



**Color-rich DLP™ Projectors Offer Dynamic Pictures with Flexible Integration into Classroom, Office, or Exhibition**

### ■ Main Features

## 01 | Dynamic Color for Bright Rooms

DLP™ imaging, Quartet Color Harmonizer, Rich Color Enhancer, and new digitally modulated Dynamic Contrast 2 setting produce images of surpassing brightness, color, and clarity.

## 02 | Quiet Projectors are Easy to Install

Quiet 27 dB\*<sup>1</sup> projection, 4K/60p signal input\*<sup>2</sup> via HDMI® and DIGITAL LINK, separate LAN terminal, and USB-DC outlet are supported. Models with flexible 2.0x zoom lens or short-throw lens\*<sup>3</sup> for rear projection are available.

## 03 | Proven SOLID SHINE Laser Reliability

Filterless cooling and airtight DMD block enable 20,000 hours\*<sup>4</sup> of maintenance-free projection. Multi-Laser Drive Engine\*<sup>5</sup> has failover protection while optional Early Warning software\*<sup>6</sup> underscores reliability.



PT-FRZ60/FRZ50  
\* Black model also available.



PT-FRZ55

### PT-FRZ60 Series

	PT-FRZ60	PT-FRZ50	PT-FRZ55
Light Output	6,000 lm* <sup>7</sup> / 6,200 lm (Center)* <sup>8</sup>	5,200 lm* <sup>7</sup> / 5,400 lm (Center)* <sup>8</sup>	5,000 lm* <sup>7</sup> / 5,200 lm (Center)* <sup>8</sup>
Resolution	WUXGA		
Lens	2.0x Zoom Lens		Fixed Short-throw Lens

\*<sup>1</sup> For the PT-FRZ50/FRZ55 in Quiet Mode (32 dB in Normal Mode). Operating noise for the PT-FRZ60 is 30 dB in Quiet Mode or 35 dB in Normal Mode. \*<sup>2</sup> 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. \*<sup>3</sup> PT-FRZ55 only. \*<sup>4</sup> Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents. Normal Mode, Dynamic Contrast 1, temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m<sup>3</sup> 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. \*<sup>5</sup> Rate of brightness decrease varies depending on projector model. \*<sup>6</sup> 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. \*<sup>7</sup> Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. \*<sup>8</sup> Average light-output value of all shipped products measured at center of screen in Normal Mode.

## Optimized for Color and Contrast

Quartet Color Harmonizer is an original color-wheel technology with optimized optical design. It modulates light-output to color requirements, achieving pure white for beautifully accurate color reproduction without sacrificing brightness. Rich Color Enhancer adjusts color-wheel timing for deeper color saturation. With uniformity assured by DLP™ imaging and Dynamic Contrast 2, single- or multi-screen projections immerse you completely.

## Smooth System Integration

Compatibility with 4K/60p input signals\*1 enables easy integration into a 4K display network, while two CEC-ready HDMI® inputs and USB-DC outlet connect streaming devices\*2 or PressIT™3, Panasonic's new one-touch Wireless Presentation System. Separate LAN terminal for IP control 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 Compatibility with third-party devices is not guaranteed. Devices sold separately. \*3 Optional WP Series Wireless Presentation System on sale from September 2020 (availability may vary by country or region). Visit the Panasonic projector website for more information. \*4 Rate of brightness decrease varies depending on projector model. \*5 Specifications vary depending on model. \*6 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, Normal Mode, Dynamic Contrast 1, 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. \*7 For the PT-FRZ50/FRZ55 in Quiet Mode (32 dB in Normal Mode). Operating noise for the PT-FRZ60 is 30 dB in Quiet Mode or 35 dB in Normal Mode. \*8 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-FRZ60	PT-FRZ50	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		6,000 lm*/6,200 lm (Center)** (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])	5,200 lm*/5,400 lm (Center)** (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])	5,000 lm*/5,200 lm (Center)** (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*1		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		90 %		85 %
Lens		2.0x manual zoom (throw ratio: 1.46–2.94:1), manual focus, F 2.0–3.4, f 21.5–43.0 mm		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	+64 %, -44 % (manual)		±4.4 % (powered)
	Horizontal	+34 %, -27 % (manual)		±2.1 % (powered)
Keystone correction range		Vertical: ±40 °, Horizontal: ±20 °		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*), CEC supported		
	COMPUTER 1 IN	D-sub HD 15-pin (female) x 1 (RGB/YpPr/YcCr)		
	COMPUTER 2 IN/1 OUT	D-sub HD 15-pin (female) x 1 (RGB/YpPr/YcCr)		
	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		540 W	465 W	
Operation noise*1		30 dB (Quiet Mode), 35 dB (Normal Mode)		
Dimensions (W x H x D)		498 x 168*5 x 492 mm (19 5/8" x 6 5/8" x 19 3/8")		498 x 168*5 x 481 mm (19 5/8" x 6 5/8" x 18 15/16")
Weight*6		Approx. 16.1 kg (35.5 lbs)	Approx. 16.0 kg (35.3 lbs)	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 1, 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/](http://www.panasonic.net/cns/projector/download/application/)

### • D-sub/S-VIDEO Conversion Cable

ET-ADS  
• Wireless Presentation System (PressIT)  
TY-WPS1 (basic set)

# Panasonic®

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For more information about Panasonic projectors, please visit:  
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YouTube – [www.youtube.com/user/PanasonicProjector](https://www.youtube.com/user/PanasonicProjector)

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