Panasonic



Redefining Immersive Experiences with Rec. 2020 Color, 20,000 lm Brightness, and Detailed 4K Resolution

PT-HTQ20

1-Chip DLP RGB laser projector with 20,000 lumens brightness and 4K (3840 × 2400) resolution using Quad Pixel Drive. Supports interchangeable lenses. Operating noise: Not disclosed. Features Intel® SDM slot, 12G/3G-SDI input, and compatibility with Visual Software Suite. Compact and lightweight at approx. 38.0 kg with dimensions of approx. 590 × 220 × 600 mm. Delivered without lens. Color: black.

Key Features

- Immersive Visual Expression for Diverse Environments
- Flexible Installation with Flagship Features
- High Reliability for Demanding Applications

4K DIGITAL LINK

SOLID SHINE LASER

4K PROFESSIONAL

24/7 Operation

360°

MEViX

Panasonic

PT-HTQ20

https://ap.pnd.panasonic.com/tw/en/pt-htq20

Projector type	1-Chip DLP™ RGB laser projector
Display method	DLP™ chip x 1, DLP™ projection system
Display Device -> Panel size	24.4 mm (0.96 in) diagonal (16:10 aspect ratio)
Display Device -> Number of pixels	2,304,000 pixels (1920 x 1200 dots)
Light source	Laser diodes (Red LD, Green LD, Blue LD)
Light output *1 *2 *3	20,000 lm
Light output (ANSI) *1 *2 *4	20,000 lm
Light output (Center) *1 *2 *5	21,000 lm (Center)
Time until light output declines to 50 % -> NORMAL *6	20,000 hours [NORMAL]
Time until light output declines to 50 % -> ECO *6	24,000 hours [ECO]
Resolution	4K (3840 x 2400 dots) (Quad Pixel Drive: ON)
Contrast Ratio (typ.) *3	25,000:1 (All white/All black, Dynamic Contrast [3])
Screen size (diagonal)	1.78–25.40 m (70–1000 in) (Depending on attached lens)
Center-to-corner zone ratio *3	90 %
Lens	Optional (No lens included with this model)
Lens shift -> Vertical(from center of screen)	±55 % (+68 % to +78 % with ET-D75LE95, ±48 % with ET-D3LEW201, ±44 % with ET-D3LEW60/D3LEW300/D3LEW600,±27 % with ET-D3LEF70) (Powered)
Lens shift -> Horizontal(from center of screen)	±20 % (±15 % with ET-D3LEW60/D3LEW300/D3LEW600/D3LEW201, 0 % to +25 % with ET-D3LEU101,±12 % with ET-D75LE95/D3LEF70) (Powered)
Installation	Ceiling/floor, front/rear, free 360-degree installation
Terminals -> SDI IN	12G/3G/HD-SDI signal compatible
Terminals -> HDMI™ IN	HDMI™ x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input)
Terminals -> MULTI PROJECTOR SYNC IN	BNC x 1, TTL high impedance
Terminals -> MULTI PROJECTOR SYNC OUT	BNC x 1, TTL output: Maximum 10 mA
Terminals -> SERIAL IN	D-sub 9-pin (Female) x 1 for external control (RS-232C compliant)
Terminals -> REMOTE 1 IN	M3 stereo mini-jack x 1 for wired remote control/projector connection control
Terminals -> REMOTE 1 OUT	M3 stereo mini-jack x 1 for wired remote control/projector connection control
Terminals -> LAN	RJ-45 x 1 for network connection, PJLink™(Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible
Terminals -> SLOT	Slot x 1, open slot, for function boards, Intel® SDM standard-compatible
Protocol versions	IPv4, IPv6*7
Power supply	Single-phase AC 100–120 V*8 / Single-phase AC 200–240 V, 50/60 Hz
Maximum power consumption *9	AC 100–120 V: 1,430 W (1,440 VA), AC 200–240 V: 1,450 W (1,465 VA)
On-mode power consumption(Operating mode) -> Normal *9 *10	1,200 W(AC 100–120V), 1,165 W(AC 200–240V)[NORMAL]
On-mode power consumption(Operating mode) -> Eco *9 *10	990 W(AC 100–120V), 950 W(AC 200–240V)[ECO]
Cabinet materials	Molded plastic, processed metal parts
Operation noise -> Normal *3	42 dB [NORMAL]
Operation noise -> Eco *3	42 dB [ECO]
Dimensions (W x H x D)	Approx. 590 x 220 x 600 mm (23 7/32″ x 8 21/32″ x 23 5/8″) (Excluding feet, protruding parts, and lens)
Weight *11	Approx. 38.7 kg (85.3 lbs)
Operating environment -> Operating temperature *12	0–45 °C (32–113 °F)
Operating Environment -> Operating humidity (No condensation)	10–80 % (no condensation)
Applicable software	Multi Monitoring & Control Software, Visual Software Suite, Projector Network Setup Software, Smart Projector Control for iOS/Android™
Control function via LAN	Crestron Connected™ V2, Crestron XiO Cloud™, Art-Net, AMX® DD, Extron® XTP*13, and PJLink™ (Class 2), Web API
Terminals -> USB TYPE A	USB connector Type A x 1 for connecting optional AJ-WM50 Series Wireless Module/USB memory or for power supply (DC 5 V, 2 A)
Filter	Yes
Body Colour	Black
NFC	No
Active 3D	No
SDM	Yes
EAN	HTQ20E: 8887549896613 HTQ20EJ: 5025232987528
Gross Dimensions (W x H x D in mm)	PT-HTQ20E: 836 x 836 x 442 mm PT-HTQ20EJ: 849 x 849 x 452 mm
Gross Weight (Kg)	PT-HTQ20E: 46.5 kg(102.6 lbs) PT-HTQ20EJ: 48.3 kg(106.4 lbs)
Keystone correction range	Vertical: ±40 ° (±45 ° with ET-D3LET30/D3LET40/D3LET80, ±28 ° with ET-D3LEW60/D3LEW600,±22 ° with ET-D3LEW50, ±15 ° with ET-D3LEW201/D3LEW300, ±8 ° with ET-D3LEU101, +5 ° with ET-D75LE95);Horizontal: ±40 ° (±15 ° with ET-D3LEW50/D3LEW60/D3LEW600, ±5 ° with ET-D3LEU101/D3LEW201/D3LEW300,0 ° with ET-D75LE95)When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously,correction cannot be made exceeding total of 55 °.

