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

<u>https://ap.connect.panasonic.com/sg/en/products/projectors/pt-frz50</u>

	TM
Projector type	1-Chip DLP TM projector
Display method	DLP TM chip x 1, DLP TM projection system
Display Device -> Panel size	17.0 mm (0.67 in) diagonal (16:10 aspect ratio)
Display Device -> Number of	2,304,000 (1920 x 1200 pixels)
pixels	
Light source	Laser diodes
Light output *1 *2	5,200 lm
Light output (ANSI) *3	5,200 lm
Light output (Center) *4	5,400 lm (Center)
Time until light output declines to	20,000 hours [NORMAL]
50 % -> NORMAL *5	
Resolution	1920 x 1200 pixels
Contrast Ratio (typ.) *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	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 center	r+64 %, -44 % (manual)
of screen)	
Lens shift -> Horizontal(from	+34 %, -27 % (manual)
center of screen)	
Keystone correction range	Vertical: ±40 °, Horizontal: ±20 °
Installation	Ceiling/floor, front/rear, free 360-degree installation
Terminals -> HDMI [™] IN	HDMI TM 19-pin x 2 (Compatible with HDCP 2.3, Deep Color, 4K/60p signal input*4), CEC
	supported
Terminals -> COMPUTER IN (D-	D-sub HD 15-pin (female) x 1 (RGB/YP _B P _R /YC _B C _R)
SUB 15pin)	
Terminals -> COMPUTER OUT (D	- D-sub HD 15-pin (female) x 1 (RGB/YP _B P _R /YC _B C _R)
SUB 15 pin)	
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 L/R)	M3 x 1
Terminals -> AUDIO OUT(M3 Stereo Mini Jack)	M3 x 1 (Variable)
Terminals -> SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
Terminals -> DIGITAL LINK IN / LAN	RJ-45 x 1 for network and DIGITAL LINK connections (HDBaseT TM compliant), PJLink TM (Class 2 compatible, 100Base-TX, Art-Net compatible, HDCP 2.3 compatible, Deep Color compatible,
Terminals -> LAN	$4 \text{K}/60 \text{p signal input} \text{4} \\ \text{RJ-}45 \times 1 \text{ for network connection, PJLink}^{\text{TM}} \text{ (Class 2) compatible, 10Base-T/100Base-TX, Art-Ne} \\$
	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	[NORMAL] 370 W
consumption(Operating mode) -> Normal	>
On-mode power consumption(Operating mode) -> Eco	[ECO] 295 W
On-mode power consumption(Operating mode) -> Quiet	[QUIET] 295 W >
Standby power consumption -> Normal	10 W(Standby Mode)[NORMAL]
Standby power consumption -> ECO	0.5 W (Standby Mode) [ECO]
Cabinet materials	Molded plastic
Filter	No
Operation noise -> Normal *2	32 dB [NORMAL]
Operation noise -> Quiet *2	27 dB [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")
Dimensions -> Width (including	498 mm (19 5/8")
	•
protruding parts)	
	168 mm (6 5/8°)

Weight ^{*8}	Approx. 16.0 kg (35.3 lbs)
Operating environment ->	0-45 °C (32-113 °F)
Operating temperature	
Operating Environment -> Operating humidity (No condensation)	10–80 % (no condensation)
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software
Footnote Description	 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 the average of all products when shipped.
	Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped.
	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.
Body Colour	Black/White
NFC	https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional