Panasonic

BUSINESS

PRELIMINARY
AS OF FEBRUARY 2020

PT-**RZ790** Series
1-Chip DLP™ Projectors

AVAILABLE FROM SEPTEMBER 2020

Compact 1-Chip DLP™ Laser Projectors Bring High Brightness and Simple Flexibility to Exhibition Spaces

Black Models

White Models

PT-RZ790 Series				
	PT-RZ790	PT-RZ790L	PT-RZ690	PT-RZ690L
Light Output	7,000 lm*1/7,200 lm (Center)*2		6,000 lm*1/6,200 lm (Center)*2	
Resolution	WUXGA			
Lens	Lens supplied	Without lens	Lens supplied	Without lens

• *Bright, Color-Rich Images in Any Environment*

The PT-RZ790 Series delivers the brightness, resolution, and color that designers need to enhance exhibits with bright, bold, and vivid pictures. SOLID SHINE Laser and Quartet Color Harmonizer enhance color-depth and white-balance accuracy for arrestingly realistic pictures even in well-lit spaces.

• *Light, Quiet, Compact Projectors are Easy to Install*

Projectors support our 1-Chip DLP™ lenses and 4K signal input*3 via HDMI® and DIGITAL LINK, adapting to your space with 23.2 kg*4 body and 36 dB operation in Normal Mode. Smart Projector Control app enhances efficiency with On/Off function, lens adjustment, touchscreen OSD navigation, and projection auto-focusing using your smartphone camera*5.

• *Proven SOLID SHINE Laser Reliability*

Hermetically sealed DMD block, shielded laser drive, and new filterless cooling system eliminate the hassle of maintenance for 20,000 hours*6 of continuous projection, while brightness ramp and color uniformity remain linear. For extra insurance, Backup Input*7 switches to a failback if primary video is interrupted.

Specifications (Tentative)

Model	With supplied lens	PT-RZ790		PT-RZ690
	Without lens	PT-RZ790L		PT-RZ690L
Projector type		1-Chip DLP™ projector		
DLP™ chip	Panel size	17.0 mm (0.67 in) diagonal (16:10 aspect ratio)		
	Display method	DLP™ chip x 1, DLP™ projection system		
	Number of pixels	2,304,000 (1920 x 1200 pixels)		
Light source		Laser diodes		
Light output		7,000 lm*1/7,200 lm (Center)*2		6,000 lm*1/6,200 lm (Center)*2
Time until light output declines to 50 %*3		20,000 hours (NORMAL)/24,000 hours (ECO)		
Resolution		1920 x 1200 pixels		
Contrast ratio*1		10,000:1 (Full On/Full Off, Dynamic Contrast Mode: ON)		
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*1		90 %		
Lens		PT-RZ790: Powered zoom (throw ratio 1.71–2.41:1), powered focus F 1.7–1.9, f 25.6–35.7 mm PT-RZ790L: Optional powered zoom/focus lenses		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*4 (From the origin point of the lens mounter)	Vertical	+50 %, -16 % (+40 %, -16 % with ET-DLE060) (powered)		
	Horizontal	+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 optional ET-UK20 Upgrade Kit		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		
	HDMI® IN	HDMI 19-pin x 1 (Compatible with HDCP 2.2, Deep Color, 4K signal input*5)		
	DVI-D IN	DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)		
	RGB 1 IN	RGB x 1 (BNC x 5): RGB/YPвPR/YCвCR/YC/VIDEO		
	RGB 2 IN	D-sub HD 15-pin (female) x 1: RGB/YPвPR/YCвCR		
	SERIAL/MULTI PROJECTOR SYNC IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)		
	SERIAL/MULTI PROJECTOR SYNC OUT	D-sub 9-pin (male) x 1 for link control		
	REMOTE 1 IN	M3 x 1 for wired remote control		
	REMOTE 1 OUT	M3 x 1 for link control (for wired remote control)		
	REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)		
	DIGITAL LINK	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 signal input*5		
	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		
Power consumption		TBD		
Cabinet materials		Molded plastic		
Operation noise*1		36 dB		
Dimensions (W x H x D)		PT-RZ790: 498 x 200*6 x 581 mm (19 19/32″ x 7 7/8″*6 x 22 7/8″) (with supplied lens) PT-RZ790L: 498 x 200*6 x 538 mm (19 19/32″ x 7 7/8″*6 x 21 3/16″) (without lens)		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)
Weight*7		PT-RZ790: Approx. 23.2 kg (51.1 lbs) (with supplied lens) PT-RZ790L: Approx. 22.4 kg (49.4 lbs) (without lens)		PT-RZ690: Approx. 23.2 kg (51.1 lbs) (with supplied lens) PT-RZ690L: Approx. 22.4 kg (49.4 lbs) (without lens)
Operating environment		TBD		
Applicable software		Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro (ET-UK20 Upgrade Kit, ET-CUK10 Auto Screen Adjustment Kit), Smart Projector Control for iOS/Android™		

*1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. *2 Average light-output value of all shipped products measured at center of screen in NORMAL Mode. *3 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, NORMAL Mode, Dynamic Contrast [ON], under conditions with 35 °C (95 °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. *4 Lens shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE035. *5 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI®. *6 Excluding legs. *7 Average value. May differ depending on the actual unit.

Optional Accessories

- **Fixed-Focus Lens**
  ET-DLE030 (0.380:1) / ET-DLE035 (0.380:1) / ET-DLE055 (0.785:1)
- **Zoom Lens**
  ET-DLE020 (0.280–0.299:1) / ET-DLE060 (0.600–0.801:1) / ET-DLE085 (0.782–0.977:1) / ET-DLE105 (0.978–1.32:1) / ET-DLE150 (1.30–1.89:1) / ET-DLE170* (1.71–2.41:1) / ET-DLE250 (2.27–3.62:1) / ET-DLE350 (3.58–5.45:1) / ET-DLE450 (5.36–8.58:1)
  * The ET-DLE170 is equivalent of supplied lens. The availability of the ET-DLE170 varies depending on the country.

- **Ceiling Mount Bracket**
  ET-PKD130H (6-axis, for high ceiling)
  ET-PKD120H (for high ceiling)
  ET-PKD120S (for low ceiling)
  Note: Use ET-PKD120H, ET-PKD120S, and ET-PKD130H in combination with ET-PKD130B. ET-PKD130H is recommended when used with ET-DLE030/ET-DLE035.
- **Projector Mount Bracket**
  ET-PKD130B
- **DIGITAL LINK Switcher**
  ET-YFB200G
  Note: ET-YFB200G is not compatible with 4K signals.

- **Digital Interface Box**
  ET-YFB100G
  Note: ET-YFB100G is not compatible with 4K signals.
- **Geometry Manager Pro Software Upgrade Kit**
  ET-UK20
- **Auto Screen Adjustment Upgrade Kit**
  ET-CUK10/ET-CUK10P
- **Early Warning Software**
  ET-SWA100 Series
  Note: Part number suffix may differ depending on the license type.
  * Multi Monitoring & Control Software Ver. 2.0 or later is required. Please download from the following website: www.panasonic.net/cns/projector/download/application/

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Projector Global Website – panasonic.net/cns/projector
Facebook – www.facebook.com/panasonicprojectoranddisplay
YouTube – www.youtube.com/user/PanasonicProjector

All information included here is valid as of February 2020.

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