



PRELIMINARY AS OF JANUARY 2024

## PT-REQ15/PT-REZ15

**1-Chip DLP™ Projectors** 

AVAILABLE FROM CY2024 Q2

## 1-Chip DLP<sup>™</sup> Projectors Evolve with 15,000 lm<sup>1</sup> on AC 100-240 V, Unlocking Ideas for Novel Experiences



#### • Spectacular Visuals on a Grand Scale

Quad Pixel Drive<sup>2</sup> creates smooth 4K images, displays 2K/240 Hz<sup>3</sup> content without blur, and works with our ET-SWR10 Real-time Tracking Projection-Mapping System<sup>4</sup>. Rich Color Enhancer ensures accurate red for artwork, while Evolved Dynamic Contrast boosts image realism dramatically. Black-level settings offer precision point-based border adjustment for arbitrary screen shapes.

#### • Effortless Workflow and Expanded Capabilities

REQ15/REZ15 expands functionality, interfaces, and options for a smoother workflow. It suits new optional lenses featuring powered center and periphery focus<sup>5</sup> and is Intel® SDM standard SLOT-compatible. The optimized optical engine enables projection at 15,000 lm1 on AC 100-240 V power for efficient installation without needing electrical construction. Other highlights include the User Image Registration Function<sup>6</sup>, NFC function<sup>7</sup> for setup prep without AC power, and preactivated upgrade kits for Geo Pro<sup>8</sup>.

#### • Supremely Reliable Maintenance-Free Operation

Both models feature an optical engine and laser light source module that conform to the IP5X Dust Protected (IEC 60529) standard9 and a refined liquid cooling system. This technology enables up to 20,000 hours10 of continuous maintenance-free projection. Backup Input<sup>11</sup> and Multi Laser Drive Engine further enhance reliability and add insurance against interruptions.

Preliminary Specification					
	PT-REQ15 PT-REZ15				
Light Output	15,000 lm <sup>1</sup>				
Resolution	4K (3840 x 2400) <sup>12</sup>	WUXGA (1920 x 1200)			























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 PT-REQ15 only, 3 PT-REQ15 only, 3 PT-REQ15 only, 5 PT

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#### Specifications (Tentative)

Model		PT-REQ15	PT-REZ15		
Projector type		1-Chip DLP™ projector			
DLP™ chip	Panel size	0.8 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)			
ight source		Laser diode			
Light output 1, 2		15,000 lm			
Time until light	output declines to 50 %3	20,000 hours (NORMAL/QUIET), 24,000 hours (ECO)			
Resolution		4K (3840 x 2400 pixels) (Quad Pixel Drive: ON)	WUXGA (1920 x 1200 pixels)		
Contrast ratio 1		25,000:1 (Full On/Full Off, Dynamic Contrast [3])	· · · · · · · · · · · · · · · · · · ·		
Screen size (dia	gonal)	70–700 inches (with supplied lens)			
Center-to-corn	er zone ratio 1	90 %			
Lens		Optional powered zoom/focus lenses			
Lens shift	Vertical	±60 % (with ET-C1W400/W500/S600/T700), ±50 % (with ET	-C1W300/U100)		
From the origin p of the lens mounte		±29 % (with ET-C1W400/W500/S600/T700), ±23 % (with ET	-C1W300/U100)		
Keystone corre	,	Vertical: ±40 ° (±5 ° with ET-C1U100; ±10 ° with ET-C1W300; Horizontal: ±40 ° (±3 ° with ET-C1U100; ±5 ° with ET-C1W300			
nstallation		Ceiling/floor, front/rear, free 360-degree installation			
Terminals	HDMI™ 1/2 IN	HDMI <sup>™</sup> x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p si	ignal input <sup>4</sup> )		
	DisplayPort™	DisplayPort™ x 1 (Deep Color, compatible with HDCP 2.3, 4K/	•		
	MULTI SYNC IN	BNC x 1			
	MULTI SYNC OUT	BNC x1			
	SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)			
	SERIAL OUT	D-sub 9-pin (male) x 1 for link control (RS-232C compliant)			
	REMOTE 1 IN	M3 stereo mini-jack x 1 for wired remote control			
	REMOTE 1 OUT	M3 stereo mini-jack x 1 for link control (for wired remote cont	rol)		
	REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)	·		
	LAN	RJ-45 x 1 for network connection, PJLink* (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible			
	USB	USB connector (Type A) x 1 for optional AJ-WM50 Series Wireless Module/USB memory			
	DC OUT	USB Type A x 1 (for power supply, DC 5 V, 2 A)			
	Expansion slot	Open slot for function boards, Intel® SDM compatible			
Protocol versio		IPv4, IPv6 <sup>5</sup>			
Power supply		AC 100–240 V, 50/60 Hz			
Power	Maximum power consumption	(TBD)	(TBD)		
	On-mode power NORMAL	(TBD)	(TBD)		
	consumption FCO	(TBD)	(TBD)		
	(Operating mode) QUIET	(TBD)	(TBD)		
Operation noise <sup>1</sup>		(TBD)	(TBD)		
Dimensions (W		498 x 212 x 538 mm (19 <sup>19</sup> / <sub>32</sub> "x 8 <sup>11</sup> / <sub>32</sub> " x 21 <sup>3</sup> / <sub>16</sub> ") (Without lens with feet at shortest position)			
Weight <sup>7</sup>		27.0 kg (59.5 lbs)			
Operating envi	ronment	Operating temperature: 0-45 °C (32-113 °F)*, operating humidity: 10-80 % (no condensation)			
Applicable soft			· · · · · · · · · · · · · · · · · · ·		
	n via LAN	Crestron Connected™ V2, Crestron XiO Cloud™, Art-Net DMX,	AMX® DD, and PILink™ (Class 2)		

