## Panasonic CONNECT



Easy-to-Manage, Super Simple 1 Chip DLP™ Laser Projector delivers Clear Pictures in Bright Rooms with Flexible Integration in the Classroom or Office

## PT-FRZ50

DLP™ imaging technology, Quartet Color Harmonizer, Rich Color Enhancer, and digitally modulated Dynamic Contrast 2 optimization coalesce in images of surpassing brightness, color, and clarity regardless of ambient light levels. Flexible 2.0x zoom lens with V/H Lens-Shift joins DIGITAL LINK and CEC-ready HDMI® terminals supporting 4K/60p input signals\*2. Separate LAN terminal and USB-DC outlet further streamline installation. Operation is almost

## **Key Features**

Laser 1-chip DLP, 5,200 lumens, WUXGA

DLP™ imaging technology, Quartet Color Harmonizer, Rich Color Enhancer, and digitally modulated Dynamic Contrast 2 optimization

Maintenance free up to 20,000 hours with dust-resistant optical block and long lasting laser engine

Flexible 2.0x zoom lens (1.46 - 2.94:1) with V/H Lens-Shift

Support uncompressed 4K/60p input signals via HDCP 2.2-compliant HDMI® inputs or DIGITAL LINK terminal























## PT-FRZ50

https://latam.connect.panasonic.com/br/pt/produtos/projetores/pt-frz50

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Projector type	1-Chip DLP <sup>TM</sup> projector
Display method	DLP <sup>TM</sup> chip x 1, DLP <sup>TM</sup> projection system
Display Device -> Panel size	17.0 mm (0.67 in) diagonal (16:10 aspect ratio)
Display Device -> Number of pixels	2,304,000 (1920 x 1200 pixels)
Light source	Laser diodes
Light output	5,200 lm
Light output (ANSI)	5,200 lm
Light output (Center) *2 *4	5,400 lm (Center)
Time until light output declines to	
50 % -> NORMAL	
Resolution	1920 x 1200 pixels
Contrast Ratio (typ.)	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	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
Lens shift -> Vertical(from cente of screen)	
Lens shift -> Horizontal(from center of screen)	+34 %, -27 % (manual)
Keystone correction range	Vertical: ±40 °, Horizontal: ±20 °
Installation	Ceiling/floor, front/rear, free 360-degree installation
Terminals -> HDMI <sup>™</sup> IN	HDMI <sup>TM</sup> 19-pin x 2 (Compatible with HDCP 2.3, Deep Color, 4K/60p signal input*4), CEC
	supported
SUB 15pin )	D-sub HD 15-pin (female) x 1 (RGB/YP <sub>B</sub> P <sub>R</sub> /YC <sub>B</sub> C <sub>R</sub> )
	D-sub HD 15-pin (female) x 1 (RGB/YP <sub>B</sub> P <sub>R</sub> /YC <sub>B</sub> C <sub>R</sub> )
SUB 15pin )	
Terminals -> VIDEO IN	Pin jack x 1 (composite video)
Terminals -> AUDIO IN(M3	Pin jack x 1 (L, R)
Stereo Mini Jack) Terminals -> AUDIO IN(Pin Jack	M3 x 1
L/R) Terminals -> AUDIO OUT(M3	M3 x 1 (Variable)
Stereo Mini Jack)	
Terminals -> SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
Terminals -> DIGITAL LINK IN / LAN	RJ-45 $\times$ 1 for network and DIGITAL LINK connections (HDBaseT <sup>TM</sup> compliant), PJLink <sup>TM</sup> (Class 2 compatible, 100Base-TX, Art-Net compatible, HDCP 2.3 compatible, Deep Color compatible,
Terminals -> LAN	$4K/60p\ signal\ input*4$ RJ-45 x 1 for network connection, PJLink (Class 2) compatible, 10Base-T/100Base-TX, Art-Ne
	compatible
Terminals -> USB TYPE A	USB connector (Type A) x 1 (Output 5 V/2 A)
Power supply	AC 100-240 V, 50/60 Hz
Maximum power consumption	465 W (5.0–2.0 A)
On-mode power consumption(Operating mode) -	[NORMAL] 370 W >
Normal On-mode power	[ECO] 295 W
consumption(Operating mode) - Eco	
On-mode power consumption(Operating mode) - Quiet	[QUIET] 295 W >
Standby power consumption -> Normal	10 W(Standby Mode )[ NORMAL ]
Normal Standby power consumption -> ECO	0.5 W(Standby Mode )[ECO ]
Cabinet materials	Molded plastic
Filter	
riitei	No
Dunauntian mel + N/ 1	32 dB [NORMAL]
•	
Operation noise -> Quiet	27 dB [QUIET]
Operation noise -> Quiet 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" )
Operation noise -> Quiet Dimensions (W x H x D) Dimensions -> Width (including	
Operation noise -> Normal Operation noise -> Quiet Dimensions (W x H x D) Dimensions -> Width (including protruding parts) Dimensions -> Height (including	498 x 168*5 x 492 mm (19 5/8" x 6 5/8"*5 x 19 3/8" )
Operation noise -> Quiet Dimensions (W x H x D) Dimensions -> Width (including protruding parts)	498 x 168*5 x 492 mm (19 5/8" x 6 5/8"*5 x 19 3/8" ) 498 mm (19 5/8")

Weight	Approx. 16.0 kg (35.3 lbs)
Operating environment -> Operating temperature	0-45 °C (32-113 °F)
Operating Environment -> Operating humidity (No condensation)	10–80 % (no condensation)
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software
Footnote Description	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.
	2. Measurement, measuring conditions, and method of notation all comply with 150/1EC 21118: 2020 international standards. Value is the average of all products when shipped.
	<ol> <li>Measurement, measuring conditions, and method of notation all comply with America National Standards Institute standards. Value is the average of all products when shipped.</li> </ol>
	<ol><li>Average light-output value of all shipped products measured at the center of the screen.</li></ol>
	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.
Body Colour	Black/White
NFC	https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional