJ-WM50 Series Wireless Module is not compatible with IPv6. 9 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 700 m (2,297 ft). 10 This value has included a maximum power consumption of 80 W when using a function board. 11 Average value. May differ depending on the actual unit. 12 When the optional AJ-WM50 Series wireless module is attached, the operating temperature range becomes 0–40 °C (32–104 °F). The operating environment temperature should be between 0 °C (32 °F) and 40 °C (104 °F) if the projector is used at an altitude between 1,400 m (4,593 ft) and 4,200 m (13,780 ft). In the following operating environments, light output may be reduced to protect the projector: when the projector is used at altitudes below 1,400 m (4,593 ft) and ambient temperature is 35 °C (95 °F); when the projector is used at altitudes between 1,400 m (4,593 ft) and 2,700 m (8,858 ft) exclusive and ambient temperature is 30 °C (86 °F) or higher; and when the projector is used at altitudes between 2,700 m (8,858 ft) and 4,200 m (13,780 ft) exclusive and ambient temperature is 25 °C (77 °F) or higher. 13 Excluding the REZ15/L. Software replaced with equivalent functions in the Web Control UI.

Optional Accessories

- **Fixed-Focus Lens**
ET-C1U200 (0.380:1)
- **Zoom Lens**
ET-C1U100 (0.308–0.330:1) / ET-C1W300 (0.550–0.690:1) / ET-C1W400 (0.680–0.950:1) / ET-C1W500 (0.940–1.39:1) / ET-C15600 (1.36–2.10:1) / ET-C1T700 (2.07–3.38:1) / ET-C1T800 (3.3–6.6:1)
Note: Lenses are equipped with Auto Lens Identification Function. ET-C15600 is equivalent to the supplied lens (availability may vary by country or region). Models with an "L" designation ship without a lens.
- **Ceiling Mount Bracket**
ET-PKD120H (for high ceilings) / ET-PKD120S (for low ceilings) / ET-PKD130H (with 6-axis adjustment mechanism)
Note: ET-PKD120H/PKD120S/PKD130H is used in combination with ET-PKD130B (sold separately).
- **Attachment for Ceiling Mount Bracket**
ET-PKD130B
- **ET-FMP50 Series Media Processors**
ET-FMP50 / ET-FMP20 / ET-SBFAP10
Note: For more information on the ET-FMP50 Series, please visit <https://docs.connect.panasonic.com/projector/products/fmp50/>.
- **Function Boards**
12G-SDI Terminal Board (TY-SB01QS) / Wireless Presentation System Receiver Board (TY-SB01WP) / DIGITAL LINK Terminal Board (TY-SB01DL) / 12G-SDI Optical Function Board (TY-SB01FB)
- **Wireless Module** AJ-WM50 Series
Note: Availability may vary by country or region. The suffix at the end of the model number is omitted. Operating temperature: 0–40 °C (32–104 °F).
- **Wireless Presentation System PressIT** TY-WPS2 (basic set)
Note: Visit <https://docs.connect.panasonic.com/prodisplays/products/ty-wps2/> for more information.
- **NFC Upgrade Kit** ET-NUK10
Note: Availability may vary by country or region.

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