



진화된 1Chip DLP 프로젝터- PT-REZ12 시리즈

■ Main Features

01 | 매끄러운 투사로 몰입도 향상

새로운 장면 인식 회로와 25,000:1의 높은 명암비로 동적 명암비가 크게 향상 되었으며, Rich Color Enhancer 기술로 생생하고 선명한 투사를 지원합니다. 개선된 블랙 레벨 조정 기능으로 곡면 투사시에도 매끄러운 블렌딩이 가능하며, 그라데이션 스무더 기능으로 간편한 색상 밴딩 보정을 지원합니다.

02 | 작업시간 절약을 위한 유연성 및 확장성

REZ12 시리즈는 새로운 옵션 렌즈와 함께 사용할 수 있으며, 연결성 확장 및 옵션 보드 통합이 가능한 인텔 SDM 지원 슬롯을 탑재하여 손쉽게 프로젝션 조정이 가능합니다.

03 | 유지보수가 불필요한 프로젝션을 지원하는 새로운 컴팩트 바디

REZ12 시리즈는 IP5X 방진(IEC60529) 등급의 광학 엔진과 레이저 광원 모듈 그리고 최대 20,000시간동안 유지보수가 불필요한 정교한 액체 냉각 시스템을 탑재하였습니다. 또한 백업 입력 지원으로 주 신호가 중단될 경우 보조 신호로 전환하여 프로젝션 중단을 방지합니다.



Black Models



White Models

PT-REZ12 Series

| | PT-REZ12 | PT-REZ10 | PT-REZ80 |
|--------------|--|--|--|
| Light Output | 12,000 lm ¹¹ / 12,400 lm (Center) ¹² | 10,000 lm ¹¹ / 10,300 lm (Center) ¹² | 8,000 lm ¹¹ / 8,200 lm (Center) ¹² |
| Resolution | WUXGA (1920 x 1200) | | |

Note: ET-C15600 is equivalent to the supplied lens (availability may vary by country or region).

¹ Only when the optional TY-SB01DL DIGITAL LINK Terminal Board is loaded. ² Input signals are converted to the projector's display resolution upon playback. YPbPr 4:2:0 format only for 4K/60p signals input via DIGITAL LINK. ³ Full On/Full Off with Dynamic Contrast set to [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 Third-party and optional proprietary Intel® SDM-ready function boards sold separately. Panasonic cannot guarantee the operation of third-party devices. ⁵ Supports PNG (1/8/16/24/32/48/64-bit, non-transparent, alpha blending disabled) and BMP (1/8/24-bit) formats with a maximum resolution of 1920 x 1200 dots. ⁶ Projectors sold in some countries or regions require an ET-NUK10 Upgrade Kit available from PASS to activate the NFC function. See NFC Regional Compatibility List for details. ⁷ Visit PASS to register your projector and download free Geometry Manager Pro software. ⁸ The dust-proof 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 700 m (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 environmental conditions. Replacement of parts other than the light source may be required in a shorter period. The estimated maintenance time varies depending on the environment. ¹⁰ Primary and backup terminal assignments are fixed. Input signals to primary and backup inputs must be identical. ¹¹ 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. ¹² Average light-output value of all shipped products measured at the center of the screen in NORMAL Mode.

몰입감 넘치는 시각적 경험

25,000:1의 높은 명암비와 새로운 장면 분석 회로를 갖춘 다이내믹 콘트라스트는 흑백 및 대비되는 색상의 차이를 돋보이게 합니다. Rich Color Enhancer로 색상의 표현을 극대화하여 예술 작품을 정확하게 재현 가능하며, 그래픽이션 스무더 및 디테일 선명도 프로세서4를 탑재하여 압도적으로 사실적인 경험을 선사합니다. 또한, 21:9 비율의 콘텐츠를 투사할 지원합니다.

간편한 설치 및 통합

가볍고 컴팩트한 REZ12 시리즈는 제약적인 설치 공간에 적합한 유연한 디자인으로 작업환경의 제약을 줄여줍니다. 자동 주변부 조정 조정 기능 및 더 넓은 시프트 범위를 갖춘 새로운 렌즈를 지원하며, 인텔 SDM 슬롯 탑재로 연결성을 확장하고, 새로운 센서로 탑재로 GUI를 통해 투사각도 표시를 지원합니다. 사전 활성화 업그레이트 키트 Geo Pro 및 개선된 블랙 레벨조정 기능으로 곡면 스크린 매핑 시간 절약을 가능하게 하였습니다.

전문 사용자를 중심으로 설계

REZ12 시리즈는 설치 시간이 제한된 현장에서 관리자와 운영자가 쉽게 손쉽게 작업할 수 있는 직관적인 기능을 갖춘 1-Chip DLP 프로젝터 진화의 정점에 가까운 제품입니다. 리모트 프리뷰 라이트를 사용하여 투사 전 콘텐츠 확인, 사용자 지정 테스트패턴 불러오기, NFC 기능을 활용한 사전 설정 기능 및 최대 64대의 프로젝터를 스마트폰으로 제어 및 조정 가능합니다.

