Panasonic CONNECT

PT-RQ25K Series
3-Chip DLP™ Projectors
PT-RQ25K / PT-RZ24K

세계 최소·최경량 바디로부터 압도적인 현장감을 투사하는 20,000 lm 3-Chip DLP 4K 프로젝터

Note: Based on publicly available dimensions and weight for DLP™ laser projectors with 16,000 lm brightness and above as of October 2022. Optional 3-Chip DLP™ lenses³ sold separately.

■ Main Features

01 | 본체의 소형화로 작업을 보다 간편하게

RQ25K 시리즈는 이전 시리즈보다 40% 더 작아지고 35% 더 가벼워진 모델로, 손쉬운 설치와 작업이 가능하다는 것이 강점입니다. Intel SDM 규격 적용, [NFC]기능, [원격 프리뷰 라이트]기능 외에도 업그레이드된 [기하학 보정 · 설치 조정 소프트웨어]를 탑재하여 설치부터 운영까지 일련의 워크플로우에 효율성을 제공합니다.

02 | 압도적인 현장감으로 색다른 Visual 경험을 선사

[쿼드 픽셀 드라이브]는 부드러운 4K 이미지를 만들고, 새롭게 개선된 [다이나믹 콘트라스트]는 고대비 장면에서 흰색과 검은색 각각의 깊이감을 더욱 높여줍니다. [그라데이션 스무더] 기능이 컬러 밴딩을 줄여주고, 더욱 개선된 Panasonic만의 독자적인 [Black-level] 조정 기능으로 보다 자연스러운 엣지 블렌딩을 지원합니다.

03 | 큰 무대에서도 절대적인 신뢰성을 제공

[밀폐 광학블록 시스템], [고효율 액체 냉각 시스템] 등으로 약 20,000 시간 Maintenance-free 운용이 가능합니다. 또한 [Multi-Laser Drive Engine]과 백업 입력 기능으로 오류를 사전에 대비하여 안정적인 프로젝션의 신뢰성을 더합니다. 새롭게 개선된 전원 공급장치를 통해, AC 100-120V 전원에서도 최대 15,000lm의 투사가 가능합니다.

PT-RQ25K Series

	PT-RQ25K	PT-RZ24K
Light Output	20,000 lm [16] /	21,000 lm [17]
Resolution	4K (3840 x 2400 [18] pixels)	WUXGA (1920 x 1200 pixels)

가볍고 컴팩트해진 3-Chip DLP 프로젝터

RQ25K 시리즈는 동급 프로젝터 중, 세계에서 가장 작고 가벼운 3-Chip DLP 4K 프로젝터 입니다. 2인 운반 및 설치가 가능할 만큼 컴팩트해진 본체 설계로, 제한된 환경에서도 설치 및 투사가 가능합니다. 또한 [소형화된 광학엔진], [전원공급 장치], [고효율 냉각 시스템], [광학 장치 소재 개선]으로 다양한 규모의 행사에서도 몰입도 높은 프로젝션을 가능하게 해드립니다.

다양한 Test 패턴을 저장하고 불러올 수 있습니다

프로젝터에 내장된 10개의 test pattern외에도 USB 메모리 장치 와 네트워크를 통해 최대 3개까지의 사용자 test pattern을 추가 저장할 수 있습니다. 자주 사용하는 test pattern을 저장하여 새로운 투사환경에서 프로젝션 세팅에 필요한 준비시간을 절약할 수 있습니다.

Intel SDM 규격의 확장 슬롯을 장착할 수 있습니다

Intel SDM 호환 슬롯을 통해 자사 혹은 타사 보드 등 선택적인 function 보드 장착이 가능합니다. 넓어진 보드 선택 폭으로 설치의 복잡성을 줄이고, 다양한 프로그램과 연동이 가능합니다. RQ25K 시리즈는 당사의 DIGITAL LINK 터미널 보드(TY-SB01DL), 12G-SDI 터미널 보드(TY-SB01QS), 무선 프레젠테이션 시스템 PressIT 수신기 보드(TY-SB01WP)를 비롯해 타사의 PC 보드, 터미널 보드 및 AVoIP 보드와 호환이 가능합니다.

