Panasonic CONNECT

AVAILABLE FROM CY2024 Q2

PT-REQ15 Series

1-Chip DLP™ Projectors

Note: Product availability may vary by country or region.

Expand Production Possibilities and Revolutionize Your Workflow with Next-Generation 4K[1] Projectors

Black Models

White Models
(PT-REQ12/REQ10/REQ80 only)

Main Features

01 | Inspire Wonder with Spectacular 4K Visuals

Create smooth, detailed 4K[1] images, harness 2K/240 Hz[2] projection with a latency of 6 ms[3] or less, or merge digital and analog elements to gamify your attraction with our real-time tracking projection-mapping SDK[4]. REQ15 Series provides stunning high-contrast visuals with deep, accurate color courtesy of Rich Color Enhancer. From Artainment events to 360° projection mapping and interactive experiences, this quiet, compact, and efficient projector empowers your vision for tomorrow's immersive entertainment.

02 | Compact Design Simplifies Complex Workflows

The compact REQ15 Series streamlines complex workflows with labor-saving innovations. It supports full brightness on AC 100–240 V[5] and new powered lenses with throw ratios from 0.308:1. Optional proprietary and third-party function boards[6] are compatible with the Intel® SDM standard-compatible SLOT to expand connectivity or enable support for AVoIP, while optional ET-FMP50 Series media processors[7] simplify multi-projection layouts within a Panasonic ecosystem. Labor-saving features such as the NFC function[8] and auto screen adjustment via camera[9] further enhance efficiency.

03 | Supreme Reliability for Long-term Operation

A dust-resistant structure, including an optical engine and light-source module conforming to the IP5X Dust Protected (IEC 60529) standard[10], combines with liquid cooling to ensure 20,000 hours[11] of maintenance-free operation. Input redundancy seamlessly transitions to a backup signal[12] 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-REQ15 Series				
	PT-REQ15/L	PT-REQ12/L	PT-REQ10/L	PT-REQ80/L
Light Output	15,000 lm[13]/15,500 lm (Center)[14]	12,000 lm[13]/12,400 lm (Center)[14]	10,000 lm[13]/10,300 lm (Center)[14]	8,000 lm[13]/8,200 lm (Center)[14]
Resolution	4K (3840 x 2400 pixels)[15]			

Note: ET-C1S600 is equivalent to the supplied lens (availability may vary by country or region). Models with an "L" designation ship without a lens.

1 With Quad Pixel Drive [ON]. 2 Supports input signals up to 1080p. The display frame rate corresponds to the input signal frame rate. 3 Varies depending on the input signal, peripheral devices, and other factors. 4 The optional ET-SWR10 Software Development Kit (SDK) is used with third-party devices (sold separately). Compatibility with third-party devices cannot be guaranteed, and other limitations apply. 5 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. 6 Optional proprietary and third-party function boards are sold separately. Panasonic cannot guarantee the operation of third-party devices. 7 Panasonic ET-FMP50/FMP20 (box type) and ET-SBFMP10 (function board type) media processors are sold separately. 8 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. 9 Visit PASS to register your projector and download free Geometry Manager Pro software for Windows®. Compatible cameras comprise Nikon D5200/D5300/D5500/D5600/D7500. Other conditions apply. 10 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. 11 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 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. 12 Primary and backup terminal assignments are fixed. The input signals to primary and backup inputs must be identical. 13 Measurement, measuring conditions, and notation methods comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped. 14 Average light output value of all shipped products measured at the center of the screen in NORMAL Mode. 15 Maximum physical resolution with Quad Pixel Drive [ON]. 16 Only when the optional TY-SB01DL DIGITAL LINK Terminal Board is loaded.

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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 screensavers[1]
- Supports IPv6[2] network protocol
- Data-Cloning Function via LAN or USB[3]
- 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 (REQ15 only)
- DICOM Simulation Mode
- Waveform Monitor Function

Learn More

For more information, please scan the QR code to access the PT-REQ15 Series product webpage at our global projector website.

