



Designed for long-lasting stable brightness in events and staging. Laser light source, 3-chip DLP, 10 000 lumens, 4K+ resolution projector.

PT-RQ13K

Smallest and lightest 4K+ Solid Shine laser Projector 10 000 lumens-class laser projector designed for long-lasting stable brightness in events and staging. Exchangeable lens - 24/7 Operation, Digital Link, High Frame Rate 240 Hz, Geometric Adjustment, Portrait Mode, Digital Link, 20.000:1

Key Features

Laser 3-chip DLP, 10000 lumens, 4K+

5K pixel performance with a quad pixel drive system on a WQXGA chipset

240Hz high frame rate for superb and sharp motion pictures

Lamp-free laser projection and dust resistant liquid cooling system with 20000 hours of free maintenance

20,000:1 contrast ratio





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<https://eu.connect.panasonic.com/se/en/projectors/pt-rq13k>

Projector type	3-Chip DLP™ projector
Display method	DLP™ chip x 3, DLP™ projection system
Display Device -> Panel size	22.9 mm (0.9") diagonal (16:10 aspect ratio)
Display Device -> Number of pixels	4,096,000 (2560 x 1600) x 3, total of 12,288,000 pixels when Quad Pixel Drive set to OFF, 49,152,000 (12,288,000 x 4) pixels when Quad Pixel Drive set to ON
Light source	Laser diode (Class 1) (Class 3R for US models)
Light output *1 *2 *3	10,000 lm
Time until light output declines to 50 % *6	20,000 hours [NORMAL] -> NORMAL *6
Time until light output declines to 50 % *6	24,000 hours [ECO] -> ECO *6
Time until light output declines to 50 % *6	20,000 hours [QUIET] -> QUIET *6
Resolution	5120 x 3200 pixels (Quad Pixel Drive: ON)
Contrast Ratio (typ.) *3	20,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3)
Screen size (diagonal)	1.78–25.4 m (70–1,000"), 1.78–15.24 m (70–600") with ET-D75LE8, 3.05–15.24 m (120–600") with ET-D75LE90, 16:10 aspect ratio
Refresh rate	240 Hz*2
Lens	Optional (no lens included with this model)
Lens shift -> Vertical (from center of screen)	±59 % (±44 % with the ET-D75LE6, +74 – +84 % with the ET-D75LE90) (powered)
Lens shift -> Horizontal (from center of screen)	±29 % (±19 % with the ET-D75LE6, -12 – +16 % with the ET-D75LE90) (powered)
Keystone correction range	Vertical: ±40° (±22° with ET-D75LE50, ±28° with ET-D75LE6, +5° with ET-D75LE90), horizontal: ±15° (0° with ET-D75LE90)
Keystone correction range with optional ET-UK20 Upgrade Kit	Vertical: ±45° (±40° with ET-D75LE10/D75LE20, ±22° with ET-D75LE50, ±28° with ET-D75LE6, +5° with ET-D75LE90), horizontal: ±40° (±15° with ET-D75LE6/D75LE10/D75LE50, ±20° with ET-D75LE20, ±25° with ET-D75LE30, ±30° with ET-D75LE40, ±40° with ET-D75LE8, 0° with ET-D75LE90), Up to a total of ±30° during simultaneous horizontal and vertical correction.
Installation	Ceiling/floor, front /rear, free 360-degree installation
Power supply	100–240 V AC, 50/60 Hz
Maximum power consumption *9 *10	1,270 W Average power consumption: 913 W (Normal Mode), 782 W (Eco Mode), 531–732 W (Long Life 1 Mode), 477–702 W (Long Life 2 Mode), 423–665 W (Long Life 3 Mode) [Operating temperature: 25 °C (77 °F), altitude: 700 m (2,297 ft), ICE627087: 2008 Broadcast content, Picture Mode: Dynamic, Dynamic Contrast Mode: 3]
Standby power consumption -> Normal	4 W [NORMAL]
Standby power consumption -> ECO	0.3 W [ECO]*1
Cabinet materials	Molded plastic
Filter	No
Operation noise -> Normal *3	46 dB [NORMAL]
Dimensions (W x H x D)	578 x 270 x 725 mm (22 3/4" x 10 5/8" x 28 17/32") (optional lens, legs and lens cover not included); 578 x 323.5 x 740 mm (22 3/4" x 12 23/32" x 29 1/8") (including legs at shortest position and protruding parts)
Dimensions (W x H x D) -> Width (not including protruding parts)	578 mm (22 3/4")
Dimensions -> Width (including protruding parts)	578 mm (22 3/4")
Dimensions -> Height (not including protruding parts)	270 mm (10 5/8")
Dimensions -> Height (including protruding parts)	323.5 mm (12 23/32")
Dimensions -> Depth (not including protruding parts)	725 mm (28 17/32")
Dimensions -> Depth (including lens)	740 mm (29 1/8")
Weight *11	Approx. 49.0 kg (108 lbs) (optional lens not included)

Operating environment -> Operating temperature *12 0–45 °C (32–113 °F)

Operating Environment -> Operating humidity (No condensation) 10–80 % (no condensation)

Applicable software

Logo Transfer Software,
Multi Monitoring & Control Software,
Early Warning Software,
Geometry Manager Pro (ET-UK20 Upgrade Kit and ET-CUK10 Auto Screen Adjustment Kit)

Footnote Description

1. When Standby Mode is set to Eco, network functions such as power on over LAN will not operate. Additionally, only certain commands can be received for external control using the serial terminal.
2. Refresh rate varies depending on scanning frequency.
3. At this time the brightness will have decreased to approximately half of its original level. Light source lifetime may be reduced depending on environmental conditions.
4. Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.
5. Optical axis shift function cannot be operated when used with the ET-D75LE50.
6. Range varies depending on mounted lens.
7. Average value. May differ depending on the actual unit.
8. When the operating mode is set to Normal, the operating temperature range is 0 °C (32 °F) to 45 °C (113 °F), and the operating temperature range is 0 °C (32 °F) to 40 °C (104 °F) when used in locations from 1,400 m to 4,200 m (4,593 ft to 13,780 ft) above sea level. When the operating mode is set to Eco or Long Life 1/2/3, the operating temperature range is 0 °C (32 °F) to 40 °C (104 °F). When used with Smoke Cut Filter, the operating temperature range is 0 °C (32 °F) to 35 °C (95 °F). Furthermore, the projector cannot be used in locations over 2,700 m (8,858 ft) with the operating mode set to Eco or Long Life 1/2/3. When used with Smoke Cut Filter, the projector cannot be used in locations over 1,400 m (4,593 ft). The brightness of the light source may drop depending on operating environment and the operating temperature range in order to protect the projector.