

1-Chip DLP™ Projector

PT-FRZ55

Note: Product availability varies by country or region.

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, exhibitions, or for signage. 4K DIGITAL LINK¹ and CEC command-compatible² HDMI™ terminals support 4K/60p signals¹, while separate LAN and 5 V/2 A USB-DC outlet streamlines system integration.

02 | Bring Content to Life

Quartet Color Harmonizer, Rich Color Enhancer, and a high-precision Dynamic Contrast 2 setting join DLP™ imaging technology to deliver exhibition and signage content with stunning color and clarity. Operation is a near-silent 27 dB³.

03 | Proven SOLID SHINE Laser Reliability

Filterless cooling and sealed optics enable 20,000 hours⁴ of maintenance-free projection. Multi-Laser Drive Engine⁵ has Failover Circuitry⁶ to prevent dimming should a diode fail, enhancing reliability in mission-critical situations.

	PT-FRZ55
Light Output	5,000 lm ⁷ / 5,000 lm (ANSI) ⁸ / 5,200 lm (Center) ⁹
Resolution	WUXGA (1920 x 1200 pixels)
Lens	Fixed Short-Throw



¹ Signals with a different resolution are converted to the projector's resolution (1920 x 1200 pixels) upon projection. YPbPr 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK. ² Depending on the connected CEC command-compatible device, the link control may not operate normally. ³ In QUIET Mode (32 dB in NORMAL Mode). ⁴ 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 Projector & Display Corporation 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. ⁵ Rate of brightness decrease varies depending on projector model. ⁶ Specifications vary depending on projector model. ⁷ 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]. 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 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]. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. ⁹ 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 FRZ55 is ideal for rear projection at museums, exhibitions, or for signage in areas with limited space. Lens and optional mount brackets are identical to the previous model for easy swap-out.

Simple System Integration

Compatibility with 4K/60p input signals¹ streamlines integration into a 4K network while two CEC command-compatible² HDMI™ inputs and a 5 V/2 A USB-DC outlet support self-contained connection of the optional Wireless Presentation System PressIT³. Separate LAN terminal for control signals frees 4K DIGITAL LINK¹ for video.

1 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. YPbPr 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK. 2 Depending on the connected CEC command-compatible device, the link control may not operate normally. 3 Wireless Presentation System PressIT is sold separately. Availability may vary by country or region. For more information, please visit our global website. 4 Rate of brightness decrease varies depending on projector model. 5 Specifications vary depending on projector model. 6 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 Projector & Display Corporation 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. 7 In QUIET Mode (32 dB in NORMAL Mode).

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 ¹		5,000 lm ² / 5,000 lm (ANSI) ³ / 5,200 lm (Center) ⁴
Time until light output declines to 50 % ⁵		20,000 hours (NORMAL)
Resolution		1920 x 1200 pixels
Contrast ratio ²		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 ²		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™ 1/2 IN	HDMI™ 19-pin x 2 (Compatible with HDCP 2.3, Deep Color, 4K/60p signal input ⁶), 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 1 IN	Pin jack x 1 (L, R)
	AUDIO 2/3 IN	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 ⁶
	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		Single-phase AC 100–240 V, 50/60 Hz
Power consumption		465 W
Operation noise ²		27 dB (QUIET), 32 dB (NORMAL)
Dimensions (W x H x D)		498 x 168 ⁷ x 481 mm (19 ^{5/8} x 6 ^{5/8} x 18 ^{15/16} ")
Weight ⁸		Approx. 16.4 kg (36.2 lbs)
Operating environment		Operating temperature: 0–45 °C (32–113 °F) ⁹ , operating humidity: 10–80 % (no condensation)
Applicable software		Logo Transfer Software, Multi Monitoring & Control Software

1 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]. 2 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. 3 Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. 4 Average light-output value of all shipped products measured at the center of the screen. 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. Estimated time until light output declines to 50 % varies depending on environment. 6 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI™. 7 With legs at shortest position. 8 Average value. May differ depending on the actual unit. 9 The operating environment temperature should be between 0 °C (32 °F) and 40 °C (104 °F) if the projector is used at an altitude between 1,400 m (4,593 ft) and 4,200 m (13,780 ft). In the following operating environments, light output may be reduced to protect the projector: when the projector is used at altitudes below 2,700 m (8,858 ft) and ambient temperature is 30 °C (86 °F); and when the projector is used at altitudes between 2,700 m (8,858 ft) and 4,200 m (13,780 ft) exclusive and ambient temperature is 25 °C (77 °F) or higher.

Optional Accessories

- **Ceiling Mount Bracket**
ET-PKD120H (for high ceiling) / ET-PKD120S (for low ceiling)
Note: ET-PKD120H/PKD120S used in combination with ET-PKD130B (sold separately).
- **Projector Mount Bracket**
ET-PKD130B

- **ET-FMP50 Series Media Processors**
ET-FMP50 / ET-FMP20
Note: For more information, please visit:
<https://docs.connect.panasonic.com/projector/products/fmp50/>.

- **Wireless Presentation System PressIT**
TY-WPS2 (basic set)
Note: Visit <https://docs.connect.panasonic.com/prodisplays/products/ty-wps2/> for more information.

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Brilliant Color, Accurate Contrast

Quartet Color Harmonizer and Rich Color Enhancer are original color-wheel technologies that optimize white expression, expand red-channel output, and balance brightness for vivid, accurate color in any environment. DLP™ imaging ensures uniform color across single or multi-screen setups, while Dynamic Contrast 2 setting analyzes input signals frame by frame for deep, dynamic contrast, even in scenes with rapid brightness shifts.

Silent and Reliable Projection

Multi-Laser Drive Engine⁴ modules have Failover Circuitry⁵ to prevent dimming in the event of diode failure. Dust-resistant optical engine and filterless cooling enable 20,000 hours⁶ maintenance-free projection with operating noise as low as 27 dB⁷.

■ 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
- ECO Management System

For more information about Panasonic projectors, please visit:

Projector Global Website – <https://docs.connect.panasonic.com/projector/>
Facebook – www.facebook.com/panasonicprojectoranddisplay
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