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 When [OPERATING MODE] is set to [NORMAL]. 3 Around this time, light output will have decreased by approximately 50 %. IECG2087: 2008 Broadcast Contents, Dynamic Contrast [3], temperature 35 °C (95 °P), elevation 700 m (2,297 ft) with 0.15 mg/m² of airborne particulate matter. The estimated time until light output declines to 50 % varies depending on the environment. 4 For the PT-RE215, 4K signals converted to WUXCA (1920 x 1200 pixels). 5 Optional AI-WMS50 Series Wireless Module is not compatible with IPV-6. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 700 m (2,297 ft). 7 Average value. May differ depending on the actual unit. 8 When the optional AI-WMS50 Series wireless module is attached, the operating temperature range becomes 0-40 °C (32-104 °F). The operating environment temperature should be between 0 °C (32 °F) and 40 °C (104 °F) if the projector is used at an altitude between 1,400 m (4,593 ft) and 4,200 m (13,780 ft) only.

#### Optional Accessories

ET-C1U100 (0.308-0.330:1) / ET-C1W300 (0.550-0.690:1) / ET-C1W400 (0.680-0.950:1) / ET-C1W500 (0.940-1.39:1) / ET-C1S600 (1.36-2.10:1) / ET-C1T700 (2.07-3.38:1)

Ceiling Mount Bracket
ET-PKD120H (for high ceilings)
ET-PKD120F (for low ceilings)
ET-PKD130H (with 6-axis adjustment mechanism)
ET-PKD130H (with 6-axis adjustment mechanism)

• Attachment for Ceiling Mount Bracket

#### • Function Boards

12G-SDI Terminal Board TY-SB01QS Wireless Presentation System

TY-SR01WP **DIGITAL LINK Terminal Board** 

12G-SDI Optical Function Board

TY-SB01FB Note: Function boards are compatible with Intel® SDM standard SLOT.

AJ-WM50 Series

Note: Product availability may vary by country or The suffix at the end of the model number is omitt Operating temperature: 0–40 °C (32–104 °F).

#### DIGITAL LINK Switcher / Digital Interface Box ET-YFB200G / ET-YFB100G

Note: ET-YFB200G/YFB100G is incompatible with 4K signals. Requires TY-SB01DL DIGITAL LINK Terminal Board.

### Media Processors Box-type: ET-FMP50/ET-FMP20

Function board-type: ET-SBFMP10 Note: ET-SBFMP10 is estimated for release in CY2024 Q4. Compatible with Intel® SDM standard SLOT.

#### • Wireless Presentation System PressIT TY-WPS1 (Basic set)

NFC Upgrade Kit ET-NUK10

Note: Product availability may vary by country

#### • Real-Time Tracking Projection-Map ping System ET-SWR10



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## PT-MZ882 Series

**LCD Projectors** 

AVAILABLE FROM CY2024 Q2

Note: Release date may vary by country or region

# Revitalize Sustainability and Image Quality in Classrooms and the Workplace





#### • Eco-Conscious Design Includes Recycled Materials

Work efficiently with the light and compact MZ882 Series. The main projector unit contains about 10 %<sup>1</sup> recycled plastics, reducing its environmental impact, while the refined optical engine boosts brightness over the MZ880 Series without increasing consumption. In fact, the MZ682's 18.1 lm/W efficiency represents an 8.4%<sup>2</sup> improvement over the MZ680. ECO Filter can be washed and reused twice<sup>3</sup>, and light source and filter maintenance is suggested at 20,000 hours<sup>4</sup>.

#### • Bright and Sharp for Comfortable Visibility

Enjoy optimal brightness and color balance for effective communication in well-lit classrooms and workplaces. High 3,000,000:1<sup>5</sup> Dynamic Contrast ratio not only improves document legibility but also adds impact to immersive content in edutainment spaces. With Detail Clarity Processor 4 and Daylight View Basic, the MZ882 Series efficiently delivers sharp, clear, dimensional visuals to engage viewers deeply in your presentation.

#### • A Streamlined Workflow and Efficient UX

Quiet 27 dB<sup>6</sup> operation limits distractions and keeps people focused on the presentation. Support for widescreen 21:9 aspect ratios<sup>7</sup> suits immersive conferencing layouts. A new posture detection function and optional powered lenses streamline installation, while three 4K signal<sup>8</sup> and CEC command-compatible<sup>9</sup> HDMI<sup>™</sup> inputs conveniently expand connectivity. MZ882 Series works with Wireless Presentation System PressIT<sup>10</sup>, allowing users to share content at the push of a button.

