

## PT-RQ7 Series

1-Chip DLP™ Projectors

AVAILABLE FROM CY2024 Q3

Note: Release date may vary by country or region.

## Your Choice Expands with the RQ7 Series, Making 4K Accessible in Immersive Spaces



Black Models



White Models (PT-RZ7L/RZ6L Only)

Note: Lens not included.

### • Making Immersive 4K Visuals Accessible

Positioned between the FRQ60 Series and the REQ12 Series, the RQ7 Series expands our 4K projector offerings to give integrators more choice. Experience smooth 4K<sup>1</sup> visuals courtesy of Quad Pixel Drive<sup>2</sup> with rich color and minimal blur. Project 240 Hz/1080p content<sup>3</sup> and fuse digital and analog elements seamlessly with our Real-Time Tracking Projection-Mapping System<sup>4</sup>. Improved Dynamic Contrast boosts visual impact, while a new Museum Mode further optimizes image quality.

### • Compact Design for an Effortless Workflow

Weighing just 18 kg (39.7 lbs) and about 29 % smaller than the existing RZ790/RZ690 models, the RQ7 Series reduces the logistical burden and your carbon footprint. Optional Intel® SDM standard SLOT-compatible function boards<sup>5</sup>, including Panasonic's new ET-SBFMP10 media processor board<sup>6</sup>, adapts, scales, and expands projector connectivity. Save time with preactivated Geo Pro<sup>7</sup> upgrade kits and use your existing Panasonic DLE Series lenses.

### • Stable, Reliable, and Efficient Projection

Project sustainably with lasting picture quality. The energy-efficient optical engine and laser light source module conform to the IP5X Dust Protected (IEC 60529) standard<sup>8</sup>, while a filterless design reduces waste and enables maintenance-free operation for 20,000 hours<sup>9</sup>. Multi-Laser Drive Engine and Backup Input<sup>10</sup> maintain image display in the event of trouble, securing a repeatable guest experience.

PT-RQ7 Series				
	PT-RQ7L	PT-RQ6L	PT-RZ7L	PT-RZ6L
Light Output	7,500 lm <sup>11</sup>	6,500 lm <sup>11</sup>	7,500 lm <sup>11</sup>	6,500 lm <sup>11</sup>
Resolution	4K (3840 x 2160 pixels) <sup>1</sup>		WUXGA (1920 x 1200 pixels)	



<sup>1</sup> PT-RQ7L/RQ6L only. Maximum physical resolution of 4K (3840 x 2160) with Quad Pixel Drive [ON]. <sup>2</sup> PT-RQ7L/RQ6L only. <sup>3</sup> PT-RQ7L/RQ6L only. Supports input signals up to 1080p. The display frame rate corresponds to the input signal frame rate. <sup>4</sup> PT-RQ7L/RQ6L only. Optional ET-SWR10 is used in conjunction with third-party devices (sold separately). Compatibility with third-party devices cannot be guaranteed. Other conditions apply. <sup>5</sup> Optional proprietary and third-party Intel® SDM standard SLOT-compatible function boards sold separately. Panasonic cannot guarantee the operation of third-party devices. <sup>6</sup> Scheduled for release CY2024 Q4. <sup>7</sup> Visit PASS to register your projector and download free Geometry Manager Pro software for Windows® (upgrade kits included). <sup>8</sup> 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. <sup>9</sup> 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 [2], temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m<sup>3</sup> 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. <sup>10</sup> Terminal assignment is fixed. Signals to primary and backup must be identical. <sup>11</sup> 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. <sup>12</sup> 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.

Specifications (Tentative)