AC 100V의 전원에서도 고휘도 성능 구현

AC 100V / 15A 전원으로 15,000lm 급의 고휘도 투사를 지원합니다. AC 100-120V 환경에서도 운용이 가능하며, 고전력을 즉시 확보할 수 없는 환경에서도 설치 및 프로젝션이 가능합니다. 또한, 불필요한 준비시간을 절약할 수 있는 이점이 있습니다.

■ Other Features

· Art-Net DMX ,PJLink™, Crestron Connected V2 및 Crestron XiO 클라우드 지원
· IPv6 호환 가능
· DICOM 시뮬레이션 모드 지원
· 멀티 스크린 지원 시스템
· 멀티 유닛 밝기 및 색상 제어 기능
· 웨이브폼 모니터 기능
· Quick Start & Quick Off 기능
· 전원 관리 시스템

1 Based on publicly available dimensions and weight for DLP™ laser projectors with 16,000 lm brightness and above as of October 2022. 2 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 (PT-RQ25K/RQ18K) or 1920 x 1200 dots (PT-RZ24K/RZ17K). 3 Intel® SDM-specified third-party function boards sold separately. Panasonic cannot guarantee operation of third-party devices. 4 Japan and the Americas only. 5 Maximum light output is limited to approximately 15,000 lm. Maximum value of light output is further decreased in the following cases: when a function board is installed in the slot, when the light source is deteriorating from use, or when there is dust on the optical parts. 6 Optional AJ-WM50 Series Wireless Module is not compatible with IPv6.

Specifications

Model	PT-RQ25K	PT-RZ24K
Projector type	3-Chip DLP™ projector	
DLP™ chip — Panel size	20.3 mm (0.8 in) diagonal (16:10 aspect ratio)	
DLP™ chip — Number of pixels	2,304,000 (1920 x 1200 pixels) x 3	
Light source	Laser diode	
Light output[1,2]	20,000 lm / 21,000 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)	WUXGA (1920 x 1200 pixels)
Contrast ratio[2]	25,000:1 (Full On/Full Off, Dynamic Contrast [3])	
Screen size (diagonal)	1.78–25.40 m (70–1000 in), 1.78–15.24 m (70–600 in) with ET-D75LE8/ ET-D3LET80, 3.05–15.24 m (120–600 in) with ET-D75LE95, 5.08–15.24 m (200–600 in) with ET-D3LEU100/D3LEW200	
Center-to-corner zone ratio[2]	90 %	
Lens	Optional (no lens included with this model)	
Lens shift (From the origin point of the lens mounter) — Vertical	±66 % (±52 % with ET-D75LE6/ET-D3LEW60, +71 % / +93 % with ET-D75LE95, ±66 % with ET-D3LEU100, ±57 % with ET-D3LEW200) (powered)	
Lens shift — Horizontal	±24 % (±18 % with ET-D75LE6/ET-D3LEW60, ±14 % with ET-D75LE95, -25 % / +30 % with ET-D3LEU100, ±18 % with ET-D3LEW200) (powered)	
Keystone correction range	Vertical: ±45 ° (± 40 ° with ET-D75LE10/ET-D3LEW10/ET-D75LE20/ET-D3LES20, ±28 ° with ET-D75LE6/ET-D3LEW60, ±22 ° with ET-D3LEW50, ±15 ° with ET-D3LEW200, ±8 ° with ET-D3LEU100, +5 ° with ET-D75LE95), Horizontal: ±40 ° (±15 ° with ET-D3LEW50/ET-D75LE6/ET-D3LEW60, ±5 ° with ET-D3LEU100/ET-D3LEW200, 0 ° with ET-D75LE95) When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding a total of 55 °.	
Terminals — HDMI 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 PROJECTOR SYNC IN	BNC x 1	—
MULTI PROJECTOR SYNC OUT	BNC x 1	—
MULTI PROJECTOR SYNC IN/ 3D SYNC 1 IN/OUT (dual purpose)	—	BNC x 1
MULTI PROJECTOR SYNC OUT/ 3D SYNC 2 OUT (dual purpose)	—	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 function boards, Intel® SDM compatible	
Power supply	AC 100 V–120 V / AC 200 V–240 V, 50 Hz/60 Hz (The maximum value of light output is limited to 15,000 lm or less when using the projector with AC 100 V to AC 120 V. Other limitations apply[6].)	
Power consumption[7] — Maximum power consumption	AC 200 V–AC 240 V : 1,490 W (1,520 VA) / AC 100 V–AC 120 V : 1,080 W (1,090 VA)	AC 200 V–AC 240 V : 1,470 W (1,520 VA) / AC 100 V–AC 120 V : 1,060 W (1,090 VA)
On-mode power consumption (Operating mode) [NORMAL]	1,330 W	1,310 W
[ECO]	1,040 W	1,020 W
[QUIET]	1,030 W	1,010 W
Operation noise[2]	46 dB (NORMAL/ECO), 43 dB (QUIET)	
Dimensions (W x H x D)	Approx. 550 x 220 x 570 mm (21 5/8″ x 8 11/16″ x 22 7/16″) (not including protruding parts)	
Weight[8]	Approx. 35 kg (77.2 lbs)	
Operating environment	Operating temperature: 0–45 °C (32–113 °F[9]), 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™	

