

# Panasonic



가 가 42,000lm\*1 4K

## PT-RQ45K

Quad Pixel Drive 42,000lm 3-Chip DLPTM  
4K(3840 × 2400)  
dB Intel® SDM , 12G-SDI 5 LCD  
240Hz(1080p) , 24 , 360  
× 353 × 780 mm, ( ) : Black  
70 kg, 598

### Key Features

---

---

---



|                                                                          |                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Projector type</b>                                                    | 3- DLP™                                                                                                                                                                                                                                      |
| <b>Display method</b>                                                    | DLP™ chip x 3, DLP™ projection system                                                                                                                                                                                                        |
| <b>Display Device -&gt; Panel size</b>                                   | 24.4 mm (0.96 in) diagonal (16:10 aspect ratio)                                                                                                                                                                                              |
| <b>Display Device -&gt; Number of pixels</b>                             | 2,304,000 (1920 x 1200 pixels) x 3                                                                                                                                                                                                           |
| <b>Light source</b>                                                      | Laser diodes (Blue LD, Red LD)                                                                                                                                                                                                               |
| <b>Light output *1 *2 *3</b>                                             | 45,000 lm*3                                                                                                                                                                                                                                  |
| <b>Light output (ANSI) *1 *2 *4</b>                                      | 42,000 lm*4                                                                                                                                                                                                                                  |
| <b>Light output (Center) *1 *2 *5</b>                                    | 43,600 lm*5                                                                                                                                                                                                                                  |
| <b>Time until light output declines to 50 %</b>                          | 20,000 [NORMAL]                                                                                                                                                                                                                              |
| <b>-&gt; NORMAL *6</b>                                                   |                                                                                                                                                                                                                                              |
| <b>Time until light output declines to 50 %</b>                          | 24,000 [ECO]                                                                                                                                                                                                                                 |
| <b>-&gt; ECO *6</b>                                                      |                                                                                                                                                                                                                                              |
| <b>Time until light output declines to 50 %</b>                          | 26,000 hours [QUIET]                                                                                                                                                                                                                         |
| <b>-&gt; QUIET *5</b>                                                    |                                                                                                                                                                                                                                              |
| <b>Resolution</b>                                                        | PT-RQ42K: 4K (3840 x 2400 pixels) (Quad Pixel Drive: ON)<br>PT-RZ41K: WUXGA (1920 x 1200 pixels)                                                                                                                                             |
| <b>Contrast Ratio (typ.) *3</b>                                          | 25,000 : 1 (Full On/Full Off, Dynamic Contrast [3])                                                                                                                                                                                          |
| <b>Screen size (diagonal)</b>                                            | 1.78–25.40 m (70–1000 in) (Depending on attached lens)                                                                                                                                                                                       |
| <b>Center-to-corner zone ratio *3</b>                                    | 90%                                                                                                                                                                                                                                          |
| <b>Lens</b>                                                              | ◆ ( 가 )                                                                                                                                                                                                                                      |
| <b>Lens shift -&gt; Vertical (from center of screen)</b>                 | ±55 % (+68 %, +78 % with ET-D75LE95, ±48 % with ET-D3LEW201, ±44 % with ET-D3LEW60/D3LEW300/D3LEW600) (Powered)                                                                                                                              |
| <b>Lens shift -&gt; Horizontal (from center of screen)</b>               | ±20 % (±15 % with ET-D3LEW300/D3LEW600/D3LEW201, ±12 % with ET-D75LE95, 0 %, +25 % with ET-D3LEU101) (Powered)                                                                                                                               |
| <b>Keystone correction range</b>                                         | : ±45° (ET-D3LEW10/D3LES20/D3LES250 ±40°, ET-D3LEW600 ±28°, ET-D3LEW50 ±22°, ET-D3LEW201/D3LEW300 ±15°, ET-D3LEU101 ±8°, ET-D75LE95 +5°);<br>: ±40° (ET-D3LEW50/D3LEW600 ±15°, ET-D3LEU101/D3LEW201/D3LEW300 ±5°, ET-D75LE95 0°) [ ] [ ] 55° |
| <b>Installation</b>                                                      | / , / , 360                                                                                                                                                                                                                                  |
| <b>Terminals -&gt; SDI IN</b>                                            | BNC x 1 : 12G / SDI input                                                                                                                                                                                                                    |
| <b>Terminals -&gt; HDMI™ IN</b>                                          | HDMI™ x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input*6)                                                                                                                                                                      |
| <b>Terminals -&gt; MULTI PROJECTOR SYNC IN</b>                           | BNC x 1                                                                                                                                                                                                                                      |
| <b>Terminals -&gt; MULTI PROJECTOR SYNC OUT</b>                          | BNC x 1                                                                                                                                                                                                                                      |
| <b>Terminals -&gt; SERIAL IN</b>                                         | D-sub 9-pin (female) x 1 for external control (RS-232C compliant)                                                                                                                                                                            |
| <b>Terminals -&gt; REMOTE 1 IN</b>                                       | M3 stereo mini-jack x 1 for wired remote control                                                                                                                                                                                             |
| <b>Terminals -&gt; REMOTE 1 OUT</b>                                      | M3 stereo mini-jack x 1 for link control (for wired remote control)                                                                                                                                                                          |
