Panasonic CONNECT

AVAILABLE FROM CY2024 Q3 (PT-RQ7L/RQ6L) / CY2024 Q4 (PT-RZ7L/RZ6L)

PT-RQ7 Series

1-Chip DLP™ Projectors

Note: Product availability may vary by country or region.

가볍고 컴팩트한 1칩 DLP™ 4K 프로젝터로 효율성의 극대화를

Black Models

White Models *(PT-RZ7L/RZ6L Only)*

Note: Lenses sold separately.

■ Main Features

01 | 몰입감 넘치는 4K 영상을 제공

FRQ60 시리즈와 REQ15 시리즈 사이에 위치한 RQ7 시리즈는 1Chip DLP™ 4K 프로젝터 라인업을 확장하여 사용자의 선택의 폭을 더욱 넓혀드립니다. 쿼드 픽셀 드라이브 기술을 통해 눈에 보이는 픽셀이나 그리드 없이 부드러운 4K 이미지를 생성하여 몰입감 넘치는 컨텐츠를 생성합니다. 또한 1080/240p 영상을 프로젝션하고 ET-SWR10 키트를 사용한다면 컨텐츠와 움직임을 실시간으로 매끄럽게 블렌딩할 수 있습니다. 다이나믹 콘트라스트, 리치 컬러 인핸서, 디지털 아트 모드는 사실감을 더욱 강화하여 관객을 크리에이터가 창조한 컨텐츠의 세계로 끌어들입니다.

02 | 간편한 워크플로우를 위한 컴팩트한 디자인

약 17kg(37.5lbs)의 무게로 기존 RZ790/RZ690 모델보다 약 29% 더 작은 RQ7 시리즈는 물류적 부담과 탄소 사용을 줄여줍니다. 그리고 Intel® SDM 표준 슬롯과 호환되는 옵션 보드, 파나소닉의 새로운 ET-SBFMP10 미디어 프로세서 등 다양한 주변장치를 포함하여 프로젝터의 적용, 사용, 연결을 보다 확장할 수 있습니다. 또한 Geo Pro7 업그레이드 키트를 사용하여 작업 시간을 절약할 수 있습니다. 렌즈는 기존의 파나소닉 ET-DLE 시리즈 렌즈를 사용할 수 있으며, 개선된 마운트를 통해 ET-DLE020G/ET-DLE020 초단초점 줌 렌즈를 브라켓 없이 부착할 수 있습니다.

03 | 안정적이고, 효과적이고, 믿을 수 있는 프로젝션

지속 가능성(Sustainability)은 RQ7 시리즈의 최우선 과제입니다. 광학 엔진과 광원 모듈은 IP5X 방진/방진(IEC 60529) 표준을 준수하여 화질과 수명을 연장하고, 효율적인 냉각 및 필터리스 설계로 20,000시간의 유지보수 없이 작동하도록 했습니다. 약 73%의 재활용 수지가 포함된 플라스틱 부품과 새로운 Eco부스트 모드를 통해 밝기를 유지하면서 에너지 소비를 줄일 수 있습니다. 멀티 레이저 드라이브 엔진 및 백업 입력은 중단 없는 이미지 디스플레이를 보장하여 프로젝션의 신뢰도를 높여줍니다.

PT-RQ7 Series				
	PT-RQ7L	PT-RQ6L	PT-RZ7L	PT-RZ6L
Light Output	7,500 lm[10]/ 7,500 lm (ANSI)[11]/ 7,700 lm (Center)[12]	6,500 lm[10]/ 6,500 lm (ANSI)[11]/ 6,700 lm (Center)[12]	7,500 lm[10]/ 7,500 lm (ANSI)[11]/ 7,700 lm (Center)[12]	6,500 lm[10]/ 6,500 lm (ANSI)[11]/ 6,700 lm (Center)[12]
Resolution	4K (3840 x 2160 pixels)[13]		WUXGA (1920 x 1200 pixels)	

DLP TEXAS INSTRUMENTS · SOLID SHINE LASER · 4K PROFESSIONAL[1] · QUAD PIXEL DRIVE[1] · 240Hz High-speed[2] · 4K DIGITAL LINK · ACCEPTS 4K SIGNAL[14] · intel. smart display module ready · 360° · Geo.Pro · 24/7 Operation

