

# Expand Production Possibilities and Revolutionize Workflow with Next-Generation 1-Chip DLP™ 4K Projectors



Black Models



White Models



[Preliminary Specification] PT-REQ12 Series			
	PT-REQ12	PT-REQ10	PT-REQ80
Light Output	12,000 lm <sup>2</sup>	10,000 lm <sup>2</sup>	8,000 lm <sup>2</sup>
Resolution	4K (3840 x 2400) <sup>3</sup>		

Note: Specifications are tentative. Ships with ET-C15600 lens included.

## • **Dynamic Visuals Take Production to New Heights**

REQ12 Series is among the first 1-Chip DLP™ projectors to feature Quad Pixel Drive, our 2-axis pixel-quadrupling technology, to create deep, smooth, and detailed 4K images. It supports 240 Hz<sup>4</sup> projection and works with our optional real-time tracking projection-mapping system. Evolved Dynamic Contrast includes new scene-recognition circuitry to make the difference between black, white, and contrasting colors stand out dramatically and bring your content to life.

## • **Effortless Workflow, Improved Expandability**

REQ12 Series responds to complex productions with expanded functions, interfaces, and options that streamline workflow. New lens lineup improves native contrast, adds powered peripheral focus<sup>5</sup>, and expands lens-shift range. Intel® SDM-specified slot integrates proprietary or third-party<sup>6</sup> function boards to adapt and scale connectivity. You can import custom test patterns<sup>7</sup>, use NFC function<sup>8</sup> to prep for network connection without AC power, and save time with preactivated upgrade kits for Geo Pro<sup>9</sup> software.

## • **New Cabinet Design for Maintenance-Free Operation**

REQ12 Series is the first 1-Chip DLP™ projector to feature an hermetically sealed optical block with all-liquid cooling, enabling 20,000 hours<sup>10</sup> of maintenance-free projection. To prevent interruptions, Backup Input<sup>11</sup> switches to a secondary signal without screen-blanking if the primary is disrupted, while Multi Laser Drive Engine prevents brightness loss in the unlikely event of diode failure.

1 Only when optional TY-SB01DL DIGITAL LINK Terminal Board is loaded. 2 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. 3 With Quad Pixel Drive [ON]. 4 Supports input signals up to 1080p. Display frame rate corresponds to the input signal frame rate. 5 Function supported on selected lenses only. 6 Third-party Intel® SDM-specified function boards sold separately. Panasonic cannot guarantee operation of third-party devices. 7 Supports PNG (1/8/16/24/32/48/64-bit, non-transparent, alpha blending disabled) and BMP (1/8/24-bit) formats with maximum resolution of 3840 x 2400 dots. 8 Projectors sold in some countries or regions require an ET-NUK10 Upgrade Kit available from PASS to activate NFC function. See NFC Regional Compatibility List for details. 9 Visit PASS to register your projector and download free Geometry Manager Pro software. 10 Around this time, light output will have decreased by approximately 50%. IEC62087: 2008 Broadcast Contents, NORMAL Mode, Dynamic Contrast [3], temperature 35 °C (95 °F), elevation 700 m (2,297 ft) with 0.15 mg/m<sup>3</sup> of airborne particulate matter. Panasonic recommends checkup at 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 environment. 11 Primary and backup terminal assignment is fixed. Input signals to primary and backup inputs must be identical.