PT-MZ882 Series			
	PT-MZ882	PT-MZ782	PT-MZ682
Light Output	8,200 lm <sup>11</sup>	7,500 lm <sup>11</sup>	6,500 lm <sup>11</sup>
Resolution	WUXGA (1920 x 1200 pixels)		

Note: Lens equivalent to ET-ELS20 include













1 By weight of the total weight of plastic parts in the projector main unit. Excludes projection lenses, printed circuit boards, labels, cables, connectors, electronic components, optical components, ESD components, EMI component adhesives, and coatings. 2 Comparison between PT-MZ680 (max. power consumption: 360 W, 16.7 lm/W) and PT-MZ682 (max. power consumption: 360 W, 18.1 lm/W) in NORMAL Mode. 3 Please follow the procedures listed in the operating instructions when washing the filter with water. Replacement is recommended after the filter has been washed and reused twice or if the filter inst out sufficiently clean after washing. 4 Around this time, the light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, NORMAL/QUIET Mode, Picture Mode (DYNAMICI, Dynamic Contrast [2], temperature 35 °C (95 °P), elevation 700 m (2,297 ft) with 0.15 mg/m² of airborne particulate matter. Penasonic recommends a checkup at the point of purchase after about 20,000 hours. Light-source leftletime may be required as checkup at the point of purchase after about 20,000 hours. Light-source leftletime may be required in a shorter period. Estimated maintenance time varies depending on the environment. 5 Full On/Full Off. When IPICTURE MODE! is set to [DYNAMIC] and [DYNAMIC] and [DYNAMIC] can [DYNAMIC] and [DYNAMIC] and [DYNAMIC] and [DYNAMIC] can [DYNAMIC] and [DYNAMIC] and [DYNAMIC] can [DYNAMIC] and [DYNAMIC] can [DYNAMIC] and [DYNAMIC] can [DYNAMIC] can [DYNAMIC] and [DYNAMIC] can [DYNAMIC

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#### Specifications (Tentative)

Model		PT-MZ882	PT-MZ782	PT-MZ682			
Projector type		LCD projectors					
LCD panel	Panel size	19.3 mm (0.76 in) diagonal (16:10 aspect ratio)					
	Display method	Transparent LCD panel (x 3, R/G/B)					
	Drive method	Active matrix					
	Pixels	2,304,000 (1920 x 1200) pixels x 3					
Light source		Laser diodes					
Light output 1, 2		8,200 lm	7,500 lm	6,500 lm			
Time until light out	tput declines to 50 %3	20,000 hours (NORMAL/QUIET), 24,000 hours (ECC	0)				
Resolution		WUXGA (1920 x 1200 pixels)					
Contrast ratio <sup>2</sup>		3,000,000:1 (Full On/Full Off) (When [PICTURE MO	DE] is set to [DYNAMIC] and [DYNAMIC CONTRAST	] is set to [1] or [2]. HDMI™ signal input)			
Screen size (diagon	ial)	1.02-10.16 m (40-400 in), 1.52-10.16 m (60-400 in	) with the ET-ELW22, 2.54-10.16 m (100-400 in) wi	th the ET-ELU20, 16:10 aspect ratio			
Center-to-corner zo	one ratio <sup>2</sup>	85 %					
Lens		Powered zoom (throw ratio 1.61-2.76:1), powered for	ocus F = 1.7-2.3, f = 26.8-45.5 mm (for supplied lens;	optional lenses also available)			
Lens shift	Vertical	±67 % (powered), ±60 % (with ET-ELW22), ±50 % (v	vith ET-ELU20) (TBD)				
(From the origin point of the lens mounter)	Horizontal	±35 % (powered), ±30 % (with ET-ELW22), ±24 % (v	vith ET-ELU20) (TBD)				
ta5 % (powered), ±30 % (with ET-ELW22), ±24 % (with ET-ELU20) (TBD)  Keystone correction range  Vertical: ±25 ° (±22 ° with ET-ELW21/ET-ELW22); (±25 ° with ET-ELW20/ET-ELT23); (±5 ° with ET-ELU20), Horizontal: ±30 ° (±15 ° with ET-ELW21/ET-ELW22); (±30 ° with ET-ELW20/ET-ELT22/ET-ELT23); (0 ° with ET-ELU20)							
Installation		Ceiling/floor, front/rear, free 360-degree installation					
Terminals	HDMI™ IN	HDMI* x 3 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input*), CEC supported					
	COMPUTER IN	D-sub HD 15-pin (female) x 1 (RGB/YPBPR/YCBCR)					
	MONITOR OUT	D-sub HD 15-pin (female) x 1 (RGB/YP8PR/YC8CR)					
	SERIAL/MULTI SYNC IN						
	MULTI SYNC OUT	D-sub 9-pin (male) x 1 for link control					
	REMOTE 1 IN	M3 stereo mini-jack x 1 for wired remote control					
	REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)					
	AUDIO IN	M3 stereo mini-jack x 1					
	AUDIO OUT	M3 stereo mini-jack x 1					
	DIGITAL LINK/LAN	RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBaseT" compliant), 100Base-TX (Compatible with PJLink" [Class 2], Art-Net, HDCP 2.3, Deep Color, 4K/60p4.5 signal input)					
	LAN	RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PJLink** [Class 2], Art-Net)					
	DC OUT	USB Type A x 1 (for power supply, DC 5 V, 2 A)					
Power supply		AC 100-240 V, 50 Hz/60 Hz					
Maximum power co	onsumption <sup>6</sup>	465 W (5.1–2.5 A) (490 VA) (Power consumption is 445 W at AC 200–240 V) (TBD)	428 W (4.7–2.3 A) (450 VA) (Power consumption is 408 W at AC 200–240 V) (TBD)	360 W (4.2–2.0 A) (395 VA) (Power consumption is 345 W at AC 200–240 V) (TBD)			
	onsumption NORMAL	410 W (AC 100–120 V), 390 W (AC 200–240 V) (TBD)	385 W (AC 100–120 V), 365 W (AC 200–240 V) (TBD)	330 W (AC 100–120 V), 315 W (AC 200–240 V) (TBD			
(Operating mode) <sup>6</sup>	ECO	295 W (AC 100–120 V), 280 W (AC 200–240 V) (TBD)	280 W (AC 100–120 V), 270 W (AC 200–240 V) (TBD)	240 W (AC 100-120 V), 230 W (AC 200-240 V) (TBD			
	QUIET	290 W (AC 100–120 V), 275 W (AC 200–240 V) (TBD)	275 W (AC 100–120 V), 265 W (AC 200–240 V) (TBD)	238 W (AC 100–120 V), 228 W (AC 200–240 V) (TBD			
Cabinet materials Molded plastic							
Filter		Included (Estimated maintenance time: approx. 20,000 hours)					
Operation noise <sup>2</sup>		34 dB (NORMAL/ECO), 27 dB (QUIET) (TBD)	33 dB (NORMAL/ECO), 27 dB (QUIET) (TBD)				
Dimensions (W x H	l x D)	561 x 224 x 439 mm (22 <sup>3</sup> / <sub>32</sub> "x 8 <sup>13</sup> / <sub>16</sub> " x 17 <sup>9</sup> / <sub>32</sub> ") (With legs at shortest position, including lens and protruding parts)					
Weight <sup>7</sup>		Approx. 18.6 kg (41.0 lbs) (with supplied lens)  Approx. 17.6 kg (38.8 lbs) (with supplied lens)					
Operating environr	ment	Operating temperature: 0–45 °C (32–113 °F)8, operating humidity: 10–80 % (no condensation)					
Applicable softwar	re e	Logo Transfer Software, Multi Monitoring & Control	Software, Smart Projector Control for iOS/Android™, G	Geometry Manager Pro <sup>9</sup>			