신뢰성을 위한 방진기능

예기치 않은 중단 또는 유지보수 중단 시간에도 안심하고 콘텐츠 투사가 가능합니다. REZ12 시리즈는 IP5X 방진(IEC60529) 등급을 준수하는 광학 엔진과 레이저 광원 모듈을 탑재하여 먼지가 많은 환경에서도 최대 20,000시간 동안 유지보수 없이 안정적인 작동이 가능합니다. 백업 입력 및 멀티 레이저 드라이브 엔진으로 문제 발생시에도 이미지 투사가 가능합니다.

■ 기타 기능

- Art-Net DMX, PLink, Crestron Connected V2, Crestron Xio Clou, Extron XTP 및 IPv6 지원
- DC 5V/2A 전원 공급을 위한 USB 포트 1개, (옵션) AJ-WM50 시리즈 무선 모듈 및 USB 메모리 장치에서 데이터 전송을 위한 USB 포트 1개
- 빠른 시작 및 종료
- 멀티스크린 지원 시스템
- DICOM 시뮬레이션 모드
- 파형 모니터 기능
- 전원 관리 시스템

1 Full On/Full Off with Dynamic Contrast set to [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. 2 Excluding ET-C15600 and ET-C17700 lenses. 3 Third-party and optional proprietary Intel® SDM-ready function boards are sold separately. Panasonic cannot guarantee the operation of third-party devices. 4 Visit PASS to register your projector and download free Geometry Manager Pro software. 5 Requires Multi Monitoring & Control Software Ver. 3.3 or later. 6 Supports PNG (1/8/16/24/32/48/64-bit, non-transparent, alpha blending disabled) and BMP (1/8/24-bit) formats with a maximum resolution of 1920 x 1200 dots. 7 Projectors sold in some countries or regions require an ET-NUK10 Upgrade Kit available from PASS to activate the NFC function. See NFC Regional Compatibility List for details. 8 Requires Smart Projector Control app available free from the App Store or Google Play Store. 9 The dust-proof 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. 10 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 700 m (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 environmental conditions. Replacement of parts other than the light source may be required in a shorter period. The estimated maintenance time varies depending on the environment. 11 Primary and backup terminal assignments are fixed. Input signals to primary and backup inputs must be identical. 12 Optional AJ-WM50 Series Wireless Module is incompatible with IPv6.

Specifications

| Model | | PT-REZ12 | PT-REZ10 | PT-REZ80 |
|--|------------------|--|--|--|
| 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} | | 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 | | WUXGA (1920 x 1200 pixels) | | |
| Contrast ratio ¹ | | 25,000:1 (Full On/Full Off, Dynamic Contrast [3]) | | |
| Screen size (diagonal) | | 70–700 inches (with supplied lens) | | |
| Center-to-corner zone ratio ¹ | | 90 % | | |
| Lens | | PT-REZ12/REZ10/REZ80: Powered zoom (throw ratio 1.36–2.10:1 for supplied lens), powered focus; PT-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), ±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 ⁵) | | |
| | DisplayPort™ | DisplayPort™ x 1 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input ⁵) | | |
| | 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, PLink™ (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 ⁶ | | |
| Power supply | | AC 100–240 V, 50/60 Hz | | |
| Maximum power consumption ⁷ | | 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 | 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 | 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 | 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) |
| Operation noise ¹ | | 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-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-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) | | |
| Weight ⁷ | | PT-REZ12/REZ10/REZ80: Approx. 28.7 kg (63.27 lbs) (with supplied lens), PT-REZ12L/REZ10L/REZ80L: Approx. 27.0 kg (59.52 lbs) (without lens) | | |
| Operating environment | | Operating temperature: 0–45 °C (32–113 °F) ⁸ , operating humidity: 10–80 % (no condensation) | | |
| Applicable software | | Logo Transfer Software, Multi Monitoring & Control Software, Projector Network Setup Software, 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 PLink™ (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 the center of the 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. The estimated time until light output declines to 50 % varies depending on the environment. 5 4K signals are converted to WUXGA (1920 x 1200 pixels). 6 Optional AJ-WM50 Series Wireless Module is not compatible with IPv6. 7 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). 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).

추가 액세서리

• Zoom Lens

ET-C1U100 (0.308–0.330:1)¹ / ET-C1W300 (0.550–0.690:1) / ET-C1W400 (0.680–0.950:1)² / ET-C1W500 (0.940–1.39:1)² / ET-C1S600 (1.36–2.10:1) / ET-C1T700 (2.07–3.38:1)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 Estimated for release in CY2023 Q4
2 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 is used in combination with ET-PKD130B (sold separately).

• Attachment for Ceiling Mount Bracket
ET-PKD130B

• 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)

Note: TY-SB01FB is estimated to ship in CY2023 Q3.

• DIGITAL LINK Switcher / Digital Interface Box
ET-YFB200G / ET-YFB100G

Note: Requires TY-SB01DL. DIGITAL LINK Terminal Board (sold separately). ET-YFB200G/YFB100G is incompatible with 4K signals.

• 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 PresIT
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.

Panasonic CONNECT

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