

Expand Production Possibilities and Revolutionize Workflow with Next-Generation 1-Chip DLP™ 4K Projectors



Black Models



White Models



| [Preliminary Specification] PT-REQ12 Series | | | |
|---|-------------------------------|------------------------|-----------------------|
| | PT-REQ12 | PT-REQ10 | PT-REQ80 |
| Light Output | 12,000 lm ² | 10,000 lm ² | 8,000 lm ² |
| Resolution | 4K (3840 x 2400) ³ | | |

Note: Specifications are tentative. Ships with ET-C15600 lens included.

• **Dynamic Visuals Take Production to New Heights**

REQ12 Series is among the first 1-Chip DLP™ projectors to feature Quad Pixel Drive, our 2-axis pixel-quadrupling technology, to create deep, smooth, and detailed 4K images. It supports 240 Hz⁴ projection and works with our optional real-time tracking projection-mapping system. Evolved Dynamic Contrast includes new scene-recognition circuitry to make the difference between black, white, and contrasting colors stand out dramatically and bring your content to life.

• **Effortless Workflow, Improved Expandability**

REQ12 Series responds to complex productions with expanded functions, interfaces, and options that streamline workflow. New lens lineup improves native contrast, adds powered peripheral focus⁵, and expands lens-shift range. Intel® SDM-specified slot integrates proprietary or third-party⁶ function boards to adapt and scale connectivity. You can import custom test patterns⁷, use NFC function⁸ to prep for network connection without AC power, and save time with preactivated upgrade kits for Geo Pro⁹ software.

• **New Cabinet Design for Maintenance-Free Operation**

REQ12 Series is the first 1-Chip DLP™ projector to feature an hermetically sealed optical block with all-liquid cooling, enabling 20,000 hours¹⁰ of maintenance-free projection. To prevent interruptions, Backup Input¹¹ switches to a secondary signal without screen-blanking if the primary is disrupted, while Multi Laser Drive Engine prevents brightness loss in the unlikely event of diode failure.

1 Only when optional TY-SB01DL DIGITAL LINK Terminal Board is loaded. 2 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. 3 With Quad Pixel Drive [ON]. 4 Supports input signals up to 1080p. Display frame rate corresponds to the input signal frame rate. 5 Function supported on selected lenses only. 6 Third-party Intel® SDM-specified function boards sold separately. Panasonic cannot guarantee operation of third-party devices. 7 Supports PNG (1/8/16/24/32/48/64-bit, non-transparent, alpha blending disabled) and BMP (1/8/24-bit) formats with maximum resolution of 3840 x 2400 dots. 8 Projectors sold in some countries or regions require an ET-NUK10 Upgrade Kit available from PASS to activate NFC function. See NFC Regional Compatibility List for details. 9 Visit PASS to register your projector and download free Geometry Manager Pro software. 10 Around this time, light output will have decreased by approximately 50%. IEC62087: 2008 Broadcast Contents, NORMAL Mode, Dynamic Contrast [3], temperature 35 °C (95 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Panasonic recommends checkup at point of purchase after about 20,000 hours. 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. Estimated maintenance time varies depending on environment. 11 Primary and backup terminal assignment is fixed. Input signals to primary and backup inputs must be identical.

Specifications (Tentative)