1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. 2 When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. 3 Around this time, light output will have decreased to approximately 50 % of its original level ([PICTURE MODE]: [DYNAMIC] converted to the projector's resolution (1920 x 1200 pixels) upon projection. 5 YPBPR 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK. 6 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. On-mode power consumption measured at 25° (C7° 7°) operating temperature at an altitude of 700 m (2,29° ft). 7 Average 41. 2 Measurement, measuring depending on the actual unit. 8 Note that the projector cannot be used at altitudes 2,200 m (8,858 ft) or higher above sea level. In the following operating environments, light output may be reduced to protect the projector: when the projector is used at altitudes below 700 m (2,29° ft) and ambient temperature is 36°C (97° °F) or higher; when the projector is used at altitudes between 1,400 m (4,593 ft) and 2,100 m (6,890 ft) and 2,700 m (8,858 ft) exclusive and ambient temperature is 30°C (86°F) or higher; esclusive and ambient temperature is 30°C (86°F) or higher, 9 This projector series does not support some functions available in Geo Pro software.

#### Optional Accessories

- Fixed-Focus Lens ET-ELW21 (0.764:1)
- Zoom Lens
- ET-ELLV20 (0.330–0.353:1) / ET-ELW22 (0.786–0.983:1) / ET-ELW20 (1.21–1.66:1) / ET-ELS20¹ (1.61–2.76:1) / ET-ELT22 (2.72–4.48:1) / ET-ELT23 (4.44–7.12:1) 1 Availability may vary by country or region. ET-ELS20 is equivalent to the supplied lens.
- Ceiling Mount Bracket
   ET-PKD130H (6-axis, for high ceiling)
   ET-PKD120H (for high ceiling)
   ET-PKD120S (for low ceiling)
- ET-PKD120S (for low ceiling)

  Note: Use ET-PKD120H, ET-PKD120S, and ET-PKD130H in combination with the opt ET-PKE301B (sold separately). ET-PKD13C recommended with the ET-ELU20 lens.
- Attachment for Ceiling Mount Bracket ET-PKE301B
- Replacement Filter ET-RFM200
- DIGITAL LINK Switcher
- ET-YFB200G
- Wireless Presentation System PressIT TY-WPS1 (Basic set)

Note: Availability may vary by country or region. Visit https://panasonic.net/cns/prodisplays/pressit for more information.





## PT-RQ7 Series

**1-Chip DLP™ Projectors** 

AVAILABLE FROM CY2024 Q3

Note: Lens not included.

# Your Choice Expands with the RQ7 Series, Making 4K Accessible in Immersive Spaces





#### • Making Immersive 4K Visuals Accessible

Positioned between the FRQ60 Series and the REQ12 Series, the RQ7 Series expands our 4K projector offerings to give integrators more choice. Experience smooth 4K¹ visuals courtesy of Quad Pixel Drive² with rich color and minimal blur. Project 240 Hz/1080p content³ and fuse digital and analog elements seamlessly with our Real-Time Tracking Projection-Mapping System⁴. Improved Dynamic Contrast boosts visual impact, while a new Museum Mode further optimizes image quality.

#### • Compact Design for an Effortless Workflow

Weighing just 18 kg (39.7 lbs) and about 29 % smaller than the existing RZ790/RZ690 models, the RQ7 Series reduces the logistical burden and your carbon footprint. Optional Intel® SDM standard SLOT-compatible function boards<sup>5</sup>, including Panasonic's new ET-SBFMP10 media processor board<sup>6</sup>, adapts, scales, and expands projector connectivity. Save time with preactivated Geo Pro<sup>7</sup> upgrade kits and use your existing Panasonic DLE Series lenses.

