



**Stunning image quality in a compact body designed for large venues. Laser light source, 3-chip DLP, 21000 centre lumens, 4K+, maintenance-free projector.**

## PT-RQ22K

Compact and filterless 20 000 lumens 4K+ Solid Shine Laser Projector  
Stunning image quality in a compact body designed for large venues

### Key Features

Laser 3-chip DLP, 21 000 centre lumens, 4K+

Lamp-free laser projection with dust resistant liquid cooling system with 20 000 hours of free maintenance

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

240Hz high frame rate for superb and sharp motion pictures and a 20 000:1 contrast ratio

Geometric Manager Pro, colour matching and multiple screens edge blending, Exchangeable lens, 24/7 operation, geometric adjustment, 360° flexible installation





## PT-RQ22K

<https://ap.connect.panasonic.com/th/en/products/projectors/pt-rq22k>

<b>Brightness</b>	21,000 lm (Center)*2 / 20,000 lm*3
<b>Resolution</b>	4K+ (5120 x 3200) (Quad Pixel Drive: ON)
<b>Technology</b>	Laser 3-chip DLP
<b>DLP™ chip   Panel size (mm)</b>	22.9 mm diagonal (16:10 aspect ratio)
<b>DLP™ chip   Panel size (inch)</b>	0.9 inch diagonal (16:10 aspect ratio)
<b>DLP™ Chip   Display Method</b>	DLP™ chip x 3, DLP™ projection system
<b>DLP™ Chip   Pixels</b>	49,152,000 (12,288,000 x 4) pixels when Quad Pixel Drive set to ON, 4,096,000 (2560 x 1600) x 3, total of 12,288,000 pixels when Quad Pixel Drive set to OFF
<b>Refresh Rate</b>	240 Hz*1
<b>Lens</b>	Optional (no lens included with this model)
<b>Light Source</b>	Laser diodes (Laser class: Class 1) (Class 3R for US models), Light source life: 20,000 hours (NORMAL mode, brightness decreases to approx. 50 %)
<b>Screen size (diagonal) (mm)</b>	1.78-25.4 m with 16:10 aspect ratio 1.78-15.24 m with the ET-D75LE8 / ET-D3LET80, 16:10 aspect ratio 3.05-15.24 m with the ET-D75LE95, 16:10 aspect ratio
<b>Screen size (diagonal) (inch)</b>	70-1,000 inch with 16:10 aspect ratio 70-600 inch with the ET-D75LE8 / ET-D3LET80, 16:10 aspect ratio 120-600 inch with the ET-D75LE95, 16:10 aspect ratio
<b>Center-to-Corner Uniformity*3</b>	90 %
<b>Contrast*3</b>	20,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3)
<b>Optical axis shift*5   Vertical (from center of screen)</b>	±59 % (±56 % with ET-D75LE6 / ET-D3LEW60, +69 % - +84 % with ET-D75LE95) (powered)
<b>Optical axis shift*5   Horizontal (from center of screen)</b>	±29 % (±19 % with ET-D75LE6 / ET-D3LEW60, ±21 % with ET-D75LE95) (powered)
<b>Keystone Correction Range</b>	Vertical: ±40° (± 22° with ET-D75LE50 / ET-D3LEW50, ±28° with ET-D75LE6 / ET-D3LEW60, +5° with ET-D75LE95), Horizontal: ±15° (0° with ET-D75LE95)
<b>Keystone correction range with optional Upgrade Kit ET-UK20</b>	Vertical: ±45° (± 40° with ET-D75LE10 / ET-D3LEW10, ET-D75LE20 / ET-D3LES20, ±22° with ET-D75LE50 / ET-D3LEW50, ±28° with ET-D75LE6 / ET-D3LEW60, +5° with ET-D75LE95) Horizontal: ±40° (±15° with ET-D75LE50 / ET-D3LEW50, ET-D75LE6 / ET-D3LEW60, ET-D75LE10 / ET-D3LEW10, 0° with ET-D75LE95), Up to a total of ±30° during simultaneous horizontal and vertical correction