Footnote Description	1. This is the value when the Zoom Lens (Model No.: ET-D3LES250) is used. The value varies depending on the lens. 2. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. 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 screen in NORMAL Mode. 6. Around this time, light output will have decreased to approximately 50 % of its original level ([PICTURE MODE] set to [DYNAMIC], [DYNAMIC CONTRAST] set to [3]). Estimated time until light output declines to 50 % varies depending on environment. 7. Optional AJ-WM50 Series Wireless Module is not compatible with IPv6. 8. The maximum light-output value is limited to 20,000 lm or less when operating on AC 100–120 V power. The maximum light-output value may be further reduced depending on operating conditions. 9. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. 10. On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 700 m (2,297 ft). 11. Average value. May differ depending on the actual unit. 12. 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) above sea level. Note that altitude of 4,200 m (13,780 ft) above sea level is the maximum height that the performance of this projector is guaranteed. When using the projector at an altitude lower than 1,400 m (4,593 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 using the projector at an altitude between 1,400 m (4,593 ft) and 2,700 m (8,858 ft), and the operating environment temperature becomes 30 °C (86 °F) or higher, the light output may be reduced to protect the projector. When using the projector at an altitude between 2,700 m (8,858 ft) and 4,200 m (13,780 ft), and the operating environment temperature becomes 25 °C (77 °F) or higher, the light output may be reduced to protect the projector. Do not use the projector in a location where the ambient temperature exceeds 40 °C (104 °F) regardless of the altitudewhen the optional AJ-WM50 Series Wireless Module is attached to the projector. 13. Only when the optional TY-SB01DL DIGITAL LINK Terminal Board is loaded.