1 This feature replaces Logo Transfer Software on the REQ15 only. All models support PNG and BMP formats up to 3840 x 2400 pixels. REQ15 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-REQ15/L	PT-REQ12/L	PT-REQ10/L	PT-REQ80/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 output[1, 2]		15,000 lm / 15,500 lm (Center)[3]	12,000 lm / 12,400 lm (Center)[3]	10,000 lm / 10,300 lm (Center)[3]	8,000 lm / 8,200 lm (Center)[3]
Time until light output declines to 50 %[4]		20,000 hours (NORMAL/QUIET), 24,000 hours (ECO)			
Resolution		4K (3840 x 2400 pixels) (Quad Pixel Drive: ON)			
Contrast ratio[1]		25,000:1 (Full On/Full Off, Dynamic Contrast [3])			
Screen size (diagonal)		70–1000 inches (with ET-C1S600)			
Center-to-corner zone ratio[1]		90 %			
Lens		PT-REQ15/REQ12/REQ10/REQ80: Powered zoom (throw ratio 1.36–2.10:1 for supplied lens), powered focus; PT-REQ15L/REQ12L/REQ10L/REQ80L: Optional powered zoom/focus lenses			
Lens shift (From the origin point of the lens mounter)	Vertical	±60 % (with ET-C1W400/W500/S600/T700), ±50 % (with ET-C1W300/U100)			
	Horizontal	±29 % (with ET-C1W400/W500/S600/T700), ±23 % (with ET-C1W300/U100)			
Keystone correction range		Vertical: ±40 ° (±5 ° with ET-C1U100; ±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)			
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[5]			
Power supply		AC 100–240 V, 50/60 Hz			
Maximum power consumption[6, 7]		1,140 W (11.5–4.7 A) (1,150 VA) (Power consumption is 1,090 W at AC 200–240 V)	1,030 W (10.4–4.3 A) (1,040 VA) (Power consumption is 990 W at AC 200–240 V)	870 W (8.8–3.7 A) (880 VA) (Power consumption is 840 W at AC 200–240 V)	760 W (7.7–3.2 A) (770 VA) (Power consumption is 730 W at AC 200–240 V)
On-mode power consumption (Operatingmode)[6]	NORMAL	985 W (AC 100–120 V) 940 W (AC 200–240 V)	880 W (AC 100–120 V) 840 W (AC 200–240 V)	725 W (AC 100–120 V) 695 W (AC 200–240 V)	595 W (AC 100–120 V) 575 W (AC 200–240 V)
	ECO	765 W (AC 100–120 V) 735 W (AC 200–240 V)	680 W (AC 100–120 V) 655 W (AC 200–240 V)	565 W (AC 100–120 V) 545 W (AC 200–240 V)	470 W (AC 100–120 V) 455 W (AC 200–240 V)
	QUIET	760 W (AC 100–120 V) 730 W (AC 200–240 V)	670 W (AC 100–120 V) 645 W (AC 200–240 V)	555 W (AC 100–120 V) 535 W (AC 200–240 V)	465 W (AC 100–120 V) 450 W (AC 200–240 V)
Operation noise[1]		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)
Dimensions (W x H x D)		PT-REQ15/REQ12/REQ10/REQ80: 498 x 212 x 648 mm (19 $^{19}/_{32}$" x 8 $^{11}/_{32}$" x 25 $^{1}/_{2}$") (With feet at shortest position) PT-REQ15L/REQ12L/REQ10L/REQ80L: 498 x 212 x 538 mm (19 $^{19}/_{32}$" x 8 $^{11}/_{32}$" x 21 $^{3}/_{16}$") (With feet at shortest position)			
Weight[8]		PT-REQ15/REQ12/REQ10/REQ80: Approx. 28.7 kg (63.27 lbs) (with supplied lens), PT-REQ15L/REQ12L/REQ10L/REQ80L: Approx. 27.0 kg (59.52 lbs) (without lens)			
Operating environment		Operating temperature: 0–45 °C (32–113 °F)[9], operating humidity: 10–80 % (no condensation)			
Applicable software		Logo Transfer Software[10], Multi Monitoring & Control Software, Projector Network Setup Software, Real-Time Tracking Projection-Mapping System, 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 the average of all products when shipped. 2 When [OPERATING MODE] is set to [NORMAL]. 3 Average light output value of all shipped products measured at center of screen in [NORMAL] Mode. 4 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. Estimated time until light output declines to 50 % varies depending on the environment. 5 Optional AJ-WM50 Series Wireless Module is not compatible with IPv6. 6 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). 7 This value has included a maximum power consumption of 80 W when using a function board. 8 Average value. May differ depending on the actual unit. 9 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). 10 Excluding the REQ15. Software replaced with equivalent functions in the Web Control UI.

Optional Accessories

- **Fixed Lens** ET-C1U200[1] (0.380:1)[2]
- **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-C1S600 (1.36–2.10:1) / ET-C1T700 (2.07–3.38:1) / ET-C1T800[1] (3.3–6.6:1)[2]
  Note: Lenses are equipped with Auto Lens Identification Function. ET-C1S600 is equivalent to the supplied lens (availability may vary by country or region). Models with an "L" designation ship without a lens.
  1 Available from CY2025 Q2. 2 Throw ratio is tentative.
- **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-SBFMP10
  Note: For more information on the ET-FMP50 Series, please visit https://docs.connect.panasonic.com/projector/products/fmp50/.
- **DIGITAL LINK Switcher** ET-YFB200G
  Note: Requires TY-SB01DL DIGITAL LINK Terminal Board (sold separately). ET-YFB200G is not compatible with 4K signals.
- **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-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.

Panasonic CONNECT

For more information about Panasonic projectors, please visit:
Projector Global Website – **https://panasonic.net/cns/projector/**
Facebook – **www.facebook.com/panasonicprojectoranddisplay**
YouTube – **www.youtube.com/user/PanasonicProjector**

All information included here is valid as of May 2024.

PT-REQ15series_G1 Printed in Japan.