#### • Stable, Reliable, and Efficient Projection

Project sustainably with lasting picture quality. The energy-efficient optical engine and laser light source module conform to the IP5X Dust Protected (IEC 60529) standard<sup>8</sup>, while a filterless design reduces waste and enables maintenance-free operation for 20,000 hours<sup>9</sup>. Multi-Laser Drive Engine and Backup Input<sup>10</sup> maintain image display in the event of trouble, securing a repeatable guest experience.

PT-RQ7 Series				
	PT-RQ7L	PT-RQ6L	PT-RZ7L	PT-RZ6L
Light Output	7,500 lm <sup>11</sup>	6,500 lm <sup>11</sup>	7,500 lm <sup>11</sup>	6,500 lm <sup>11</sup>
Resolution	4K (3840 x 2160 pixels) <sup>1</sup>		WUXGA (1920	x 1200 pixels)























1 PT-RQ7L/RQ6L only. Maximum physical resolution of 4K (3840 x 2160) with Quad Pixel Drive [ON]. 2 PT-RQ7L/RQ6L only. 3 PT-RQ7L/RQ6L only. Supports input signals up to 1080p. The display frame rate corresponds to the input signal frame rate. 4 PT-RQ7L/RQ6L only. Optional ET-SWR10 is used in conjunction with third-party devices (conditions apply. 5 Optional proprietary and third-party devices. 6 Scheduled for release see use an enclosure and third-party devices. 6 Scheduled for release recovery 4Q-4 or 7 Visit PASS to register your projector and download free Geometry Manager Pro software for Windows" (upgrade kits included). 8 The Dust Protected performance of this unit is not guaranteed to be free from damage or failure under all conditions (environment with conductive dust, etc.). Please use an enclosure in environments with smoke containing oil, sait, and moisture. 9 Around this time, the light output will have decreased by \$\times \text{include} \text{V} \text{ONB REadadast Contents,} \text{[NORMAL] Mode, [PICTURE MODE] set to [DYNAMIC]. Dynamic Contrast [2], temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m² of airborne particulate matter. Panasonic recommends a checkup at the point of purchase after about 20,000 hours. Light-source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period. Estimated maintenance time varies depending on the environment. 10 Terminal assignment is fixed. Signals to primary and backup must be identical. 11 When ET-DLET70 is attached. Measurement, measuring conditions, and method of notation all comply with ISO/DIC 21118: 2020 international standards. Value is the average of all products when shipped. 12 Input signals to the PT-RZTL/RZ6L are converted to the projector's display resolution upon playback. YPBPR 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK.

