Panasonic CONNECT

PT-REQ12 Series

1-Chip DLP™ Projectors

AVAILABLE FROM CY2023 Q2

차세대 1-Chip DLP 4K프로젝터로 생산성을 높이고 워크플로우에 혁신을 가져다 드립니다.

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]		

· 다이나믹 비주얼로 생산성을 새로운 차원으로 끌어올립니다.

REQ12시리즈는 당사의 기술이 적용된 쿼드 픽셀 드라이브를 탑재한 최초의 1-Chip DLP 프로젝터로 부드럽고 섬세한 4K 이미지 투사를 지원합니다. 또한 240Hz 투사를 지원하며, 실시간 추적 프로젝션 매핑 시스템(옵션)과 연동이 가능합니다. 더욱 진화된 다이나믹 콘트라스트는 새로운 장면 인식 회로 탑재로 검정, 흰색 및 색상간의 차이를 더욱 극적으로 돋보이게 하여 콘텐츠에 생동감을 더해줍니다.

· 손쉬운 작업과 향상된 확장성

REQ12시리즈는 확장된 기능, 인터페이스 및 워크플로우를 간소화 시켜주는 옵션으로 다양한 환경에도 투사가 가능합니다. 새롭게 선보이는 렌즈 라인업은 기본 콘트라스트를 개선하고, 향상된 포커스 범위와 넓어진 렌즈 시프트 범위를 지원합니다. 또한, 인텔 SDM 슬롯 탑재로 당사/타사의 보드와의 호환성을 개선하였습니다. 사용자 지정 테스트 패턴 불러오기, NFC 기능으로 AC 전원 없이 네트워크 연결 준비 및 Geo Pro 소프트웨어 업그레이드 키트를 활용하여 셋업 시 시간절약이 가능합니다.

· 새로운 본체 설계로 유지보수를 손쉽게

REQ12시리즈는 액체 냉각 시스템과 함께 밀폐형 광학 블록 탑재로 20,000 시간동안 유지 보수 없이 투사가 가능한 최초의 1-Chip DLP 프로젝터입니다. 투사 도중 오류로 인한 프로젝션 중단을 방지하기 위하여 메인 영상이 중단될 경우, 백업 입력(2차 신호)으로 자동 전환되어 투사 공백을 방지하고, Multi Laser Drive Engine 기능으로 다이오드 오류 발생 상황에서도 영상의 밝기 손실을 최소화 합니다.

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

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).

추가 악세사리

- **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)[2] / 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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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**