

# New 5,200 Im<sup>\*1</sup> PT-FRQ50 1-Chip DLP™ 4K Projector Delivers Smooth, Detailed Images for an Insightful Visual Experience



Black Models



White Models



	PT-FRQ50
Light Output	5,200 Im <sup>*1</sup>
Resolution	4K (3840 x 2160 pixels) <sup>*2</sup>
Aspect Ratio	16:9

## • Exceptionally Smooth and Detailed 4K Image Quality

Quad Pixel Drive 2-axis pixel-quadrupling technology creates detailed 4K images retaining natural sharpness and clarity, while Rich Color Enhancer produces vivid, accurate colors. High-speed 240 Hz processing creates smooth, grid-less images while supporting up to 240 Hz/1080p frame rates with a minimal latency of 8 ms or less<sup>\*3</sup>.

## • Flexible, Simple to Use, and Easy to Integrate

Versatile 2.0x zoom supports flexible throw-distances while V/H Lens-Shift expands installation flexibility. Two CEC-compliant HDMI® inputs join DIGITAL LINK and LAN terminals for easy integration into 4K infrastructure. Preactivated upgrade kits for Geometry Manager Pro<sup>\*4</sup> and new Remote Preview Lite<sup>\*5</sup> secure an effortless 4K experience.

## • Highly Reliable Low-Maintenance Projection

Filterless heat-pipe-based cooling draws heat from the hermetically sealed optical block to support 20,000-hour<sup>\*6</sup> maintenance-free projection. Multi Monitoring & Control Software with optional Early Warning functions<sup>\*7</sup> prevents downtime by alerting the operator before problems occur, streamlining management and enhancing reliability in museums, classrooms, and offices.

\*1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. \*2 With Quad Pixel Drive. \*3 Display frame rate corresponds to the input signal frame rate. Geometric adjustment features must be disabled. \*4 Register your projector at PASS to download free Geometry Manager Pro software for Windows® PC. Mac OS not supported. Some features only available from spring 2022. \*5 Requires Multi Monitoring & Control Software Version 3.0 or later. \*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/m<sup>3</sup> of particulate matter). Estimated time until light output declines to 50 % varies depending on environment. \*7 Requires Multi Monitoring & Control Software Version 3.0 or later with Early Warning functions activated (paid license required after 90-day trial period elapses).

## Specifications (Tentative)

<b>Model</b>	<b>PT-FRQ50</b>	
<b>Projector type</b>	1-Chip DLP™ projector	
<b>DLP™ chip</b>	<b>Panel size</b>	16.5 mm (0.65 in) diagonal (16:9 aspect ratio)
	<b>Display method</b>	DLP™ chip x 1, DLP™ projection system
	<b>Number of pixels</b>	1920 x 1080 pixels
<b>Light source</b>	Laser diodes	
<b>Light output*1*2</b>	5,200 lm	
<b>Time until light output declines to 50 %*3</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*1</b>	20,000:1 (Full On/Full Off) (When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [2]. 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*1</b>	90 %	
<b>Lens</b>	2.0x manual zoom (throw ratio: 1.45–2.92:1), manual focus, F 1.7–1.9, f 21.5–43.0 mm	
<b>Lens shift</b> (From the origin point of the lens mounter)	<b>Vertical</b>	+71 %, -49 % (manual)
	<b>Horizontal</b>	+34 %, -27 % (manual)
<b>Keystone correction range</b>	TBD	
<b>Installation</b>	Ceiling/floor, front/rear, free 360-degree installation	
<b>Terminals</b>	<b>HDMI IN</b>	HDMI 19-pin x 2 (Compatible with HDCP 2.3, Deep Color, 4K/60p signal input), CEC supported
	<b>COMPUTER IN</b>	D-sub HD 15-pin (female) x 1 (RGB/Y/PbPr/YCbCr)
	<b>COMPUTER OUT</b>	D-sub HD 15-pin (female) x 1 (RGB/Y/PbPr/YCbCr)
	<b>AUDIO IN 1</b>	Pin jack x 1 (L, R)
	<b>AUDIO IN 2/3</b>	M3 stereo mini-jack x 1 / M3 stereo mini-jack x 1
	<b>AUDIO OUT</b>	M3 stereo mini-jack x 1 (Variable)
	<b>SERIAL IN</b>	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
	<b>DIGITAL LINK/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)
	<b>LAN</b>	RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PLink™ [Class 2], Art-Net)
	<b>DC OUT</b>	USB Connector (Type A) x 1 (Output 5 V/2 A)
<b>Power supply</b>	AC 100–240 V, 50/60 Hz	
<b>Power consumption</b>	TBD	
<b>Cabinet materials</b>	Molded plastic	
<b>Operation noise*1</b>	35 dB (NORMAL/ECO) [TBD] / 28 dB (QUIET) [TBD]	
<b>Dimensions (W x H x D)*4</b>	498 x 168 x 492 mm (19 5/8" x 6 5/8" x 19 3/8") [TBD]	
<b>Weight*5</b>	Approx. 16.5 kg (36.4 lbs) [TBD]	
<b>Operating environment</b>	Operating temperature: 0–45 °C (32–113 °F), operating humidity: 10–80 % (no condensation)	
<b>Applicable software</b>	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro*6	

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## Optional Accessories

- Ceiling Mount Bracket**  
 ET-PKD120H\* (for high ceilings)  
 ET-PKD120S\* (for low ceilings)  
\* PKD120H/PKD120S used in combination with ET-PKD130B (sold separately).
- Attachment for Ceiling Mount Bracket**  
 ET-PKD130B
- DIGITAL LINK Switcher**  
 ET-YFB200G\*  
\* Not compatible with 4K signals.
- Digital Interface Box**  
 ET-YFB100G\*  
\* Not compatible with 4K signals.
- Early Warning Software**  
 ET-SWA100 Series\*  
\* Part number suffix may differ depending on the license type.
- Wireless Presentation System PressIT**  
 TY-WPS1 (basic set)  
Visit [panasonic.net/cns/prodisplays/pressit](http://panasonic.net/cns/prodisplays/pressit) for more information.
- D-sub/S-VIDEO Conversion Cable**  
 ET-ADSV

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All information included here is valid as of June 2021.

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