Panasonic CONNECT

PT-RZ690/RZ690L

Projector type	1-Chip DLP™ projector
Display method	DLP™ chip x 1, DLP™ 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	6,000 lm [NORMAL]
Light output (ANSI)	6,000 lm [NORMAL]
Light output (Center) *4	6,200 lm (Center)
Time until light output declines to 50 % -> NORMAL	20,000 hours [NORMAL]
Time until light output declines to 50 % -> ECO	24,000 hours [ECO]
Time until light output declines to 50 % -> QUIET	20,000 hours [QUIET]
Resolution	1920 x 1200 pixels
Contrast Ratio (typ.)	10,000:1 (Full On/Full Off, Dynamic Contrast [3])
Screen size (diagonal)	1.27–15.24 m (50–600 in), 1.27–5.08 m (50–200 in) with ET-DLE055,
	2.54–8.89 m (100–350 in) with ET-DLE035, 2.54–10.16 m (100–400 in) with ET-DLE020, 16:10 aspect ratio
Center-to-corner zone ratio	90 %
Lens	PT-RZ690: Powered zoom (throw ratio 1.71–2.41:1), powered focus F 1.7–1.9, f 25.6–35.7 mm
	PT-RZ690L: Optional powered zoom/focus lenses
Lens shift -> Vertical(from center of screen)	+50 %, -16 % (+40 %, -16 % with ET-DLE060) (powered)
Lens shift -> Horizontal(from center of screen)	+30 %, -10 %
	(+10 %, -20 % with ET-DLE020, +19 %, -10 % with ET-DLE060, +28 %, -10 % with ET-DLE105/ET-DLE085) (powered)
Keystone correction range	Vertical: ±40 ° (±5 ° with ET-DLE020, ±16 ° with ET-DLE060, ±22 ° with ET-DLE105/ET-DLE085/ET-DLE055, +5 ° with ET-DLE035),
	Horizontal: ±15 ° (±10 ° with ET-DLE060) (cannot be operated with ET-DLE035/ET-DLE020)
Keystone correction range with optionalET-UK20 Upgrade Kit *6	Vertical: ±45 ° (±16 ° with ET-DLE060, ±40 ° with ET-DLE150/ET-DLE250/ET-DLE170, ±22 ° with ET-DLE105/ET-DLE085/ET-DLE055),
	Horizontal: ±40 ° (±10 ° with ET-DLE060, ±15 ° with ET-DLE105/ET-DLE085/ET-DLE055)
	When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding a total of 55 °.
Installation	Ceiling/floor, front/rear, free 360-degree installation
Terminals -> SDI IN	BNC x 1 : 3G/HD/SD-SDI input
Terminals -> HDMI™ IN	HDMI™ 19-pin x 1 (Compatible with HDCP 2.2, Deep Color, 4K/60p signal input*5)
Terminals -> DVI-D IN	DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)
Terminals -> COMPUTER IN（RGB IN）	RGB x 1 (BNC x 5): (RGB/YP$_B$P$_R$/YC$_B$C$_R$)
Terminals -> COMPUTER IN（D-SUB 15pin）	D-sub HD 15-pin (female) x 1: (RGB/YP$_B$P$_R$/YC$_B$C$_R$)
Terminals -> SERIAL/MULTI-PROJECTOR SYNC IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
Terminals -> SERIAL/MULTI-PROJECTOR SYNC OUT	D-sub 9-pin (male) x 1 for link control
Terminals -> REMOTE 1 IN	M3 x 1 for wired remote control
Terminals -> REMOTE 1 OUT	M3 x 1 for link control (for wired remote control)
Terminals -> REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)
Terminals -> DIGITAL LINK IN / LAN	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*5
Terminals -> LAN	RJ-45 x 1 for network connection, PJLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible
Power supply	AC 100–240 V, 50/60 Hz
Maximum power consumption	565 W (5.9–2.4 A)
On-mode power consumption(Operating mode) -> Normal	[NORMAL] 490 W
On-mode power consumption(Operating mode) -> Eco	[ECO] 395 W
On-mode power consumption(Operating mode) -> Quiet	PT-RZ990/RZ990L : [QUIET1] 490 W, [QUIET2] 365 W
	PT-RZ890/RZ890L : [QUIET1] 460 W, [QUIET2] 345 W

Standby power consumption -> Normal	[Standby Mode set to NORMAL] 7 W
Standby power consumption -> ECO	[Standby Mode set to ECO] 0.5 W
Cabinet materials	Molded plastic
Filter	No
Operation noise -> Normal	35 dB [NORMAL]
Operation noise -> Quiet	PT-RZ990/RZ990L/RZ890/RZ890L : 36 dB [QUIET1], 35 dB [QUIET2]
Dimensions (W x H x D)	PT-RZ690: 498 x 200*6 x 581 mm (19 19/32″ x 7 7/8″*6 x 22 7/8″) (with supplied lens)
	PT-RZ690L: 498 x 200*6 x 538 mm (19 19/32″ x 7 7/8″*6 x 21 3/16″) (without lens)
Dimensions -> Width (including protruding parts)	PT-RZ690:498 mm (19 19/32″)
	PT-RZ690L:498 mm (19 19/32″)
Dimensions -> Height (including protruding parts)	PT-RZ690:200 mm (7 7/8″)
	PT-RZ690L:200 mm (7 7/8″)
Dimensions -> Depth (not including protruding parts)	PT-RZ690L:538 mm (21 3/16″)
Dimensions -> Depth (including lens)	PT-RZ690:581 mm (22 7/8″)
Weight	PT-RZ690: Approx. 22.1 kg (48.7 lbs) (with supplied lens)
	PT-RZ690L: Approx. 21.3 kg (47.0 lbs) (without lens)
Operating environment -> Operating temperature	0–45 ℃ (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, Geometry Manager Pro (ET-UK20 Upgrade Kit, ET-CUK10 Auto Screen Adjustment Kit), Smart Projector Control for iOS/Android[TM]

Footnote Description

1. 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.

2. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped.

3. Average light-output value of all shipped products measured at the center of the screen in NORMAL Mode.

4. Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, Normal Mode, Dynamic Contrast [3], under conditions with 30 ℃ (86 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m3 of particulate matter. Estimated time until light output declines to 50 % varies depending on environment.

5. Lens shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE035.

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.

9. The light output may be reduced to protect the projector depending on the temperature or altitude of operational environment.