1 PT-RQ7L/RQ6L only. 2 PT-RQ7L/RQ6L only. Supports input signals up to 1080p. The display frame rate corresponds to the input signal frame rate. When using the PT-RQ7L/RQ6L to display 1080/100p, 1080/120p, or 1080/240p content, edge blending and geometric adjustment cannot be used. 3 PT-RQ7L/RQ6L only. Optional ET-SWR10 Real-Time Tracking Projection-Mapping System is sold separately. See the global projector website for details. 4 Optional proprietary and third-party function boards compatible with the Intel® SDM standard-compatible SLOT are sold separately. Panasonic cannot guarantee the operation of third-party devices. 5 Optional ET-SBFMP10 (sold separately) is scheduled for release CY2024 Q4. Compatible cameras (sold separately) comprise NIKON® D5200/D5300/D5500/D5600/D7500/Z50. 6 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. 7 Around this time, the light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, [NORMAL] Mode, [PICTURE MODE] set to [DYNAMIC], 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. Estimated maintenance time varies depending on the environment. 8 By weight of the total mass of plastic parts in the projector main unit. Excludes projection lenses, printed circuit boards, labels, cables, connectors, electronic components, color sensor cases, optical components, ESD components, EMI component adhesives, and coatings. 9 Primary and backup terminal assignments are fixed, and input signals to each must be identical. 10 When ET-DLE170 is attached. 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. 11 Measurement, measuring conditions, and method of notation all comply with American National Standards Institute 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. 13 Maximum physical resolution of 4K (3840 x 2160) with Quad Pixel Drive [ON]. 14 Input signals to the PT-RZ7L/RZ6L are converted to the projector's display resolution upon playback. YPBPR 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK.

AVAILABLE FROM CY2024 Q3 (PT-RQ7L/RQ6L) / CY2024 Q4 (PT-RZ7L/RZ6L)

Other Features

- Supports Art-Net DMX, PJLink™, Crestron Connected® V2, Crestron® XiO Cloud, and Extron XTP®
- Register 4x user images (BMP/PNG/JPEG) for test patterns, startup logos, and screensavers[1]
- Supports IPv6[2] network protocol
- Data-Cloning Function[3] via LAN or USB
- USB port for DC 5 V/2 A power supply, optional AJ-WM50 Series Wireless Module, and data transfer
- DICOM Simulation Mode
- Waveform Monitor Function

Learn More

For more information, please scan the QR code to access the PT-RQ7 Series product webpage at our global projector website.

