



**5,200 lm PT-FRQ50 1-Chip DLP™ 4K Projector Delivers Smooth, Detailed Images for an Insightful Visual Experience**

**PT-FRQ50**

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

**Key Features**

1-Chip DLP™ laser projector, 5,200lm 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-FRQ50

<https://ap.connect.panasonic.com/vn/en/products/projectors/pt-frq50>

|   |   |
|---|---|
| <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>  | 5,200 lm  |
| <b>Time until light output declines to 50 %*4</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>Terminals   HDMI IN 1/2</b>  | HDMI 19-pin x 2 (Compatible with HDCP 2.3, Deep Color, 4K/60p signal input 5), CEC supported  |
| <b>Terminals   Computer In</b>  | D-sub HD 15-pin (female) x 1 (RGB/YBPBR/YCBCR)  |
| <b>Terminals   Monitor Out</b>  | D-sub HD 15-pin (female) x 1 (RGB/YBPBR/YCBCR)  |
| <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 6 )  |
| <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>  | 480 W   |
| <b>Operation Noise*2</b>  | 35 dB (NORMAL/ECO) / 28 dB (QUIET)  |
| <b>Dimensions (W x H x D)*7</b>   | 498 x 168 x 492 mm (19 5/8" x 6 5/8" x 19 3/8" )  |
| <b>Weight*8</b>   | Approx. 16.1 kg (35.5 lbs)  |
| <b>Operating Environment</b>  | Operating temperature: 0–45 °C (32–113 °F 9), operating humidity: 10–80 % (no condensation)   |
| <b>Applicable Software</b>  | Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro 10  |
| <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 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. *5 4K/60p signals are converted to the projector's resolution upon projection. *6 4K/60p signal input is converted to projector's resolution, supports YBPBR 4:2:0 format only. *7 With legs fully retracted. *8 Average value. May differ depending on the actual unit. *9 When optional AJ-WM50 Series wireless module is attached, operating temperature range becomes 0–40 °C (32–104 °F). *10 Feature only available after May 2022. |