



**6,000 lm PT-FRQ60 1-Chip DLP™ 4K Projector Delivers Smooth, Detailed Images for an Insightful Visual Experience**

## PT-FRQ60

Compact 1-Chip DLP™ Projectors Deliver Smooth, Detailed Images for an Insightful Visual Experience

### Key Features

1-Chip DLP™ laser projector, 6,000lm brightness

4K (3840 x 2160) output resolution, ideal for museum exhibitions, education, and corporate offices

2.0x zoom lens and wide V/H Lens Shift (V: +71 %, -48 %, H: +34 %, -27 %)

Preactivated upgrade kit for Geometry Manager Pro

Supports 240Hz/1080p high frame rate with minimal input-to-output latency





## PT-FRQ60

<https://ap.connect.panasonic.com/sg/en/products/projectors/pt-frq60>

<b>Projector type</b>	1-Chip DLP™ projector
<b>DLP™ Chip   Panel Size</b>	16.5 mm (0.65 in) diagonal (16:9 aspect ratio)
<b>DLP™ Chip   Display Method</b>	DLP™ chip x 1, DLP™ projection system
<b>DLP™ chip   Number of Pixels*1</b>	1920 x 1080 pixels (If a signal other than 120 Hz/240 Hz is input, it cannot be displayed at this resolution.)
<b>Light Source</b>	Laser diodes
<b>Light output *2 *3</b>	6,000 lm / 6,200 lm (Center)*4
<b>Time until light output declines to 50 %*5</b>	20,000 hours (NORMAL/QUIET)/24,000 hours (ECO)
<b>Resolution</b>	4K (3840 x 2160 pixels) (With Quad Pixel Drive)
<b>Contrast Ratio*2</b>	20,000:1 (Full On/Full Off) (When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1]. HDMI signal input)
<b>Screen Size (Diagonal)</b>	1.02–7.62 m (40–300 in), 16:9 aspect ratio
<b>Center-to-corner zone ratio*2</b>	90 %
<b>Lens</b>	2.0x manual zoom (throw ratio: 1.46–2.93:1), manual focus, F 2.0–3.4, f 21.5–43.0 mm
<b>Lens shift   Vertical(From the origin point of the lens mounter)</b>	+71 %, -48 % (manual)
<b>Lens shift   Horizontal(From the origin point of the lens mounter)</b>	+34 %, -27 % (manual)
<b>Keystone Correction Range</b>	Vertical: ±40 °, Horizontal: ±20 °
<b>Installation</b>	Ceiling/floor, front/rear, free 360-degree installation
<b>Terminals   HDMI IN 1/2</b>	HDMI 19-pin x 2 (Compatible with HDCP 2.3, Deep Color, 4K/60p signal input6), CEC supported
<b>Terminals   Computer In</b>	D-sub HD 15-pin (female) x 1 (RGB/Y/PBPR/Y/CBCR)
<b>Terminals   Monitor Out</b>	D-sub HD 15-pin (female) x 1 (RGB/Y/PBPR/Y/CBCR)
<b>Terminals   Audio In/Out</b>	M3 stereo mini-jack x 2
<b>Terminals   Serial In</b>	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
<b>Terminals   DIGITAL LINK/LAN</b>	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 signal input*7)
<b>Terminals   LAN</b>	RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PLink™ [Class 2], Art-Net)
<b>Terminals   USB</b>	USB connector (Type A) x 1 for optional AJ-WM50 Series Wireless Module, for USB memory, and for power supply (DC 5 V, maximum 2 A)
<b>Power Supply</b>	AC 100–240 V, 50/60 Hz; AC 110 V, 60 Hz (Taiwan)
<b>Power Consumption</b>	505 W
<b>Cabinet Materials</b>	Molded plastic
<b>Operation Noise*2</b>	36 dB (NORMAL/ECO) / 31 dB (QUIET)
<b>Dimensions (W x H x D)*8</b>	498 x 168 x 492 mm (19 5/8" x 6 5/8" x 19 3/8")
<b>Weight*9</b>	Approx. 16.4 kg (36.2 lbs)
<b>Operating Environment</b>	Operating temperature: 0–45 °C (32–113 °F)*10, operating humidity: 10–80 % (no condensation)
<b>Applicable Software</b>	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro*11
<b>Note</b>	*1 If a signal other than 120 Hz/240 Hz is input, it cannot be displayed at this resolution. *2 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. *3 When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. *4 Average light-output value of all shipped products measured at center of screen in NORMAL Mode. *5 Around this time, light output will have decreased to approximately 50 % of its original level ([PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] set to [2], temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m3 of particulate matter). Estimated time until light output declines to 50 % varies depending on environment. *6 4K/60p signals are converted to the projector's resolution upon projection. *7 4K/60p signal input is converted to projector's resolution, supports Y/PBPR 4:2:0 format only. *8 With legs fully retracted. *9 Average value. May differ depending on the actual unit. *10 When using the projector at an altitude lower than 2,700 m (8,858 ft) above sea level, and the operating environment temperature becomes 35 °C (95 °F) or higher, the light output may be reduced to protect the projector. When optional AJ-WM50 Series Wireless Module is attached, operating temperature range becomes 0–40 °C (32–104 °F). *11 Some features only available after August 2022.