Panasonic
BUSINESS

PT-**FRZ60** Series
1-Chip DLP™ Projectors

AVAILABLE FROM OCTOBER 2020

Easy-to-Manage 1-Chip DLP™ Laser Projectors Offer Clear Pictures in Bright Rooms with Flexible Integration in the Classroom or Office

PT-FRZ60/FRZ50

Black model also available.

PT-FRZ55

PT-FRZ60 Series		
	PT-FRZ60	PT-FRZ50	PT-FRZ55
Light Output	6,000 lm*1/6,200 lm (Center)*2	5,200 lm*1/5,400 lm (Center)*2	5,000 lm*1/5,200 lm (Center)*2
Resolution	WUXGA		

• *Brilliant, Dynamic Images in Bright Rooms*

The PT-FRZ60 Series adds a new Dynamic Contrast 2 setting to its Dynamic Contrast function, which uses digitally controlled scene-linking to directly modulate laser output, to further enhance contrast accuracy. Quartet Color Harmonizer boosts vibrancy while Rich Color Enhancer adjusts wheel-timing to optimize image quality to suit different picture modes.

• *Light and Compact Projectors are Easy to Install and Work Silently*

Projector operating noise is suppressed to an inaudible 27 dB[*3] in Quiet Mode. A 2.0x optical zoom[*4] improves installation flexibility while 4K signal input[*5] via CEC-compatible HDMI® and DIGITAL LINK smooths integration with 4K infrastructure. There's a separate LAN terminal, and a 5 V/2 A USB outlet to support wireless projection.

• *Proven SOLID SHINE Laser Reliability*

The PT-FRZ60 Series features a high-efficiency filterless cooling system, hermetically sealed DMD block, and dust-resistant shielded laser drive to assure 20,000 hours[*6] of stable maintenance-free projection. A linear brightness ramp and strong color retention preserve image quality for longer.

*1 Measurement, measuring conditions (TBD), 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 FRZ50/FRZ55 only (TBD). FRZ60 operates at 30 dB in Quiet Mode (TBD). *4 Excluding the PT-FRZ55. *5 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI®. *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. Estimated time until brightness decreases to 50 % will vary depending on environment and usage conditions. Parts other than the light source may require replacement before 20,000 hours, and checkup is recommended around this time.

Specifications (Tentative)

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)		
	Display method	DLP™ chip x 1, DLP™ projection system		
	Number of pixels	2,304,000 (1920 x 1200 pixels)		
Light source		Laser diodes		
Light output		6,000 lm*[1]/6,200 lm (Center)*[2]	5,200 lm*[1]/5,400 lm (Center)*[2]	5,000 lm*[1]/5,200 lm (Center)*[2]
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, Dynamic Contrast 2)		
Screen size (diagonal)		1.02–7.62 m (40–300 in), 16:10 aspect ratio		
Center-to-corner zone ratio*[1]		90 %		
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 °
Installation		Ceiling/floor, front/rear, free 360-degree installation		
Terminals	HDMI IN	HDMI 19-pin x 2 (Compatible with HDCP 2.2, Deep Color, 4K/60p signal input*[4]), CEC supported		
	COMPUTER 1 IN	D-sub HD 15-pin (female) x 1 (RGB/YPbPr/YCbCr/YC)		
	COMPUTER 2 IN/1 OUT	D-sub HD 15-pin (female) x 1 (RGB/YPbPr/YCbCr/YC)		
	VIDEO IN	Pin jack x 1 (composite video)		
	AUDIO IN 1	Pin jack x 2 (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 2.2 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		TBD		
Cabinet materials		Molded plastic		
Operation noise*[1]		30 dB (Quiet Mode) (TBD), 35 dB (Normal Mode) (TBD)	27 dB (Quiet Mode) (TBD), 32 dB (Normal Mode) (TBD)	
Dimensions (W x H x D)		498 x 168*[5] x 492 mm (19 5/8″ x 6 5/8″*[5] x 19 3/8″)		498 x 168*[5] x 481 mm (19 5/8″ x 6 5/8″*[5] x 18 15/16″)
Weight*[6]		Approx. 16.6 kg (36.6 lbs) (TBD)	Approx. 16.3 kg (35.9 lbs) (TBD)	Approx. 16.6 kg (36.6 lbs) (TBD)
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		

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Optional Accessories

- **Ceiling Mount Bracket**
  ET-PKD120H* (for high ceiling)
  ET-PKD120S* (for low ceiling)
  The ET-PKD120H/PKD120S are used in combination with the 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. 2.0 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***
  Available from September 2020.

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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

All information included here is valid as of June 2020.

PT-FRZ60PRE3 Printed in Japan.