



**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://latam.connect.panasonic.com/pa/es/productos/proyectores/pt-frq60>

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| <b>Projector type</b>  | 1-Chip DLP™ projector   |
| <b>Display method</b>  | DLP™ chip x 1, DLP™ projection system   |
| <b>Display Device -&gt; Panel size</b>                           | 16.5 mm (0.65 in) diagonal (16:9 aspect ratio)  |
| <b>Display Device -&gt; Number of pixels</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 *1 *2</b>  | 6,000 lm  |
| <b>Light output (ANSI) *3</b>                                    | 6,000 lm  |
| <b>Light output (Center) *2 *4</b>                               | 6,200 lm (Center)   |
| <b>Time until light output declines to 50 %</b>                  | 20,000 hours [NORMAL]   |
| <b>-&gt; NORMAL *5</b>   |   |
| <b>Time until light output declines to 50 %</b>                  | 24,000 hours [ECO]  |
| <b>-&gt; ECO *5</b>  |   |
| <b>Time until light output declines to 50 %</b>                  | 20,000 hours [QUIET]  |
| <b>-&gt; QUIET *5</b>  |   |
| <b>Resolution</b>  | 4K (3840 x 2160 pixels)(With Quad Pixel Drive)  |
| <b>Contrast Ratio (typ.) *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 -&gt; Vertical(from center of screen)</b>          | +71 %, -48 % (manual)   |
| <b>Lens shift -&gt; Horizontal(from center of screen) *6</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 -&gt; HDMI™ IN</b>                                  | HDMI™ 19-pin x 2 (Compatible with HDCP 2.3, Deep Color, 4K/60p signal input*6), CEC supported   |
| <b>Terminals -&gt; COMPUTER IN ( D-SUB 15pin )</b>               | D-sub HD 15-pin (female) x 1 (RGB/YPbPr/YCbCr)  |
| <b>Terminals -&gt; COMPUTER OUT ( D-SUB 15pin )</b>              | D-sub HD 15-pin (female) x 1 (RGB/YPbPr/YCbCr)  |
| <b>Terminals -&gt; AUDIO IN(M3 Stereo Mini Jack)</b>             | M3 stereo mini-jack x 2   |
| <b>Terminals -&gt; AUDIO OUT(M3 Stereo Mini Jack)</b>            | M3 stereo mini-jack x 2   |
| <b>Terminals -&gt; SERIAL IN</b>                                 | D-sub 9-pin (female) x 1 for external control (RS-232C compliant)   |
| <b>Terminals -&gt; DIGITAL LINK IN / LAN</b>                     | RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBaseT™ compliant), 100Base-TX (Compatible with PLink™ [Class 2], Art-Net, HDCP 2.3, Deep Color, 4K/60p signal Input*7, Extron XTP®) |
| <b>Terminals -&gt; LAN</b>                                       | RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PLink™ [Class 2], Art-Net)  |
| <b>Terminals -&gt; USB TYPE A</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>Terminals -&gt; SLOT</b>                                      | IPv4, IPv6 *8   |
| <b>Protocol versions</b>   | IPv4, IPv6 *9   |
| <b>Power supply</b>  | AC 100-240 V, 50/60 Hz,<br>AC 110 V, 60 Hz (Taiwan)   |
| <b>Maximum power consumption *9</b>                              | 505 W (5.5-2.4 A) (525 VA)  |
| <b>On-mode power consumption(Operating mode) -&gt; Normal *9</b> | [NORMAL] 445 W  |
| <b>On-mode power consumption(Operating mode) -&gt; Eco *9</b>    | [ECO] 355 W   |
| <b>On-mode power consumption(Operating mode) -&gt; Quiet *9</b>  | [QUIET] 355 W   |
| <b>Standby power consumption -&gt; Normal</b>                    | 15 W ( Standby Mode ) [ NORMAL ]  |
| <b>Standby power consumption -&gt; ECO</b>                       | 0.5 W ( Standby Mode ) [ ECO ]  |
| <b>Cabinet materials</b>   | Molded plastic  |
| <b>Filter</b>  | No  |
| <b>Operation noise -&gt; Normal *2</b>                           | 36 dB [NORMAL]  |
| <b>Operation noise -&gt; Eco *2</b>                              | 36 dB [ECO]   |
| <b>Operation noise -&gt; Quiet *2</b>                            | 31 dB [QUIET]   |
| <b>Dimensions (W x H x D)</b>                                    | 498 x 168 x 492 mm (19 5/8" x 6 5/8" x 19 3/8" )  |

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| <b>Dimensions (W x H x D) -&gt; Width (not including protruding parts)</b> | 498 mm (19 5/8")   |
| <b>Dimensions -&gt; Height (including protruding parts)</b>                | 168 mm (6 5/8")  |
| <b>Dimensions -&gt; Depth (not including protruding parts)</b>             | 492 mm (19 3/8")   |
| <b>Weight *10</b>  | Approx. 16.4 kg (36.2 lbs)   |
| <b>Operating environment -&gt; Operating temperature *11</b>               | 0–45 °C (32–113 °F)  |
| <b>Operating Environment -&gt; Operating humidity (No condensation)</b>    | 10–80 % (no condensation)  |
| <b>Applicable software</b>   | Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Projector Network Setup Software  |
| <b>Control function via LAN</b>  | Crestron Connected™ V2, Crestron XiO Cloud™*12, Art-Net DMX, AMX® DD, and PJLink™ (Class 2)  |
| <b>Footnote Description</b>  | <ol style="list-style-type: none"> <li>1. If a signal other than 120 Hz/240 Hz is input, it cannot be displayed at this resolution.</li> <li>2. When [PICTURE MODE] is set to [DYNAMIC], [DAYLIGHT VIEW] is set to [OFF], [DYNAMIC CONTRAST] is set to [OFF], [LIGHT OUTPUT] is set to [100%], and [AUTO POWER SAVE] is set to [OFF].</li> <li>3. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped.</li> <li>4. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped.</li> <li>5. Average light-output value of all shipped products measured at the center of the screen.</li> <li>6. 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.</li> <li>7. 4K/60p signals are converted to the projector's resolution upon projection.</li> <li>8. 4K/60p signals are converted to projector's resolution. Supports YPBPR 4:2:0 format only.</li> <li>9. Main firmware version must be 3.00 or higher. Optional AJ-WM50 Series Wireless Module is not compatible with IPv6.</li> <li>10. With legs fully retracted.</li> <li>11. Average value. May differ depending on the actual unit.</li> <li>12. 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).</li> <li>13. Main firmware version must be 3.00 or higher.</li> </ol> |