#### PRELIMINARY AS OF JANUARY 2024

#### Specifications (Tentative)

Model		PT-RQ7L	PT-RQ6L	PT-RZ7L	PT-RZ6L		
Projector type		1-Chip DLP™ projector	'	·	·		
DLP™ chip Panel size		16.5 mm (0.65 in) diagonal (16:9 as	16.5 mm (0.65 in) diagonal (16:9 aspect ratio) 17.0 mm (0.67 in) diagonal (16:10 aspect ratio)				
	Display method	DLP™ chip x 1, DLP™ projection syste	DLP" chip x 1, DLP" projection system				
Number of pixels		2,073,600 (1920 x 1080 pixels)		2,304,000 (1920 x 1200 pixels)			
Light source		Laser diodes					
Light output 1, 2		7,500 lm	6,500 lm	7,500 lm	6,500 lm		
Time until light ou	tput declines to 50	%3 20,000 hours (NORMAL/QUIET), 24	4,000 hours (ECO)	·			
Resolution		4K (3840 x 2160 pixels) (Quad Pixel	4K (3840 x 2160 pixels) (Quad Pixel Drive: ON) WUXGA (1920 x 1200 pixels)				
Contrast ratio <sup>2</sup>		15,000:1 (Full On/Full Off, Dynamic	Contrast [3]) (TBD)				
Screen size (diagor	nal)		LE055, 1.27–15.24 m (50–600 in) with E DLE035, 2.54–10.16 m (100–400 in) with		LE150/ET-DLE170/ET-DLE250/ET-DLE3		
Center-to-corner z	one ratio <sup>2</sup>	90 %					
Lens		Optional (no lens included with this	model)				
Lens shift (From the origin point	Vertical t	+55 %, -18 % (with ET-DLE020/ET-D ET-DLE250/ET-DLE350/ET-DLE450)	LE085/ET-DLE105/ET-DLE150/ET-DLE17 , +44 %, -18 % (with ET-DLE060)	0/ +50 %, -16 % (with ET-DLE020/ET-DLE150), ET-DLE250/ET-DLE350/ET-DLE450),	_E085/ET-DLE105/ET-DLE150/ET-DLE17 +40 %, -16 % (with ET-DLE060)		
of the lens mounter)	Horizontal <sup>4</sup>	+30 %, -10 % (with ET-DLE150/ET-DLE170/ET-DLE250/ET-DLE350/ET-DLE450); +28 %, -10 % (with ET-DLE085/ET-DLE105); +19 %, +10 %, -20 % (with ET-DLE020)					
Keystone correction	on range	TBD					
Installation Ceiling/floor, front/rear, free 360-degree			egree installation				
Terminals	HDMI™ IN	HDMI™ x 2 (Deep Color, compatible	with HDCP 2.3, 4K/60p signal input <sup>5</sup> )				
	SERIAL IN	D-sub 9-pin (female) x 1 for externa	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)				
	SERIAL OUT	D-sub 9-pin (male) x 1 for link control (RS-232C compliant)					
	REMOTE IN	M3 stereo mini-jack x 1 for wired remote control					
	REMOTE OUT	M3 stereo mini-jack x 1 for link control (for wired remote control)					
	DIGITAL LINK/LA		RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBaseT" compliant), 100Base-TX (Compatible with PJLink" [Class 2], Art-Net, HDCP 2.3, Deep Color, 4K/60p <sup>5,6</sup> signal input)				
	LAN	RJ-45 x 1 for network connection, PJLink" (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible					
	USB	USB connector (Type A) x 1 for option	USB connector (Type A) x 1 for optional AJ-WM50 Series Wireless Module/USB memory (dual-use with DC OUT terminal)				
	DC OUT	USB Type A x 1 (for power supply, D	USB Type A x 1 (for power supply, DC 5 V, 2 A)				
	Expansion slot	Open slot for function boards, Intel®	Open slot for function boards, Intel® SDM compatible				
Protocol versions		IPv4, IPv6 <sup>7</sup>					
Power supply		AC 100-240 V, 50/60 Hz					
Maximum power c	consumption8	720 W (7.3–3.3A) (730 VA) (TBD)	650 W (6.6-2.9A) (660 VA) (TBD)	690 W (7.0-3.2A) (700 VA) (TBD)	620 W (6.3-2.7 A) (630 VA) (TBD)		
	onsumption NOR	MAL 570 W (TBD)	500 W (TBD)	540 W (TBD)	470 W (TBD)		
Operating mode)8	ECO	440 W (TBD)	370 W (TBD)	410 W (TBD)	340 W (TBD)		
	QUIE	T 435 W (TBD)	365 W (TBD)	405 W (TBD)	335 W (TBD)		
Cabinet materials		Molded plastic					
Operation noise <sup>2</sup>		36 dB (NORMAL/ECO), 33 dB (QUIET) (TBD)	35 dB (NORMAL/ECO), 32 dB (QUIET) (TBD)	36 dB (NORMAL/ECO), 33 dB (QUIET) (TBD)	35 dB (NORMAL/ECO), 32 dB (QUIET) (TBD)		
Dimensions (W x H x D)		Approx. 498 x 170 x 440 mm (19 19/32 x 6 11/16 x 17 5/16 ) (With legs at shortest position, excluding lens and protruding parts) (TBD)					
Neight <sup>9</sup>		18.0 kg (39.7 lbs) or less (TBD)	18.0 kg (39.7 lbs) or less (TBD)				
Operating environ	ment	Operating temperature: 0-45 °C (32	Operating temperature: 0-45 °C (32-113 °F)10, operating humidity: 10-80 % (no condensation)				
Applicable software  Multi Monitoring & Control Software, Projector Network Setup Software, Real-Time Tracking Projection-Mapping System <sup>11</sup> , Geometri Smart Projector Control for iOS/Android**			stem <sup>11</sup> , Geometry Manager Pro,				
Control function vi	ia I AN	Crestron Connected™ V2 Crestron X	(iO Cloud™, Art-Net DMX, AMX® DD, and	d PJLink™ (Class 2)			

1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. 2 When ET-DLE170 is attached. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. 3 Around this time, light output will have decreased to approximately 50 % of its original level ([PICTURE MODE]: [DYNAMIC], [DYNAM

#### Optional Lens

		Throw	/ Ratio
		RQ7L/RQ6L1	RZ7L/RZ6L <sup>2</sup>
Fixed-Focus	ET-DLE035	0.378:1	0.380:1
Lens	ET-DLE055	0.782:1	0.785:1
Zoom Lens	ET-DLE020	0.279-0.297:1	0.280-0.299:1
	ET-DLE060	0.597-0.797:1	0.600-0.801:1
	ET-DLE085	0.779-0.972:1	0.782-0.977:1
	ET-DLE105	0.973-1.32:1	0.978-1.32:1
	ET-DLE150	1.29-1.88:1	1.30-1.89:1
	ET-DLE170	1.71-2.40:1	1.71-2.41:1
	ET-DLE250	2.26-3.60:1	2.27-3.62:1
	ET-DLE350	3.56-5.42:1	3.58-5.45:1
	ET-DLE450	5.33-8.53:1	5.36-8.58:1

1 When the image aspect ratio is 16:9. 2 When the image aspect ratio is 16:10.

#### Optional Accessories

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 the optional ET-PKD130B (sold separately). ET-PKD130H is recommended when used with ET-DLE035 or ET-DLE020.

#### • Attachment for Ceiling Mount Bracket ET-PKD130B

Media Processors
 Box-type: ET-FMP50/ET-FMP20
 Note: Available from CY2024 Q2.
 Function board-type: ET-SBFMP10
 Note: ET-SBFMP10 is estimated for release in CY2024 Q4.
 Compatible with Intel® SDM standard SLOT.

#### Function Boards

12G-SDI Optical Function Board TY-SB01FB 12G-SDI Terminal Board TY-SB01QS Wireless Presentation System Receiver Board

#### TY-SB01WP Note: Function boards are compatible with Intel® SDM standard SLOT.

#### Wireless Module

AJ-WM50 Series

Note: Product availability may vary by country or region. The model number suffix is omitted. Operating temperature: 0–40 °C (32–104 °F).