1 This feature replaces Logo Transfer Software. 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-RQ7L	PT-RQ6L	PT-RZ7L	PT-RZ6L
Projector type		1-Chip DLP™ projector			
DLP™ chip	Panel size	16.5 mm (0.65 in) diagonal (16:9 aspect ratio)		17.0 mm (0.67 in) diagonal (16:10 aspect ratio)	
	Number of pixels	2,073,600 (1920 x 1080 pixels)		2,304,000 (1920 x 1200 pixels)	
Light source		Laser diodes			
Light output[1]		7,500 lm[2]/7,500 lm (ANSI)[3]/7,700 lm (Center)[4]	6,500 lm[2]/6,500 lm (ANSI)[3]/6,700 lm (Center)[4]	7,500 lm[2]/7,500 lm (ANSI)[3]/7,700 lm (Center)[4]	6,500 lm[2]/6,500 lm (ANSI)[3]/6,700 lm (Center)[4]
Time until light output declines to 50 %[5]		20,000 hours (NORMAL/QUIET), 24,000 hours (ECO)			
Resolution		4K (3840 x 2160 pixels) (Quad Pixel Drive: ON)		WUXGA (1920 x 1200 pixels)	
Contrast ratio[2]		15,000:1 (Full On/Full Off, Dynamic Contrast [3])			
Screen size (diagonal)		1.27–5.08 m (50–200 in) with ET-DLE055, 1.27–15.24 m (50–600 in) with ET-DLE060/ET-DLE085/ET-DLE105/ET-DLE150/ET-DLE170/ET-DLE250/ET-DLE350/ET-DLE450, 2.54–8.89 m (100–350 in) with ET-DLE035, 2.54–10.16 m (100–400 in) with ET-DLE020G/ET-DLE020			
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 %, -18 % (with ET-DLE150/ET-DLE170/ET-DLE250/ET-DLE350/ET-DLE450); +60 %, -18 % (with ET-DLE085/ET-DLE105); +50 %, -18 % (with ET-DLE060); +55 %, -22 % (with ET-DLE020G/ET-DLE020); +97 % (with ET-DLE035); (powered)		+60 %, -16 % (with ET-DLE150/ET-DLE170/ET-DLE250/ET-DLE350/ET-DLE450); +55 %, -16 % (with ET-DLE085/ET-DLE105); +40 %, -16 % (with ET-DLE060); +50 %, -20 % (with ET-DLE020G/ET-DLE020); +88 % (with ET-DLE035); (powered)	
	Horizontal[6]	+30 %, -10 % (with ET-DLE150/ET-DLE170/ET-DLE250/ET-DLE350/ET-DLE450); +28 %, -10 % (with ET-DLE085/ET-DLE105); +19 %, -10 % (with ET-DLE060); +10 %, -20 % (with ET-DLE020G/ET-DLE020); (powered)			
Keystone correction range		Vertical: ±45 ° (±5 ° with ET-DLE020G/ET-DLE020, +5 ° with ET-DLE035, ±16 ° with ET-DLE060, ±22 ° with ET-DLE55/ET-DLE085/ET-DLE105, ±40 ° with ET-DLE150/ET-DLE170/ET-DLE250), Horizontal: ±40 ° (±10 ° with ET-DLE060, ±15 ° with ET-DLE55/ET-DLE085/ET-DLE105, cannot be used with ET-DLE020G/ET-DLE020/ET-DLE035)			
Terminals	HDMI™ IN	HDMI™ x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input[7])			
	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 IN	M3 stereo mini-jack x 1 for wired remote control			
	REMOTE OUT	M3 stereo mini-jack x 1 for link control (for wired remote control)			
	DIGITAL LINK/LAN	RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBaseT™ compliant), 100Base-TX (Compatible with PJLink™ [Class 2], Art-Net, HDCP 2.3, Deep Color, 4K/60p[7, 8] signal input)			
	LAN	RJ-45 x 1 for network connection, PJLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible			
	USB (DC OUT)	USB connector (Type A) x 1 for DC 5 V/2 A power supply, optional AJ-WM50 Series Wireless Module, and data transfer from USB memory			
	Expansion slot	Open slot for function boards, Intel® SDM standard-compatible			
Protocol versions		IPv4, IPv6[9]			
Power supply		AC 100–240 V, 50/60 Hz			
Maximum power consumption[10]		670 W (6.8–2.8 A) (680 VA) (Power consumption is 650 W at AC 200–240 V)	600 W (6.1–2.5 A) (610 VA) (Power consumption is 580 W at AC 200–240 V)	660 W (6.8–2.8 A) (680 VA) (Power consumption is 640 W at AC 200–240 V)	590 W (6.1–2.5 A) (610 VA) (Power consumption is 570 W at AC 200–240 V)
On-mode power consumption (Operating mode)[10]	NORMAL	540 W (AC 100–120 V), 520 W (AC 200–240 V)	470 W (AC 100–120 V), 450 W (AC 200–240 V)	530 W (AC 100–120 V), 510 W (AC 200–240 V)	460 W (AC 100–120 V), 440 W (AC 200–240 V)
	ECO	410 W (AC 100–120 V), 400 W (AC 200–240 V)	360 W (AC 100–120 V), 350 W (AC 200–240 V)	400 W (AC 100–120 V), 390 W (AC 200–240 V)	350 W (AC 100–120 V), 340 W (AC 200–240 V)
	QUIET	410 W (AC 100–120 V), 400 W (AC 200–240 V)	360 W (AC 100–120 V), 350 W (AC 200–240 V)	400 W (AC 100–120 V), 390 W (AC 200–240 V)	350 W (AC 100–120 V), 340 W (AC 200–240 V)
Operation noise[2]		35 dB (NORMAL/ECO), 32 dB (QUIET)	34 dB (NORMAL/ECO), 31 dB (QUIET)	35 dB (NORMAL/ECO), 32 dB (QUIET)	34 dB (NORMAL/ECO), 31 dB (QUIET)
Dimensions (W x H x D)		498 x 170 x 440 mm (19 $^{19}/_{32}$″ x 6 $^{11}/_{16}$″ x 17 $^{5}/_{16}$″) (With legs at shortest position, excluding protruding parts)			
Weight[11]		16.6 kg (36.59 lbs)			
Operating environment		Operating temperature: 0–45 °C (32–113 °F)[12], operating humidity: 10–80 % (no condensation)			
Applicable software		Multi Monitoring & Control Software, Projector Network Setup Software, Real-Time Tracking Projection-Mapping System[13], 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 When ET-DLE170 is attached. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. 2 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. 3 Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. 4 Average light-output value of all shipped products measured at the center of the screen. 5 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. 6 Cannot be used when ET-DLE035 is installed. 7 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ7L/RZ6L. 8 Supports YPbPr 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK. 9 Optional AJ-WM50 Series Wireless Module is not compatible with IPv6. 10 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). 11 Average value. May differ depending on the actual unit. 12 When the optional AJ-WM50 Series wireless module is attached, the operating temperature range becomes 0–40 °C (32–104 °F). Note that the projector cannot be used at altitudes 4,200 m (13,780 ft) or higher above sea level. In the following operating environments, light output may be reduced to protect the projector: when the projector is used at altitudes below 1,400 m (4,593 ft) and ambient temperature is 35 °C (95 °F) or higher; when the projector is used at altitudes between 1,400 m (4,593 ft) and 2,700 m (8,858 ft) exclusive and ambient temperature is 30 °C (86 °F) or higher; and when the projector is used at altitudes between 2,700 m (8,858 ft) and 4,200 m (13,780 ft) exclusive and ambient temperature is 25 °C (77 °F) or higher. 13 PT-RQ7L/RQ6L only.