<b>Installation</b>	Horizontal/vertical, free 360-degree installation
<b>Terminals   SDI 1 IN</b>	BNC x 1: 3G/HD/SD-SDI input, Dual-link HD-SDI (Link-A), Dual-link 3G-SDI (Link 1), Quad-link HD-SDI (Link 1), Quad-link 3G-SDI (Link 1)
<b>Terminals   SDI 2 IN</b>	BNC x 1: 3G/HD/SD-SDI input, Dual-link HD-SDI (Link-B), Dual-link 3G-SDI (Link 2), Quad-link HD-SDI (Link 2), Quad-link 3G-SDI (Link 2)
<b>Terminals   SDI 3 IN</b>	BNC x 1: 3G/HD/SD-SDI input, Dual-link HD-SDI (Link-A), Dual-link 3G-SDI (Link 1), Quad-link HD-SDI (Link 3), Quad-link 3G-SDI (Link 3)
<b>Terminals   SDI 4 IN</b>	BNC x 1: 3G/HD/SD-SDI input, Dual-link HD-SDI (Link-B), Dual-link 3G-SDI (Link 2), Quad-link HD-SDI (Link 4), Quad-link 3G-SDI (Link 4)
<b>Terminals   Multi Projector Sync In</b>	BNC x 1
<b>Terminals   Multi Projector Sync Out</b>	BNC x 1
<b>Terminals   Serial In</b>	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
<b>Terminals   Serial Out</b>	D-sub 9-pin (male) x 1 for link control
<b>Terminals   REMOTE 1 IN</b>	M3 x 1 for wired remote control, link control
<b>Terminals   REMOTE 1 OUT</b>	M3 x 1 for wired remote control, link control
<b>Terminals   Remote 2 In</b>	D-sub 9-pin (female) x 1 for external control (parallel)
<b>Terminals   LAN/DIGITAL LINK</b>	RJ-45 x 1 for network, DIGITAL LINK connection (HDBaseT™ compliant), 100Base-TX, compatible with Art-Net, PJLink™ (Class 2), Deep Color, HDCP2.2
<b>Terminals   DC Out</b>	USB Type A x 2 (for power supply DC 5V total of 2 A)
<b>Terminals   Expansion Slot</b>	SLOT 1 / SLOT 2 (total two terminals, vacant) for interface boards, SLOT NX compatible
<b>Power Supply</b>	AC 200-240 V, 50/60 Hz; AC 100-200 V, 50/60 Hz (brightness is restricted with lower voltage)
<b>Power Consumption</b>	TBD
<b>Cabinet Materials</b>	Molded plastic
<b>Dimensions (W x H x D) (mm)</b>	598 x 270 x 725 mm (not including protruding parts)
<b>Dimensions (W x H x D) (inch)</b>	23 17/32 inch x 10 5/8 inch x 28 17/32 inch (not including protruding parts)
<b>Weight (kg)*6</b>	Approx. 55 kg
<b>Weight (lbs.)*6</b>	Approx. 122 lbs
<b>Operating noise*3</b>	TBD
<b>Operating environment (°C/M)</b>	Operating temperature: 0-45 °C *6, operating humidity: 10-80 % (no condensation)
<b>Operating environment (°F/Feet)</b>	Operating temperature: 32-113 °F *6, operating humidity: 10-80 % (no condensation)

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<b>Applicable software/application</b>	Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™
<b>Note</b>	<p>*1 Refresh-rate varies depending on vertical scanning frequency.</p> <p>*2 Luminance measured at center of screen.</p> <p>*3 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118:2012 international standards. Value is average of all products when shipped.</p> <p>*4 Lens shift is not supported on the ET-D75LE50/ET-D3LEW50.</p> <p>*5 Average value. May differ depending on the actual unit.</p> <p>*6 Light source brightness may decrease depending on operating temperature. When projector is operating at high temperature or at high altitude, brightness will decrease correspondingly.</p>