| Model | PT-REQ12 | PT-REQ10 | PT-REQ80 | | |
|---|---|---|-----------------------------------|----------------------------------|-------------|
| Projector type | 1-Chip DLP™ projectors | | | | |
| DLP™ chip | Panel size | 0.8 in diagonal (16:10 aspect ratio) | | | |
| | Display method | DLP™ chip x 1, DLP™ projection system | | | |
| | Number of pixels | 2,304,000 (1920 x 1200 pixels) | | | |
| Light source | Laser diode | | | | |
| Light output ^{1,2} | 12,000 lm | 10,000 lm | 8,000 lm | | |
| Time until light output declines to 50 % ³ | 20,000 hours (NORMAL/QUIET), 24,000 hours (ECO) | | | | |
| Resolution | 4K (3840 x 2400 pixels) (Quad Pixel Drive: ON) | | | | |
| Contrast ratio ¹ | 20,000:1 (Full On/Full Off, Dynamic Contrast [3]) (TBD) | | | | |
| Screen size (diagonal) | 70–700 inches (with supplied lens) | | | | |
| Center-to-corner zone ratio ¹ | 90 % | | | | |
| Lens | Powered zoom (throw ratio 1.36–2.19:1 for supplied lens), powered focus (optional lenses also available) | | | | |
| Lens shift (From the origin point of the lens mounter) | Vertical | ±60 % (with supplied lens) | | | |
| | Horizontal | ±29 % (with supplied lens) | | | |
| Keystone correction range | Vertical: ±40 °, Horizontal: ±40 ° (with supplied lens) | | | | |
| Installation | Ceiling/floor, front/rear, free 360-degree installation | | | | |
| Terminals | HDMI™ 1/2 IN | HDMI™ x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input) | | | |
| | DisplayPort™ | DisplayPort™ x 1 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input) | | | |
| | 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 for function boards, Intel® SDM compatible | | | |
| Protocol versions | IPv4, IPv6 ⁴ | | | | |
| Power supply | AC 100–240 V, 50/60 Hz | | | | |
| Power consumption ⁵ | Maximum power consumption | 1,050 W (10.7–4.5 A) (1,070 VA) (TBD) | 980 W (10–4.2 A) (1,000 VA) (TBD) | 760 W (7.7–3.2 A) (770 VA) (TBD) | |
| | On-mode power consumption (Operating mode) | NORMAL | 900 W (TBD) | 830 W (TBD) | 600 W (TBD) |
| | | ECO | 700 W (TBD) | 640 W (TBD) | 475 W (TBD) |
| | | QUIET | 890 W (TBD) | 630 W (TBD) | 470 W (TBD) |
| Cabinet materials | Molded plastic | | | | |
| Operation noise ¹ | 39 dB (NORMAL/ECO), 35 dB (QUIET) | 37 dB (NORMAL/ECO), 33 dB (QUIET) | 35 dB (NORMAL/ECO), 32 dB (QUIET) | | |
| Dimensions (W x H x D) | 498 x 212 x 538 mm (19 5/8" x 8 11/32" x 21 3/16") (with feet at shortest position, not including protruding parts) | | | | |
| Weight ⁶ | 28.8 kg (63.49 lbs) with supplied lens (TBD) | | | | |
| Operating environment | Operating temperature: 0–45 °C (32–113 °F) ⁷ , operating humidity: 10–80 % (no condensation) | | | | |
| Applicable software | Logo Transfer Software, Multi Monitoring & Control Software, Projector Network Setup Software, Real-Time Tracking Projection-Mapping System, Early Warning Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™ | | | | |
| Control function via LAN | Crestron Connected™ V2, Crestron XiO Cloud™, Art-Net DMX, AMX® DD, and PjLink™ (Class 2) | | | | |

¹ Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. ² When [PICTURE MODE] is set to [DYNAMIC] and [OPERATING MODE] is set to [NORMAL]. ³ Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, NORMAL Mode, Dynamic Contrast [3], temperature 35 °C (95 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Estimated time until light output declines to 50 % varies depending on environment. ⁴ Optional AJ-WM50 Series Wireless Module is not compatible with IPv6. ⁵ 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). ⁶ Average value. May differ depending on the actual unit. ⁷ When optional AJ-WM50 Series wireless module is attached, 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).

Optional Accessories

- Zoom Lens**
 ET-C1U100 (0.308–0.330:1)¹ / ET-C1W300 (0.550–0.690)² / ET-C1W400 (0.680–0.950:1)³ / ET-C1W500 (0.940–1.39:1)³ / ET-C1S600 (1.36–2.10:1)³ / ET-C1T700 (2.07–3.38:1)³
 Note: Lenses are equipped with Auto Lens Identification Function. ET-C1S600 is equivalent of supplied lens.
¹ Estimated for release in CY2023 Q4. ² Estimated for release in CY2023 Q2. ³ Estimated for release in CY2023 Q3.
- 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 used in combination with ET-PKD130B (sold separately).
- Function Boards**
 12G-SDI Terminal Board
 TY-SB01QS
 Wireless Presentation System Receiver Board
 TY-SB01WP
 DIGITAL LINK Terminal Board
 TY-SB01DL
- Attachment for Ceiling Mount Bracket**
 ET-PKD130B
- 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).
- DIGITAL LINK Switcher / Digital Interface Box**
 ET-YFB200G / ET-YFB100G
 Note: ET-YFB200G/YFB100G is not compatible with 4K signals.
- Wireless Presentation System PressIT**
 TY-WPS1 (Basic set)
 Note: Availability may vary by country or region.
- NFC Upgrade Kit**
 ET-NUK10
 Note: Availability may vary by country or region.
- Real-Time Tracking Projection-Mapping System**
 ET-SWR10
 Note: Availability may vary by country or region. Visit <https://panasonic.net/cns/projector/products/swr10> for more information.
- Early Warning Software**
 ET-SWA100 Series
 Note: Part number suffix may differ depending on the license type.

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 Projector Global Website – <https://panasonic.net/cns/projector/>
 Facebook – www.facebook.com/panasonicprojectoranddisplay
 YouTube – www.youtube.com/user/PanasonicProjector

Note: Following the shift of the Panasonic Group to a holding company system, the Connected Solutions Company of the Panasonic Corporation has changed to Panasonic Connect Co., Ltd. as of April 1, 2022.

All information included here is valid as of January 2023.

PT-REQ12PRE1 Printed in Japan.