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/id/en/products/projectors/pt-rq22k

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

Applicable software/application	Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™
Note	*1 Refresh-rate varies depending on vertical scanning frequency.
	*2 Luminance measured at center of screen.
	*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.
	*4 Lens shift is not supported on the ET-D75LE50/ET-D3LEW50.
	*5 Average value. May differ depending on the actual unit.
	*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.