



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.

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 Engine*3 modules have Failover Circuitry*4 to prevent dimming in the event of diode failure. Airtight DMD block and filterless cooling enable 20,000 hours*5 maintenance-free projection at just 27 dB*6. Reliability is enhanced with optional Early Warning software*7.

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 functions*7
- ECO Management System

*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:
www.panasonic.net/cns/projector/download/application/

• D-sub/S-VIDEO Conversion Cable

ET-ADSV

• Wireless Presentation System (PressIT)

TY-WPS1 (basic set)

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

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All information included here is valid as of October 2020.

FRZ55_G1 Printed in Japan.