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)
	Display method	DLP™ chip x 1, DLP™ projection system		
	Number of pixels	2,073,600 (1920 x 1080 pixels)		2,304,000 (1920 x 1200 pixels)
Light source	Laser diodes			
Light output <sup>1,2</sup>	7,500 lm	6,500 lm	7,500 lm	6,500 lm
Time until light output declines to 50 % <sup>3</sup>	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 <sup>1</sup>	15,000:1 (Full On/Full Off, Dynamic Contrast [3]) (TBD)			
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, 2.54–8.89 m (100–350 in) with ET-DLE035, 2.54–10.16 m (100–400 in) with ET-DLE020			
Center-to-corner zone ratio <sup>1</sup>	90 %			
Lens	Optional (no lens included with this model)			
Lens shift (From the origin point of the lens mounter)	Vertical	+55 %, -18 % (with ET-DLE020/ET-DLE085/ET-DLE105/ET-DLE150/ET-DLE170/ET-DLE250/ET-DLE350/ET-DLE450), +44 %, -18 % (with ET-DLE060) (TBD)		+50 %, -16 % (with ET-DLE020/ET-DLE085/ET-DLE105/ET-DLE150/ET-DLE170/ET-DLE250/ET-DLE350/ET-DLE450), +40 %, -16 % (with ET-DLE060) (TBD)
	Horizontal <sup>4</sup>	+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-DLE020) (TBD)		
Keystone correction range	(TBD)			
Installation	Ceiling/floor, front/rear, free 360-degree installation			
Terminals	HDMI™ IN	HDMI™ x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input <sup>5</sup> )		
	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 PLink™ [Class 2], Art-Net, HDCP 2.3, Deep Color, 4K/60p <sup>5,6</sup> signal input)		
	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 (dual-use with DC OUT terminal)		
	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		
Protocol versions	IPv4, IPv6 <sup>7</sup>			
Power supply	AC 100–240 V, 50/60 Hz			
Maximum power consumption <sup>8</sup>	720 W (7.3–3.3A) (730 VA) (TBD)	650 W (6.6–2.9A) (660 VA) (TBD)	690 W (7.0–3.2A) (700 VA) (TBD)	620 W (6.3–2.7 A) (630 VA) (TBD)
On-mode power consumption (Operating mode) <sup>8</sup>	NORMAL	570 W (TBD)	500 W (TBD)	540 W (TBD)
	ECO	440 W (TBD)	370 W (TBD)	410 W (TBD)
	QUIET	435 W (TBD)	365 W (TBD)	405 W (TBD)
Cabinet materials	Molded plastic			
Operation noise <sup>1</sup>	36 dB (NORMAL/ECO), 33 dB (QUIET) (TBD)	35 dB (NORMAL/ECO), 32 dB (QUIET) (TBD)	36 dB (NORMAL/ECO), 33 dB (QUIET) (TBD)	35 dB (NORMAL/ECO), 32 dB (QUIET) (TBD)
Dimensions (W x H x D)	Approx. 498 x 170 x 440 mm (19 19/32" x 6 11/16" x 17 5/16") (With legs at shortest position, excluding lens and protruding parts) (TBD)			
Weight <sup>9</sup>	18.0 kg (39.7 lbs) or less (TBD)			
Operating environment	Operating temperature: 0–45 °C (32–113 °F) <sup>10</sup> , operating humidity: 10–80 % (no condensation)			
Applicable software	Multi Monitoring & Control Software, Projector Network Setup Software, Real-Time Tracking Projection-Mapping System <sup>11</sup> , 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 average of all products when shipped. 2 When ET-DLE170 is attached. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. 3 Around this time, light output will have decreased to approximately 50 % of its original level ([PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] set to [2]). Estimated time until light output declines to 50 % varies depending on environment. 4 Cannot be used when ET-DLE035 is installed. 5 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ7L/RZ6L. 6 Supports YPbPr 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK. 7 Optional AJ-WM50 Series Wireless Module is not compatible with IPv6. 8 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). 9 Average value. May differ depending on the actual unit. 10 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 2,700 m (8,858 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 700 m (2,297 ft) and ambient temperature is 38 °C (100 °F) or higher; when the projector is used at altitudes between 700 m (2,297 ft) and 1,400 m (4,593 ft) exclusive and ambient temperature is 36 °C (97 °F) or higher; when the projector is used at altitudes between 1,400 m (4,593 ft) and 2,100 m (6,890 ft) exclusive and ambient temperature is 34 °C (93 °F) or higher; and when the projector is used at altitudes between 2,100 m (6,890 ft) and 2,700 m (8,858 ft) exclusive and ambient temperature is 32 °C (90 °F) or higher. 11 PT-RQ7L/RQ6L only.

Optional Lens

		Throw Ratio	
		RQ7L/RQ6L <sup>1</sup>	RZ7L/RZ6L <sup>2</sup>
Fixed-Focus Lens	ET-DLE035	0.378:1	0.380:1
	ET-DLE055	0.782:1	0.785:1
Zoom Lens	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: Use ET-PKD120H, ET-PKD120S, and ET-PKD130H in combination with the optional ET-PKD130B (sold separately). ET-PKD130H is recommended when used with ET-DLE035 or ET-DLE020.
- Attachment for Ceiling Mount Bracket**  
 ET-PKD130B
- Media Processors**  
 Box-type: ET-FMP50/ET-FMP20  
 Note: Available from CY2024 Q2.  
 Function board-type: ET-SBFMP10  
 Note: ET-SBFMP10 is estimated for release in CY2024 Q4. Compatible with Intel® SDM standard SLOT.
- Function Boards**  
 12G-SDI Optical Function Board  
 TY-SB01FB  
 12G-SDI Terminal Board  
 TY-SB01QS  
 Wireless Presentation System Receiver Board  
 TY-SB01WP  
 Note: Function boards are compatible with Intel® SDM standard SLOT.
- Wireless Module**  
 AJ-WM50 Series  
 Note: Product availability may vary by country or region. The model number suffix is omitted. Operating temperature: 0–40 °C (32–104 °F).
- DIGITAL LINK Switcher**  
 ET-YFB200G  
 Note: ET-YFB200G is incompatible with 4K signals.
- Wireless Presentation System Pressit**  
 TY-WPS1 (Basic set)  
 Note: Availability may vary by country or region. Visit <https://panasonic.net/cns/prodisplays/pressit> for more information.
- Real-Time Tracking Projection-Mapping System**  
 ET-SWR10  
 Note: For PT-RQ7L/RQ6L only. Availability may vary by country or region. Visit <https://panasonic.net/cns/projector/products/swr10> for more information.



For more information about Panasonic projectors, please visit:  
 Projector Global Website – <https://panasonic.net/cns/projector/>  
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