1 This is the value when the Zoom Lens (Model No.: ET-D3LES20) is used with power supply voltage of AC 200 V to AC 240 V. The value varies depending on the lens. 2 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. 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, NORMAL Mode, Dynamic Contrast [3], under conditions with 35 °C (95 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m³ of particulate matter. Estimated time until light output decreases to 50 % will vary depending on environment. 5 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ24K and PT-RZ17K. 6 Maximum value of light output is further decreased in the following cases: when a function board is installed in the slot, when the light source is deteriorating from use, or when there is dust on the optical parts. 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 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

- **Fisheye Len** ET-D3LEF70
  Note: Equipped with Auto Lens Identification Function.
- **Fixed-Focus Lens** ET-D75LE95 / ET-D3LEU100[1] / ET-D3LEW50[1]
  1 Equipped with Auto Lens Identification Function.
- **Zoom Lens**
  ET-D3LEW200[1] / ET-D3LEW300[2] / ET-D3LEW60[1] / ET-D75LE6 / ET-D3LEW10[1] / ET-D75LE10 / ET-D3LES20[1] / ET-D75LE20 / ET-D3LET30[1] / ET-D75LE30 / ET-D3LET40[1] / ET-D75LE40 / ET-D3LET80[1] / ET-D75LE8
  1 Equipped with Auto Lens Identification Function and Stepping Motor. 2 ET-D3LEW300 will be available from CY2023 2Q.
- **Ceiling Mount Bracket**
  ET-PKD520H (for high ceilings) / ET-PKD520S (for low ceilings)
  Note: ET-PKD520H/PKD520S is used in combination with ET-PKD521B (sold separately).

- **Attachment for Ceiling Mount Bracket**
  ET-PKD521B
- **Lens Fixed Attachment**
  ET-PLF10 (For ET-D3LEF70) / ET-PLF20 (For ET-D3LEU100 / LEW200)
  Note: This attachment may be required in some installation environments.
- **Stepping Motor Kit** ET-D75MKS10
  Note: Calibration is required each time the lens is mounted.
- **12G-SDI Terminal Board**
  TY-SB01QS

- **Wireless Presentation System Receiver Board**
  TY-SB01WP
- **DIGITAL LINK Terminal Board**
  TY-SB01DL
- **DIGITAL LINK Switcher / Digital Interface Box**
  ET-YFB200G / ET-YFB100G
  Note: Requires TY-SB01DL DIGITAL LINK Terminal Board. ET-YFB200G / ET-YFB100G not compatible with 4K signals.
- **Wireless Module** AJ-WM50 Series
  Note: Product 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).

- **Early Warning Software**
  ET-SWA100 Series
  Note: Part number suffix may differ depending on the license type.
- **NFC Upgrade Kit** ET-NUK10
  Note: Product availability may vary by country or region.
- **Wireless Presentation System PressIT**
  TY-WPS1 (basic set)
  Note: Product availability may vary by country or region. Visit https://panasonic.net/cns/prodisplays/pressit for more information.

Panasonic CONNECT

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 October 2022.

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