#### DIGITAL LINK Switcher FT-YFR200G

ET-YFB200G Note: ET-YFB200G is incompatible with 4K signals.

#### • Wireless Presentation System PressIT

TY-WPS1 (Basic set)
Note: Availability may vary by country or region. Visit https://panasonic.net/cns/prodisplays/pressit for more information.

#### • Real-Time Tracking Projection-Mapping System

Projection-Mapping System
ET-SWR10
Note: For PT-RQ7L/RQ6L only. Availability
may vary by country or region. Visit
https://pansonic.net/cns/projector/products/swr10
for more information.



PRELIMINARY AS OF JANUARY 2024

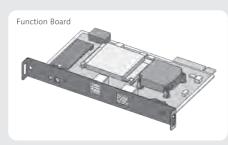
## ET-FMP50 Series

**Media Processors** 

ET-FMP50/FMP20 AVAILABLE CY2024 Q2 ET-SBFMP10 AVAILABLE CY2024 Q4

# Media Processors Redefine Multi-Projection Workflows for Immersive Experiences





ET-SBFMP10

#### • Streamlined Workflow to Simplify Every Step

ET-FMP50 Series is designed exclusively for multi-projection applications and features manual or automatic camera-based¹ warping and blending adjustment and media playback functions. Comprising two compact box-type models and an Intel® SDM standard SLOT-compatible function board, it streamlines multi-projection workflows with user-friendly features while enhancing reliability within a Panasonic projection ecosystem. Following a future update, the FMP50 Series will be compatible with Multi Monitoring & Control Software² to enable remote status checks³. It will also be possible to automate content playback to a set schedule³, ultimately enhancing workflow efficiency.

#### • Precision Adjustment for Uncompromising Quality

Leveraging NIKON® cameras¹ for automated yet highly precise pixel-based blending and black-level adjustment on flat or curved screens, the ET-FMP50 Series ensures outstanding image quality comparable to the projector's built-in functions, all without the need for a license. This pixel-level precision minimally impacts image quality, faithfully reproducing intricate details and showcasing the creator's work. Sophisticated free-shape and line-masking capabilities make it easy to add immersive special effects.

#### • Smooth and Continuous 4K Playback

The Linux-based ET-FMP50 Series offers stutter-free 4K playback with storage options up to 4 TB. Decoding H.264 and H.265 formats and supporting the HAP codec⁴ for efficient decompression, the series plays high-quality 4K video at speeds up to 300 Mbps. NDI®-compatible LAN enables cost-effective 4K signal transmission.

ET-FMP50 Series				
	ET-FMP50	ET-FMP20	ET-SBFMP10	
Туре	Box-	Function board-type		
IP Streaming	Compatible with NDI®			
Max. Video Output Resolution	3840 x 2160/60p x 1 or 1920 x 1080/60p x 4 <sup>5</sup>		3840 x 2160/60p x 1	
Codecs	HAP <sup>4</sup> , H.264, H.265 H.264, H.265		H.265	
Storage	4 TB	512 GB <sup>6</sup>		



1 Compatible cameras (sold separately) comprise NIKON® D5200/D5300/D5500/D5500/D5500/D5500/D5500/D5500/D500/D5500/D500/D5500/D500/D5500/D500/D5500/D500/D5500/D50

#### PRELIMINARY AS OF JANUARY 2024

#### Specifications (Tentative)

Model		ET-FMP50	ET-FMP20	ET-SBFMP10	
Туре		Box-type		Function board-type	
Terminals	LAN	RJ-45 x 1 for network connection, 10Base-T/100Base	e-TX, 1000Base-T, NDI® compatible, Art-Net compat	ible	
	HDMI™ OUT 1/2/3/4	HDMI™ x 4, Audio signal: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz)		-	
	Audio OUT	3.5 mm stereo mini-jack			
	USB	USB 3.0 (Type A) x 2			
Video format  HAP¹/ H.264, 8-bit, 3840 x 2160 pixels, 60p, YPBPR 4:2:0, 300 Mbps / H.265, 8-bit, 4096 x 4096 pixels, 60p, YPBPR 4:2:0, 300 Mbps  H.265, 8-bit, 4096 x 4096 pixels, 60p, YPBPR 4:2:0, 300 Mbps					
Max. video output resolution 3840 x 2160/60p x 1 or 1920 x 1080/60p x 4 <sup>2</sup>			3840 x 2160/60p		
Audio format AAC-LC, 16-bit, stereo					
Storage		4 TB	512 GB <sup>3</sup>		
Operating syste	m	Linux	Linux		
Power supply		(TBD)		=	
Maximum powe	er consumption	(TBD)			
Dimensions (W	ns (W x H x D) Approx. 210 mm x 44 mm x 295 mm (8 1/4" x 1 23/ <sub>32</sub> " x 11 5/ <sub>8</sub> ") (Excluding feet)		Approx. 195 mm x 25 mm x 123.2 mm (7 <sup>3</sup> / <sub>4</sub> " x <sup>63</sup> / <sub>64</sub> " x 4 <sup>7</sup> / <sub>8</sub> ") (TBD)		
Weight Approx. 2.0 kg (4.41 lbs) (Excluding AC adapter and cord) (TBD)		Approx. 0.23 kg (0.51 lbs) (TBD)			
Operating enviro	onment	Operating temperature: 0-40 °C (32-104 °F), operating humidity: 10-80 % (no condensation)			

1 ET-FMP50 only. Available from CY2024 Q4. 2 When four HDMI" outputs are used simultaneously. 3 Approximately 30 GB of the total storage space is allocated for system usage and is unavailable to the user.

