



Vivid Color and Excellent Reliability for Front or Rear Projection Where Space Is Limited

■ Main Features

01 | Flexible Versatility That's Easy to Integrate

Short-throw lens suits front or rear projection in museums, at exhibitions, or for signage. DIGITAL LINK and CEC-ready HDMI® terminals support 4K/60p input signals*1 while separate LAN terminal and 5 V/2 A USB-DC outlet enhance system integration flexibility.

02 | Bring Content to Life

Quartet Color Harmonizer, Rich Color Enhancer, and new high-precision Dynamic Contrast 2 setting join DLP™ imaging technology to deliver exhibition and signage content with stunning color and panache. Operation is a near-silent 27 dB*2.

03 | Proven SOLID SHINE Laser Reliability

Filterless cooling and sealed optics enable 20,000 hours*3 of maintenance-free projection. Multi-Laser Drive Engine*4 has failover protection*5, while optional Early Warning software*6 enhances reliability.



	PT-FRZ55
Light Output	5,000 lm ⁷ / 5,200 lm (Center) ⁸
Resolution	WUXGA
Lens	Fixed Short-Throw

*1 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. *2 In Quiet Mode (32 dB in Normal Mode). *3 Around this time, light output will have decreased by approximately 50%. IEC62087: 2008 Broadcast Contents, Normal Mode, Dynamic Contrast 2, temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Panasonic recommends cleaning or checkup at point of purchase after about 20,000 hours. Light-source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period. Estimated maintenance time varies depending on environment. *4 Rate of brightness decrease varies depending on projector model. *5 Specifications vary depending on projector model. *6 Early Warning functions (ET-SWA100 Series) are included with free Multi Monitoring & Control Software Ver. 3.0 or later and require a license key and activation after a 90-day trial period expires. *7 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. *8 Average light-output value of all shipped products measured at center of screen in Normal Mode.

Shadow-free Images in Confined Spaces

Deliver a bright 70-inch image from just 1.2 m (3.9 ft) courtesy of a 0.8:1 short-throw lens with powered focus, V/H lens-shift, and V/H keystone correction. The PT-FRZ55 is perfect for rear projection at museums, exhibitions, or for signage in areas with limited space. Lens and optional mount brackets are identical to the PT-RZ575 for easy swap-out.

Simple System Integration

Compatibility with 4K/60p input signals*1 streamlines integration into a 4K network while two CEC-ready HDMI® inputs and a 5 V/2 A USB-DC outlet support streaming device*2 connection. Separate LAN terminal for control signals frees DIGITAL LINK for video.

*1 Uncompressed 4K/60p signal input supported via DIGITAL LINK and HDMI. 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. *2 Sold separately. Compatibility with third-party devices is not guaranteed. *3 Rate of brightness decrease varies depending on projector model. *4 Specifications vary depending on projector model. *5 Around this time, light output will have decreased by approximately 50%. IEC62087: 2008 Broadcast Contents, Normal Mode, Dynamic Contrast 2, temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Panasonic recommends cleaning or checkup at point of purchase after about 20,000 hours. Light-source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period. Estimated maintenance time varies depending on environment. *6 In Quiet Mode (32 dB in Normal Mode). *7 Early Warning functions (ET-SWA100 Series) are included with free Multi Monitoring & Control Software Ver. 3.0 or later and require a license key and activation after a 90-day trial period expires. Visit the Panasonic projector global website for more information.

