Panasonic CONNECT

AVAILABLE FROM CY2024 Q2

PT-REQ15 Series

1-Chip DLP™ Projectors

Note: Product availability may vary by country or region.

확장된 콘텐츠 제작기능으로 혁신적인 워크플로우를 실현시켜줄 차세대 1-Chip DLP™ 4K[1] 프로젝터

Black Models

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

■ 주요 특징

01 | 감동을 불러일으키는 화려한 4K 영상

부드럽고 세밀한 4K[1] 이미지를 생성하고, 6ms[3] 이하의 레이턴시로 2K/240Hz[2] 프로젝션을 활용하거나, 실시간 트래킹 프로젝션-매핑 시스템 SDK[4]를 통해 디지털 및 아날로그 요소를 통합하여 매력적인 영상을 구현 할 수 있습니다. REQ15 시리즈는 Rich Color Enhancer를 통해 깊고 정확한 색상으로 놀라운 고대비 영상을 제공합니다. 아트테인먼트 이벤트부터 360° 프로젝션 매핑 및 인터랙티브 경험에 이르기까지 컴팩트한 바디와 조용한 작업 환경으로 엔터테인먼트 작업에 최적화된 경험을 제공합니다.

02 | 컴팩트한 설계로 복잡한 작업을 단순화

REQ15 시리즈는 복잡한 작업 흐름을 간소화하여 작업 효율을 높일 수 있도록 컴팩트한 디자인으로 설계되었습니다. AC 100-240 V[5]의 최대 밝기와 0.308:1의 투사율을 갖춘 새로운 전동 렌즈를 지원합니다. 파나소닉 혹은 서드 파티 옵션 보드[6]는 Intel® SDM 표준 호환 SLOT과 호환되어 사용자가 원하는 다양한 접속 방법에 대응하거나 AVoIP의 지원을 가능하게 합니다. 또한 옵션품인 ET-FMP50 시리즈 (미디어 프로세서)를 통해 멀티 프로젝션의 작업과 레이아웃을 보다 단순화 할 수 있습니다. 또한 NFC 기능[8] 및 카메라를 통한 자동 화면 조정[9]과 같은 기능은 업무 효율성을 더욱 향상시킵니다.

03 | 장기간 사용을 위한 최고의 신뢰성

IP5X 방진(IEC 60529) 표준[10]을 준수하는 광학 엔진 및 광원 모듈을 포함한 방진 구조는 리퀴드 쿨링 시스템과 결합되어 20,000시간[11] 유지 관리가 필요 없는 작동을 보장합니다. 입력 이중화는 기본 신호에 장애가 발생하는 경우 백업 신호[12]로 원활하게 전환되어 작업의 중단을 최소화합니다. 멀티 레이저 드라이브 엔진은 다이오드 고장 시 밝기 손실을 줄여 제품 신뢰성을 향상시키고, Remote Preview LITE 기능은 PC에서 영상 입력 미리보기를 지원하므로, 투사시 발생 할 수 있는 오류를 줄여드립니다.

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.

AVAILABLE FROM CY2024 Q2

기타 기능

- Art-Net DMX, PJLink™, Crestron Connected® V2, Crestron® XiO Cloud 및 Extron XTP® 지원
- 테스트 패턴, 스타트업 로고, 화면 보호기용 사용자 이미지[1](BMP/PNG/JPEG) 등록
- IPv6[2] 네트워크 프로토콜 지원
- LAN 또는 USB[3]를 통한 데이터 복제 기능
- 전원 공급용 USB 포트 1개, 옵션 AJ-WM50 시리즈 무선 모듈 및 데이터 전송용 USB 포트 1개
- 새로운 화면 마커 기능 및 새로워진 웹 컨트롤 UI(REQ15에만 해당)
- DICOM 시뮬레이션 모드
- 파형 모니터 기능

자세히 보기

보다 자세한 사항은
QR 코드를 스캔하여
글로벌 프로젝터 웹사이트에서
PT-REQ15 시리즈 제품
웹페이지에 접속하세요.

1 이 기능은 REQ15의 로고 전송 소프트웨어만 대체합니다. 모든 모델은 최대 3840 x 2400픽셀의 PNG 및 BMP 형식을 지원합니다. REQ15는 동일한 해상도에서 JPEG 형식도 지원합니다. 2 옵션 AJ-WM50 시리즈 무선 모듈은 IPv6와 호환되지 않습니다. 3 동일 해상도, 동일 시리즈 모델 간 데이터 복제가 지원됩니다. 비밀번호, 프로젝터 ID, 네트워크 설정은 제외됩니다.

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.

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