Optional Lenses

		Throw Ratio RQ7L/RQ6L[1]	Throw Ratio RZ7L/RZ6L[2]
Fixed Lens	ET-DLE035	0.378:1	0.380:1
	ET-DLE055	0.782:1	0.785:1
Zoom Lens	ET-DLE020G/ ET-DLE020	0.279–0.297:1	0.280–0.299:1
	ET-DLE060	0.597–0.797:1	0.600–0.801:1
	ET-DLE085	0.779–0.972:1	0.782–0.977:1
	ET-DLE105	0.973–1.32:1	0.978–1.32:1
	ET-DLE150	1.29–1.88:1	1.30–1.89:1
	ET-DLE170	1.71–2.40:1	1.71–2.41:1
	ET-DLE250	2.26–3.60:1	2.27–3.62:1
	ET-DLE350	3.56–5.42:1	3.58–5.45:1
	ET-DLE450	5.33–8.53:1	5.36–8.58:1

1 When the image aspect ratio is 16:9. 2 When the image aspect ratio is 16:10.

Optional Accessories

- **Ceiling Mount Bracket**
  ET-PKD130H (6-axis, for high ceiling)
  ET-PKD120H (for high ceiling)
  ET-PKD120S (for low ceiling)
  Note: ET-PKD120H, ET-PKD120S, and ET-PKD130H are used with the optional ET-PKD130B attachment (sold separately). ET-PKD130H is recommended when the ET-DLE035 or ET-DLE020G/ET-DLE020 lenses are used.
- **Attachment for Ceiling Mount Bracket**
  ET-PKD130B
- **ET-FMP50 Series Media Processors**
  ET-FMP50 / ET-FMP20 / ET-SBFMP10[1]
  1 ET-SBFMP10 is scheduled for release in CY2024 Q4.
  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: ET-YFB200G is not compatible with 4K signals.
- **Function Boards**
  12G-SDI Terminal Board (TY-SB01QS) / Wireless Presentation System Receiver Board (TY-SB01WP) / 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.
- **Real-Time Tracking Projection-Mapping System**
  ET-SWR10
  Note: PT-RQ7L/RQ6L only. Availability may vary by country or region. For more information, visit https://docs.connect.panasonic.com/projector/products/swr10/.

Panasonic CONNECT

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

All information included here is valid as of September 2024.

PT-RQ7series_G1 Printed in Japan