Specifications

Model	PT-FRZ55	
Projector type	1-Chip DLP™ projector	
DLP™ chip	Panel size	17.0 mm (0.67 in) diagonal (16:10 aspect ratio)
	Number of pixels	2,304,000 (1920 x 1200 pixels)
Light source	Laser diodes	
Light output	5,000 lm ¹ /5,200 lm (Center) 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])	
Time until light output declines to 50 % ³	20,000 hours (Normal)	
Resolution	1920 x 1200 pixels	
Contrast ratio ⁴	20,000:1 (Full On/Full Off, Picture Mode: Dynamic, Dynamic Contrast 1, Operating Mode: Normal)	
Screen size (diagonal)	1.02–7.62 m (40–300 in), 16:10 aspect ratio	
Center-to-corner zone ratio ¹	85 %	
Lens	Fixed (throw ratio: 0.8:1), powered focus, F 1.75, f 11.9 mm	
Lens shift (From the origin point of the lens mounter)	Vertical	±4.4 % (powered)
	Horizontal	±2.1 % (powered)
Keystone correction range	Vertical: ±25 °, Horizontal: ±20 °	
Terminals	HDMI 1 IN/HDMI 2 IN	HDMI 19-pin x 2 (Compatible with HDCP 2.3, Deep Color, 4K/60p signal input ⁴), CEC supported
	COMPUTER 1 IN	D-sub HD 15-pin (female) x 1 (RGB/YPbPr/YCbCr)
	COMPUTER 2 IN/1 OUT	D-sub HD 15-pin (female) x 1 (RGB/YPbPr/YCbCr)
	VIDEO IN	Pin jack x 1 (composite video)
	AUDIO IN 1	Pin jack x 1 (L, R)
	AUDIO IN 2/3	M3 x 1/M3 x 1
	AUDIO OUT	M3 x 1 (Variable)
	SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
	DIGITAL LINK	RJ-45 x 1 for network and DIGITAL LINK connections (HDBaseT™ compliant), PJLink™ (Class 2) compatible, 100Base-TX, Art-Net compatible, HDCP 2.3 compatible, Deep Color compatible, 4K/60p signal input ⁴
	LAN	RJ-45 x 1 for network connection, PJLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible
	USB	USB connector (Type A) x 1 (Output 5 V/2 A)
Power supply	AC 100–240 V, 50/60 Hz	
Power consumption	465 W	
Operation noise ¹	27 dB (Quiet Mode), 32 dB (Normal Mode)	
Dimensions (W x H x D)	498 x 168 ⁵ x 481 mm (19 5/8" x 6 5/8" x 18 15/16")	
Weight ⁶	Approx. 16.4 kg (36.1 lbs)	
Operating environment	Operating temperature: 0–45 °C (32–113 °F), operating humidity: 10–80 % (no condensation)	
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software	

*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. *2 Average light-output value of all shipped products measured at center of screen in Normal Mode. *3 Around this time, light output will have decreased by approximately 50%. IEC62087: 2008 Broadcast Contents, Normal Mode, Dynamic Contrast 2, temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Estimated time until light output declines to 50 % varies depending on environment. *4 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI. *5 With legs at shortest position. *6 Average value. May differ depending on the actual unit.

Optional Accessories

• Ceiling Mount Bracket

ET-PKD120H[†] (for high ceiling)
ET-PKD120S[†] (for low ceiling)
[†] ET-PKD120H/PKD120S used in combination with ET-PKD130B (sold separately).

• Projector Mount Bracket

ET-PKD130B

• DIGITAL LINK Switcher

ET-YFB200G

Note: ET-YFB200G is not compatible with 4K signals.

• Digital Interface Box

ET-YFB100G

Note: ET-YFB100G is not compatible with 4K signals.

• Early Warning Software

ET-SWA100/105

Note: Part number suffix may differ depending on the license type. Multi Monitoring & Control Software Ver. 3.0 or later is required. Please download from the following website:
<https://panasonic.net/cns/projector/download/application/>

Other Features

- Daylight View Basic
- Detail Clarity Processor 3
- Quick Start and Quick Off
- Free 360 ° body rotation
- Auto Image Rotation
- Edge Blending and Color Matching
- Multi Monitoring & Control Software with optional Early Warning functions⁷
- ECO Management System

Brilliant Color, Accurate Contrast

Quartet Color Harmonizer is an original color-wheel technology with optimized optical design. Light output is modulated to color requirements with pure white reproduction enhancing color accuracy. Rich Color Enhancer adjusts color-wheel timing for deepest saturation. With high-uniformity DLP™ and new Dynamic Contrast 2 setting, image quality is fully immersive.

Silent and Reliable Projection

Multi-Laser Drive Engine³ modules have Failover Circuitry⁴ to prevent dimming in the event of diode failure. Airtight DMD block and filterless cooling enable 20,000 hours⁵ maintenance-free projection at just 27 dB⁶. Reliability is enhanced with optional Early Warning software⁷.

Panasonic CONNECT



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For more information about Panasonic projectors, please visit:
Projector Global Website – <https://panasonic.net/cns/projector/>
Facebook – www.facebook.com/panasonicprojectoranddisplay
YouTube – www.youtube.com/user/PanasonicProjector

Note: Following the shift of the Panasonic Group to a holding company system, the Connected Solutions Company of the Panasonic Corporation has changed to Panasonic Connect Co., Ltd. as of April 1, 2022.

All information included here is valid as of April 2022.

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