

Deliver More for Less with the World's Smallest and Lightest 20,000 lm 3-Chip DLP™ 4K Laser Projector

PT-RQ18K



KEY FEATURES

- Compact Form-Factor Streamlines Workflow
- Create an Engaging Visual Experience
- Reliable and Maintenance-free for Peace of Mind

Product Specifications

SPECIFICATIONS

Projector type	3-Chip DLP™ projector
DLP™ chip Panel size (mm)	20.3 mm (0.8 in) diagonal (16:10 aspect ratio)
DLP™ chip Panel size (inch)	20.3 mm (0.8 in) diagonal (16:10 aspect ratio)
DLP™ Chip Display Method	DLP™ chip x 3, DLP™ projection system
DLP™ chip Number of Pixels	2,304,000 (1920 x 1200 pixels) x 3
Light Source	Laser diode
Light Output*1 *2	16,000 lm
Time until light output declines to 50 %*3	20,000 hours (NORMAL), 24,000 hours (ECO), 24,000 hours (QUIET)
Resolution	4K (3840 x 2400 pixels) (Quad Pixel Drive: ON)
Contrast Ratio*2	20,000:1 (Full On/Full Off, Dynamic Contrast [3])
Screen size (diagonal) (mm)	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
Screen size (diagonal) (inch)	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 Vertical(From the origin point of the lens mounter)	±66 % (±52 % with ET-D75LE6/ET-D3LEW60, +93 %, -TBD % with ET-D75LE95, ±66 % with ET-D3LEU100, ±57 % with ET-D3LEW200) (powered)
Lens shift*4 Horizontal(From the origin point of the lens mounter)	±24 % (±18 % with ET-D75LE6/ET-D3LEW60, ±14 % with ET-D75LE95, +30 %, -TBD % 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 °.
Installation	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*4)
Terminals DisplayPort	DisplayPort™ x 1 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input*4) (TBD)
Terminals DVI-D In	-
Terminals Multi Projector Sync In	BNC x 1
Terminals Multi Projector Sync Out	BNC x 1
Terminals MULTI PROJECTOR SYNC IN/ 3D SYNC 1 IN/OUT(dual purpose)	-
Terminals MULTI PROJECTOR SYNC OUT/ 3D SYNC 2 OUT(dual purpose)	-
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
Terminals Remote 2 In	D-sub 9-pin (female) x 1 for external control (parallel)
Terminals DIGITAL LINK	RJ-45 x 1 for network and DIGITAL LINK connection (HDBaseT™ compliant), 100Base-TX, compatible with Art-Net, PJLink™ (Class 2), Deep Color, HDCP 2.2, 4K/60p signal input*5

Terminals LAN	RJ-45 x 1 for network connection, PJLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible
Terminals USB	USB connector (Type A) x 1 for optional AJ-WM50 Series Wireless Module/USB memory stick
Terminals DC Out	USB Type A x 1 (for power supply, DC 5 V, total of 2 A)
Terminals Expansion Slot	Open slot for for interface boards, Intel® SDM compatible
Power Supply	AC 100 V–120 V / AC 200 V–240 V, 50 Hz/60 Hz (Light output will decrease when using the projector with AC 100 V to AC 120 V)
Power consumption Maximum power consumption	1,150 W (TBD) / 1,280 W (TBD)1,160 VA, 11.6 A (TBD) / 1,300 VA, 6.5 A (TBD)
Power consumption On-mode power consumption (Operating mode)[Normal]	1,130 W (TBD)
Power consumption On-mode power consumption (Operating mode)[Eco]	890 W (TBD)
Power consumption On-mode power consumption (Operating mode)[Quiet]	TBD
Cabinet Materials	Molded plastic
Operation Noise*2	46 dB (NORMAL/ECO) (TBD), 43 dB (QUIET) (TBD)
Dimensions (W x H x D)	Approx. 550 x 220 x 570 mm (21 21/32" x 8 21/32" x 22 7/16") (not including protruding parts) (TBD)
Weight*5	35 kg (77.2 lbs) or less (TBD)
Operating Environment	Operating temperature: 0–45 °C (32–113 °F 6), operating humidity: 10–80 % (no condensation)
Applicable software/application	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™
Note	*1 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. *3 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. *4 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ24K and PT-RZ17K. *5 Average value. May differ depending on the actual unit. *6 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).