



Immersive for all : Compact and Light 1DLP 4K Projectors

PT-RQ7L

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Key Features

Making Immersive 4K Visuals Accessible

Compact Design for an Effortless Workflow

Stable, Reliable, and Efficient Projection



PT-RQ7L

<https://ap.connect.panasonic.com/vn/vi/products/projectors/pt-rq7l>

Projector type	1-Chip DLP™ projector
Display method	DLP™ chip x 1, DLP™ projection system
Display Device -> Panel size	16.5 mm (0.65 in) diagonal (16:9 aspect ratio)
Display Device -> Number of pixels	2,073,600 (1920 x 1080 pixels)
Light source	Laser diode
Light output	7,500 lm
Light output (ANSI)	7,500 lm
Light output (Center)<sup> *1</sup> <sup> *2</sup>	PT-RQ7L/RZ7L : 7,700 lm PT-RQ6L/RZ6L : 6,700 lm
Time until light output declines to 50 %<sup> *1</sup> <sup> *2</sup>	20,000 hours [NORMAL] -> NORMAL
Time until light output declines to 50 %<sup> *1</sup> <sup> *2</sup>	24,000 hours [ECO] -> ECO
Time until light output declines to 50 %<sup> *1</sup> <sup> *2</sup>	20,000 hours [QUIET] -> QUIET
Resolution	4K (3840 x 2160 pixels) (Quad Pixel Drive: ON)
Contrast Ratio (typ.)	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	90%
Lens	Optional (no lens included with this model)
Lens shift -> Vertical(from center of screen)	+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)
Lens shift -> Horizontal(from center of screen)	+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<sup>™</sup> IN	HDMI™ x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input*5)
Terminals -> SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
Terminals -> SERIAL OUT	D-sub 9-pin (male) x 1 for link control (RS-232C compliant)
Terminals -> REMOTE 1 IN	M3 stereo mini-jack x 1 for wired remote control
Terminals -> REMOTE 1 OUT	M3 stereo mini-jack x 1 for link control (for wired remote control)
Terminals -> DIGITAL LINK IN / LAN	RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBase™ compliant), 100Base-TX (Compatible with PLink™ [Class 2], Art-Net, HDCP 2.3, Deep Color, 4K/60p*5 *6 signal input)
Terminals -> LAN	RJ-45 x 1 for network connection, PLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible
Terminals -> DC OUT	USB Type A x 1 (for power supply, DC 5 V, 2 A)
Terminals -> USB TYPE A	USB connector (Type A) x 1 for optional AJ-WM50 Series Wireless Module/USB memory (dual-use with DC OUT terminal)
Terminals -> SLOT	Open slot for function boards, Intel® SDM standard SLOT-compatible
Protocol versions	IPv4, IPv6*7
Power supply	AC 100-240 V, 50/60 Hz
Maximum power consumption	720 W (7.3-3.3 A) (730 VA) (TBD)
On-mode power consumption(Operating mode) -> Normal	[NORMAL] 570 W (TBD)
On-mode power consumption(Operating mode) -> Eco	[ECO] 440 W (TBD)
On-mode power consumption(Operating mode) -> Quiet	[QUIET] 435 W (TBD)
Cabinet materials	Molded plastic
Filter	No
Operation noise -> Normal	36 dB [NORMAL] (TBD)
Operation noise -> Eco	36 dB [ECO] (TBD)
Operation noise -> Quiet	33 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 protruding parts)
Dimensions (W x H x D) -> Width (not including protruding parts)	498 mm (19 19/32")
Dimensions -> Height (including protruding parts)	170 mm (6 11/16")
Dimensions -> Depth (not including protruding parts)	440 mm (17 5/16")
Weight	18.0 kg (39.7 lbs) or less (TBD)
Operating environment -> Operating temperature	0-45 °C (32-113 °F)
Operating Environment -> Operating humidity (No condensation)	10-80 % (no condensation)

Applicable software	Multi Monitoring & Control Software, Projector Network Setup Software, Real-Time Tracking Projection-Mapping System*11, 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)
Footnote Description	<p>When ET-DLE170 is attached. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL].</p> <p>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.</p> <p>Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped.</p> <p>Average light-output value of all shipped products measured at the center of the screen.</p> <p>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.</p> <p>Cannot be used when ET-DLE035 is installed.</p> <p>Supports YPBPR 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK.</p> <p>Optional AJ-WM50 Series Wireless Module is not compatible with IPv6.</p> <p>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).</p> <p>Average value. May differ depending on the actual unit.</p> <p>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.</p> <p>PT-RQ7L/RQ6L only.</p> <p>4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ7L/RZ6L.</p>