#### Projectors Compatible with ET-SBFMP10

• PT-RQ25K Series • PT-RZ14K • PT-REQ15 (available CY2024 Q2) • PT-REZ15 (available CY2024 Q2) • PT-REQ12 Series • PT-RQ25K Series • PT-RQ7 Series (available CY2024 Q3)

#### Optional Accessories

ET-PKFMJ2

Rack-Mount Kit for 2x FT-FMP5





Note: Kit pictured with 2x ET-FMP50/FMP20 installed (processors and rack not included).

#### ET-PKFMJ1 Rack-Mount Kit for 1x ET-FMP50/FMP20





Note: Kit pictured with 1x ET-FMP50/FMP

Note: Product appearance is tentative and subject to change.



Reference example showing installation on trusses.



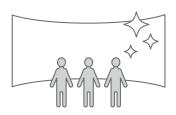
AVAILABLE FROM CY2024 Q1

RMS
Remotely Managed Service

Remotely Managed
Service (RMS) Unites
Stakeholders in the Cloud
to Secure Repeatable
Entertainment Experiences



#### ■ Main Features



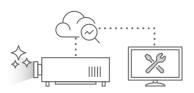
### 1 Image Adjustment Service

Maintain the quality of blended or stacked images with Image Adjustment Service<sup>1</sup>. When paired with a camera<sup>2</sup>, it automatically scans and corrects alignment abnormalities to a set schedule. The service minimizes callouts, providing a hassle-free solution for maintaining an optimal and repeatable visual experience in immersive environments.



### 02 | Monitoring Service

Monitoring Service enables remote system and device checks via PC or mobile browser<sup>1</sup>, uploading data to the cloud and constructing device profiles for preventative maintenance. An alert system warns the operator if trouble occurs or is likely to occur, minimizing downtime, simplifying troubleshooting, and reducing the chance of interruptions.



### 03 | Brightness Maintenance Service

Leveraging device history from the cloud-based Remote Maintenance Platform and brightness values measured by the projector, Brightness Maintenance Service<sup>1</sup> designs a plan that balances the user's brightness requirements with their preferred maintenance timing, aligning servicing with other units in the fleet to reduce downtime and callout frequency.

AVAILABLE FROM CY2024 Q1

#### Secure Your System and Prevent Downtime

Monitoring Service<sup>1</sup> allows approved stakeholders to confirm the status of any connected projector or perform global system checks anywhere, anytime via PC or mobile web browser. The cloud-based solution enables data retrieval from any projector on the network and includes an email alert system so that site managers can respond swiftly to potential issues.

#### Consistently Repeatable Image Quality

Image Adjustment Service<sup>1</sup> maintains blended or stacked images, using a camera<sup>2</sup> to detect alignment issues and performing adjustments automatically to set schedule. It builds an adjustment database in the cloud to streamline the process. The service is particularly useful in immersive environments, where the repeatability of visual experiences is a top priority.

#### Maintenance Plans to Sustain Your Fleet

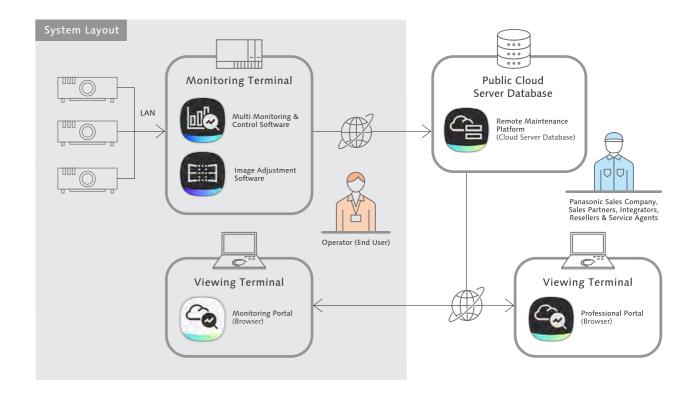
Brightness Maintenance Service¹ tailors proactive plans based on the environment, projector, and usage patterns. Leveraging device history and actual image brightness, Brightness Maintenance Service¹ proposes a maintenance schedule that balances the operator's brightness requirements with their preferred maintenance timing, aligned so that multiple units can be serviced at the same time.

#### Swift Support to Almost Any Location

Users can elect to have their system monitored by Panasonic's Central Monitoring Center¹ and request a phone call¹ from a Panasonic representative in the event of trouble. Other stakeholders, such as system integrators, service agents, or sales reps, can access RMS to expedite support on or off the site. RMS supports device connection via LAN or mobile networks, extending support to temporary or outdoor events.

1 Requires installation of appropriate software for Windows® PC. Service availability may depend on the country or region, and some services or service functions may require a paid license. Contact a Panasonic sales representative in your region for more information. 2 Compatible cameras comprise IDS GV-5890CP-C-HQ (LM3JC10M/LM5JC10M/LM8JC10M/LM1ZJC10M) or Nikon D5200/D5300/D5500/D5600/D7500. Cameras are sold separately.

#### Service Delivery Overview



<sup>1</sup> Requires installation of appropriate software for Windows® PC. Service availability may depend on the country or region, and some services or service functions may require a paid license. Contact a Panasonic sales representative in your region for more information. 2 Compatible cameras are sold separately

# Panasonic CONNECT



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