Panasonic CONNECT



6,000 lm PT-FRQ60 1-Chip DLP™ 4K Projector Delivers Smooth, Detailed Images for an Insightful Visual Experience

PT-FRQ60

Compact 1-Chip DLP™ Projectors Deliver Smooth, Detailed Images for an Insightful Visual Experience

Key Features

1-Chip DLP™ laser projector, 6,000lm brightness

4K (3840 x 2160) output resolution, ideal for museum exhibitions, education, and corporate offices

2.0x zoom lens and wide V/H Lens Shift (V: +71 %, -48 %, H: +34 %, -27 %)

Preactivated upgrade kit for Geometry Manager Pro

Supports 240Hz/1080p high frame rate with minimal input-to-output latency



























PT-FRQ60

https://ap.connect.panasonic.com/sg/en/products/projectors/pt-frq60

Projector type	1-Chip DLP TM projector
Display method	DLP TM chip x 1, DLP TM projection system
Display Device -> Panel size	16.5 mm (0.65 in) diagonal (16:9 aspect ratio)
Display Device -> Number of pixels	1920×1080 pixels(If a signal other than $120 \text{ Hz}/240 \text{ Hz}$ is input, it cannot be displayed at this resolution.)
Light source	Laser diodes
Light output *1 *2 *3	6,000 lm
Light output (ANSI) *4	6,000 lm
Light output (Center) *5	6,200 lm (Center)
Time until light output declines to 50 % -> NORMAL ^{*6}	o 20,000 hours [NORMAL]
Time until light output declines to 50 % -> ECO *6	o 24,000 hours [ECO]
Time until light output declines to 50 % -> QUIET ^{*6}	o 20,000 hours [QUIET]
Resolution	4K (3840 x 2160 pixels) (With Quad Pixel Drive)
Contrast Ratio (typ.) *3	20,000:1 (Full On/Full Off)(When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1]. HDMI signal input)
Screen size (diagonal)	1.02–7.62 m (40–300 in), 16:9 aspect ratio
Center-to-corner zone ratio *3	90%
Lens	2.0x manual zoom (throw ratio: 1.46–2.93:1), 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 [™] IN	HDMI TM 19-pin x 2 (Compatible with HDCP 2.3, Deep Color, 4K/60p signal input*6), CEC supported
Terminals -> COMPUTER IN(D- SUB 15pin)	D-sub HD 15-pin (female) x 1 (RGB/YP _B P _R /YC _B C _R)
SUB 15pin))- D-sub HD 15-pin (female) x 1(RGB/YP _B P _R /YC _B C _R)
Terminals -> AUDIO IN(M3 Stereo Mini Jack)	M3 stereo mini-jack x 2
Terminals -> AUDIO OUT(M3 Stereo Mini Jack)	M3 stereo mini-jack x 2
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 connection (video/network/serial control) (HDBaseT TM compliant), 100Base-TX (Compatible with PJLink TM [Class 2], Art-Net, HDCP 2.3, Deep Color,
Terminals -> LAN	4K/60p signal Input*7, Extron XTP®) RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PJLink TM [Class 2], Art-Net)
Terminals -> USB TYPE A	USB connector (Type A) x 1 for optional AJ-WM50 Series Wireless Module, for USB memory, and for power supply (DC 5 V, maximum 2 A)
Terminals -> SLOT	IPv4, IPv6*8
Protocol versions	IPv4, IPv6*9
Power supply	AC 100–240 V, 50/60 Hz,
	AC 110 V, 60 Hz (Taiwan)
Maximum power consumption [*]	
On-mode power consumption(Operating mode) -	[NORMAL] 445 W ->
Normal ^{*9} On-mode power	[ECO] 355 W
consumption(Operating mode) - Eco ^{*9}	>
On-mode power consumption(Operating mode) - Quiet ^{*9}	[QUIET] 355 W >>
Standby power consumption -> Normal	15 W(Standby Mode)[NORMAL]
Standby power consumption -> ECO	0.5 W(Standby Mode)[ECO]
Cabinat wastaviale	Molded plastic
Cabinet materials	
Cabinet materials Filter	No
Filter Operation noise -> Normal ^{*3}	No 36 dB [NORMAL]
Filter Operation noise -> Normal ^{*3}	36 dB [NORMAL]

Dimensions (W x H x D) -> Width	498 mm (19 5/8")
(not including protruding parts)	
Dimensions -> Height (including	168 mm (6 5/8")
protruding parts)	
Dimensions -> Depth (not	492 mm (19 3/8")
including protruding parts)	
Weight *10	Approx. 16.4 kg (36.2 lbs)
Operating environment ->	0-45 °C (32-113 °F)
Operating temperature *11	
Operating Environment ->	10–80 % (no condensation)
Operating humidity (No	
condensation)	
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Projector
	Network Setup Software
Control function via LAN	Crestron Connected TM V2, Crestron XiO Cloud TM *12, Art-Net DMX, AMX® DD, and PJLink TM
	(Class 2)
Footnote Description	1. If a signal other than 120 Hz/240 Hz is input, it cannot be displayed at this resolution.
	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 SAVEJ is set to [OFF].
	3. 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.
	4. Measurement, measuring conditions, and method of notation all comply with American
	National Standards Institute standards. Value is the average of all products when shipped.
	5. Average light-output value of all shipped products measured at the center of the
	screen.
	6. Around this time, light output will have decreased to approximately 50 % of its original
	level ([PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] set to [2], temperature 30
	°C [86 °F], elevation 700 m [2,297 ft] with 0.15 mg/m3 of particulate matter). Estimated
	time until light output declines to 50 % varies depending on environment.
	7.4K/60p signals are converted to the projector's resolution upon projection.
	4K/60p signals are converted to projector's resolution. Supports YPBPR 4:2:0 format only.
	9. Main firmware version must be 3.00 or higher. Optional AJ-WM50 Series Wireless
	Module is not compatible with IPv6.
	10. With legs fully retracted.
	11. Average value. May differ depending on the actual unit.
	12. When using the projector at an altitude lower than 2,700 m (8,858 ft) above sea level,
	and the operating environment temperature becomes 35 °C (95 °F) or higher, the light
	output may be reduced to protect the projector. When optional AJ-WM50 Series
	Wireless Module is attached, operating temperature range becomes 0–40 °C (32–104
	°F).
	13. Main firmware version must be 3.00 or higher.
Body Colour	Black/White
NEC	https://docs.connect.nanasonic.com/projector/products/smartpicontrol/regional.html#regional

https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional

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