

# Panasonic



1 DLP™

## PT-FRZ50

DLP™, Quartet Color Harmonizer, Rich Color Enhancer, Dynamic Contrast 2

4K/60p, DIGITAL LINK, CEC, HDMI® \*2, 2.0, 27 dB\*4, DMD, 20,000, Multi-Laser Drive, Early Warning

### Key Features

1 DLP, 5,200, WUXGA

DLP™, Quartet Colour Harmonizer, Rich Colour Enhancer, and digitally modulated Dynamic Contrast 2

20,000

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2.0 (1.46 - 2.94:1) V/H

HDCP 2.2, HDMI®, DIGITAL LINK, 4K/60p



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## PT-FRZ50

<https://ap.pnd.panasonic.com/th/ko/pt-frz50>

Projector type	1- DLP™
Display method	DLP™ x 1, DLP™ ◆ ◆
Display Device -> Panel size	17.0 mm (0.67 ") (16:10 aspect ratio)
Display Device -> Number of pixels	2,304,000 (1920 x 1200 pixels)
Light source	Laser diodes
Light output *1 *2	5,200 lm
Light output (ANSI) *1 *3	5,200 lm
Light output (Center) *1 *4	5,400 lm (Center)
Time until light output declines to 50 %	20,000 [NORMAL]
-> NORMAL *5	
Resolution *6	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	1.2 ( : 1.36–1.64:1), , F 1.61–1.76, f 19.1–23.0 mm
Lens shift -> Vertical (from center of screen)	+64 %, -44% ( )
Lens shift -> Horizontal (from center of screen)	+34 %, -27% ( )
Keystone correction range	: ±40°, : ±20°
Installation	/ , / , 360
Terminals -> HDMI™ IN	HDMI™ 19 x 2 (HDCP 2.3 , Deep Color, 4K/60p ◆ *4), CEC
Terminals -> COMPUTER IN (D-SUB 15pin)	D- HD 15 (female) x 1 (RGB/YP <sub>Bp</sub> /YC <sub>BcR</sub> )
Terminals -> COMPUTER OUT (D-SUB 15pin)	D- HD 15 (female) x 1 (RGB/YP <sub>Bp</sub> /YC <sub>BcR</sub> )
Terminals -> VIDEO IN	Pin jack x 1 (composite video)
Terminals -> AUDIO IN (M3 Stereo Mini Jack)	Pin jack x 1 ( , )
Terminals -> AUDIO IN (Pin Jack L/R)	M3 x 1
Terminals -> AUDIO OUT (M3 Stereo Mini Jack)	M3 x 1 (7f )
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 (HDBaseT™ ), PLink™ (Class 2) , 100Base-TX, Art-Net , HDCP 2.3 , Deep Color , 4K/60p ◆ *4
Terminals -> LAN	RJ-45 x 1 for network connection, PLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible
Terminals -> USB TYPE A	USB ( ◆ A) x 1 (Output 5 V/2 A)
Power supply	AC 100–240 V, 50/60 Hz
Maximum power consumption *13	465 W (5.0–2.0 A)
On-mode power consumption (Operating mode) -> Normal *13 *14	[NORMAL] 370W
On-mode power consumption (Operating mode) -> Eco *13 *14	[ECO] 295W
On-mode power consumption (Operating mode) -> Quiet *13 *14	[QUIET] 295W
Standby power consumption -> Normal	10W ( ) [NORMAL]
Standby power consumption -> ECO	0.5 W ( ) [ECO]
Cabinet materials	Molded plastic
Filter *15	No
Operation noise -> Normal	32 dB [NORMAL]
Operation noise -> Quiet	27 dB [QUIET]
Body Colour	PT-FRZ60B-BlackPT-FRZ60BEJ-BlackPT-FRZ60BD8-BlackPT-FRZ60W-WhitePT-FRZ60WEJ-White
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 protruding parts)	498 mm (19 5/8")
Dimensions -> Height (including protruding parts)	168 mm (6 5/8")
Dimensions -> Depth (including lens)	492 mm (19 3/8")
Weight *16	16.0 kg (35.3 lbs)
Operating environment -> Operating temperature *17 *18	0–45 °C (32–113 °F)

<b>Operating Environment -&gt; Operating humidity (No condensation)</b>	10-80 % (no condensation)
<b>Applicable software</b>	, Early Warning Software
<b>NFC</b>	No
<b>Terminals -&gt; SDI IN</b>	-
<b>Terminals -&gt; DVI-D IN</b>	-
<b>Terminals -&gt; DisplayPort™ IN</b>	-
<b>Operation noise -&gt; Eco</b>	-
<b>Gross Dimensions (W x H x D in mm)</b>	FRZ60W/FRZ60B/FRZ60BD8: 684 x 291 x 596 mmFRZ60WEJ/FRZ60BEJ: 694 x 310 x 606 mm
<b>Gross Weight (Kg)</b>	FRZ60W/FRZ60B: 20.8 kg (45.9 lbs) FRZ60WEJ/FRZ60BEJ: 22.3 kg (49.2 lbs) FRZ60BD8: 20.5 kg (45.3 lbs)
<b>Active 3D</b>	No
<b>SDM</b>	No
<b>EAN</b>	PT-FRZ60W: 5025232941360 PT-FRZ60WEJ: 5025232941377 PT-FRZ60B: 5025232941391 PT-FRZ60BEJ: 5025232941384 PT-FRZ60BD8: 8887549898631
<b>Footnote Description</b>	<p>1. [PICTURE MODE]가 [DYNAMIC], DAYLIGHT VIEW]가 [OFF], [DYNAMIC CONTRAST]가 [OFF], [LIGHT OUTPUT] [100%], [AUTO POWER SAVE] [OFF]</p> <p>2. , , ISO/IEC 21118: 2020 . ◆</p> <p>3. , , (American National Standards Institute) . ◆</p> <p>4. .</p> <p>5. 50% . IEC62087: 2008◆ , Normal Mode, Dynamic Contrast 2, 30 °C (86 °F), 700 m (2,297 ft), 0.15 mg/m3. 50 %</p> <p>6. 4K (1920 x 1200 pixels) . Supported terminals: /HDMI®.</p> <p>7. .</p> <p>8. .</p>