## Specifications (Tentative)

Model	PT-REQ12	PT-REQ10	PT-REQ80		
Projector type	1-Chip DLP™ projectors				
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)			
Light source	Laser diode				
Light output <sup>1,2</sup>	12,000 lm	10,000 lm	8,000 lm		
Time until light output declines to 50 % <sup>3</sup>	20,000 hours (NORMAL/QUIET), 24,000 hours (ECO)				
Resolution	4K (3840 x 2400 pixels) (Quad Pixel Drive: ON)				
Contrast ratio <sup>1</sup>	20,000:1 (Full On/Full Off, Dynamic Contrast [3]) (TBD)				
Screen size (diagonal)	70–700 inches (with supplied lens)				
Center-to-corner zone ratio <sup>1</sup>	90 %				
Lens	Powered zoom (throw ratio 1.36–2.19:1 for supplied lens), powered focus (optional lenses also available)				
Lens shift (From the origin point of the lens mounter)	Vertical	±60 % (with supplied lens)			
	Horizontal	±29 % (with supplied lens)			
Keystone correction range	Vertical: ±40 °, Horizontal: ±40 ° (with supplied lens)				
Installation	Ceiling/floor, front/rear, free 360-degree installation				
Terminals	HDMI™ 1/2 IN	HDMI™ x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input)			
	DisplayPort™	DisplayPort™ x 1 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input)			
	MULTI SYNC IN	BNC x 1			
	MULTI SYNC OUT	BNC x 1			
	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 control)			
	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 for function boards, Intel® SDM compatible			
	Protocol versions	IPv4, IPv6 <sup>4</sup>			
Power supply	AC 100–240 V, 50/60 Hz				
Power consumption <sup>5</sup>	Maximum power consumption	1,050 W (10.7–4.5 A) (1,070 VA) (TBD)	980 W (10–4.2 A) (1,000 VA) (TBD)	760 W (7.7–3.2 A) (770 VA) (TBD)	
	On-mode power consumption (Operating mode)	NORMAL	900 W (TBD)	830 W (TBD)	600 W (TBD)
		ECO	700 W (TBD)	640 W (TBD)	475 W (TBD)
		QUIET	890 W (TBD)	630 W (TBD)	470 W (TBD)
Cabinet materials	Molded plastic				
Operation noise <sup>1</sup>	39 dB (NORMAL/ECO), 35 dB (QUIET)	37 dB (NORMAL/ECO), 33 dB (QUIET)	35 dB (NORMAL/ECO), 32 dB (QUIET)		
Dimensions (W x H x D)	498 x 212 x 538 mm (19 5/8" x 8 11/32" x 21 3/16") (with feet at shortest position, not including protruding parts)				
Weight <sup>6</sup>	28.8 kg (63.49 lbs) with supplied lens (TBD)				
Operating environment	Operating temperature: 0–45 °C (32–113 °F) <sup>7</sup> , operating humidity: 10–80 % (no condensation)				
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Projector Network Setup Software, Real-Time Tracking Projection-Mapping System, Early Warning Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™				
Control function via LAN	Crestron Connected™ V2, Crestron XiO Cloud™, Art-Net DMX, AMX® DD, and PJLink™ (Class 2)				

<sup>1</sup> Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. <sup>2</sup> When [PICTURE MODE] is set to [DYNAMIC] and [OPERATING MODE] is set to [NORMAL]. <sup>3</sup> Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, NORMAL Mode, Dynamic Contrast [3], temperature 35 °C (95 °F), elevation 700 m (2,297 ft) with 0.15 mg/m<sup>3</sup> of airborne particulate matter. Estimated time until light output declines to 50 % varies depending on environment. <sup>4</sup> Optional AJ-WM50 Series Wireless Module is not compatible with IPv6. <sup>5</sup> 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). <sup>6</sup> Average value. May differ depending on the actual unit. <sup>7</sup> When optional AJ-WM50 Series wireless module is attached, 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).

## Optional Accessories

- Zoom Lens**  
 ET-C1U100 (0.308–0.330:1)<sup>1</sup> / ET-C1W300 (0.550–0.690)<sup>2</sup> / ET-C1W400 (0.680–0.950:1)<sup>3</sup> / ET-C1W500 (0.940–1.39:1)<sup>3</sup> / ET-C1S600 (1.36–2.10:1)<sup>3</sup> / ET-C1T700 (2.07–3.38:1)<sup>3</sup>  
 Note: Lenses are equipped with Auto Lens Identification Function. ET-C1S600 is equivalent of supplied lens.  
<sup>1</sup> Estimated for release in CY2023 Q4. <sup>2</sup> Estimated for release in CY2023 Q2. <sup>3</sup> Estimated for release in CY2023 Q3.
- Ceiling Mount Bracket**  
 ET-PKD120H (for high ceilings)  
 ET-PKD120S (for low ceilings)  
 ET-PKD130H (with 6-axis adjustment mechanism)  
 Note: ET-PKD120H/PKD120S/PKD130H used in combination with ET-PKD130B (sold separately).
- Function Boards**  
 12G-SDI Terminal Board  
 TY-SB01QS  
 Wireless Presentation System Receiver Board  
 TY-SB01WP  
 DIGITAL LINK Terminal Board  
 TY-SB01DL
- Attachment for Ceiling Mount Bracket**  
 ET-PKD130B
- Wireless Module**  
 AJ-WM50 Series  
 Note: Availability may vary by country or region. The suffix at the end of the model number is omitted. Operating temperature: 0–40 °C (32–104 °F).
- DIGITAL LINK Switcher / Digital Interface Box**  
 ET-YFB200G / ET-YFB100G  
 Note: ET-YFB200G/YFB100G is not compatible with 4K signals.
- Wireless Presentation System PressIT**  
 TY-WPS1 (Basic set)  
 Note: Availability may vary by country or region.
- NFC Upgrade Kit**  
 ET-NUK10  
 Note: Availability may vary by country or region.
- Real-Time Tracking Projection-Mapping System**  
 ET-SWR10  
 Note: Availability may vary by country or region. Visit <https://panasonic.net/cns/projector/products/swr10> for more information.
- Early Warning Software**  
 ET-SWA100 Series  
 Note: Part number suffix may differ depending on the license type.

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