| <b>Terminals -&gt; LAN</b>                                               | RJ-45 x 1 for network connection, PjLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible                                                                                                                                      |
| <b>Terminals -&gt; DC OUT</b>                                            | USB ◆ A x 1 ( , DC 5 V, 2 A)                                                                                                                                                                                                                 |
| <b>Terminals -&gt; USB TYPE A</b>                                        | ◆ AJ-WM50 /USB USB ◆ A x 1                                                                                                                                                                                                                   |
| <b>Terminals -&gt; SLOT</b>                                              | ◆ , ◆Ⓜ SDM                                                                                                                                                                                                                                   |
| <b>Protocol versions</b>                                                 | IPv4, IPv6*8                                                                                                                                                                                                                                 |
| <b>Power supply</b>                                                      | Single Phase AC 100–240 V, 50/60 Hz                                                                                                                                                                                                          |
| <b>Maximum power consumption *9</b>                                      | 3,170W                                                                                                                                                                                                                                       |
| <b>On-mode power consumption (Operating mode) -&gt; Normal *9 *9 *10</b> | 2,860W                                                                                                                                                                                                                                       |
| <b>On-mode power consumption (Operating mode) -&gt; Eco *9 *9 *10</b>    | 2,250W                                                                                                                                                                                                                                       |
| <b>On-mode power consumption (Operating mode) -&gt; Quiet *13 *14</b>    | 2,010W                                                                                                                                                                                                                                       |
| <b>Cabinet materials</b>                                                 | Molded plastic                                                                                                                                                                                                                               |
| <b>Operation noise -&gt; Normal *3</b>                                   | 49 dB [NORMAL]                                                                                                                                                                                                                               |
| <b>Operation noise -&gt; Eco *3</b>                                      | 49 dB [ECO]                                                                                                                                                                                                                                  |
| <b>Operation noise -&gt; Quiet</b>                                       | 46 dB [QUIET]                                                                                                                                                                                                                                |
| <b>Dimensions (W x H x D)</b>                                            | 598 x 352 x 780 mm (23 17/32 x 13 27/32 x 30 23/32) ( )                                                                                                                                                                                      |
| <b>Weight *11</b>                                                        | 66 kg (145.5 lbs)                                                                                                                                                                                                                            |
| <b>Operating environment -&gt; Operating temperature *12</b>             | 0–45 °C (32–113 °F)                                                                                                                                                                                                                          |
| <b>Operating Environment -&gt; Operating humidity (No condensation)</b>  | 10–80 % (no condensation)                                                                                                                                                                                                                    |
| <b>Applicable software</b>                                               | Visual Software Suite, , , iOS/Android™                                                                                                                                                                                                      |
| <b>Control function via LAN</b>                                          | Crestron Connected™ V2, Crestron XiO Cloud™, Art-Net DMX, AMX® DD, and PjLink™ (Class 2)                                                                                                                                                     |
| <b>Terminals -&gt; MULTI SYNC IN / 3D SYNC 1 IN/OUT (dual purpose)</b>   | -                                                                                                                                                                                                                                            |
| <b>Terminals -&gt; MULTI SYNC OUT / 3D SYNC 2 OUT (dual purpose)</b>     | -                                                                                                                                                                                                                                            |
| <b>Terminals -&gt; DVI-D IN</b>                                          | —                                                                                                                                                                                                                                            |
| <b>Terminals -&gt; DisplayPort™ IN</b>                                   | —                                                                                                                                                                                                                                            |
| <b>Terminals -&gt; DIGITAL LINK IN / LAN</b>                             | —                                                                                                                                                                                                                                            |
| <b>Gross Dimensions (W x H x D in mm)</b>                                | 790 x 702 x 957 mm                                                                                                                                                                                                                           |
| <b>Gross Weight (Kg)</b>                                                 | 70 kg (155 lbs) (TBD)                                                                                                                                                                                                                        |

|                  |                                                                         |
|------------------|-------------------------------------------------------------------------|
| <b>NFC</b>       | Yes                                                                     |
| <b>Active 3D</b> | No                                                                      |
| <b>SDM</b>       | Yes                                                                     |
| <b>EAN</b>       | RQ45KE: 5025232988921<br>RQ45KD: 8887549897283<br>RQ45KE: 8887549897276 |

|                             |                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Footnote Description</b> | 1. ET-D3LES250 (CY2026 / AC 200-240V )                                                                      |
|                             | 2. [PICTURE MODE]가 [DYNAMIC] [LIGHT POWER]가 [NORMAL]                                                        |
|                             | 3. , , ISO/IEC 21118: 2020                                                                                  |
|                             | 4. , , (American National Standards Institute)                                                              |
|                             | 5. NORMAL                                                                                                   |
|                             | 6. 50% . ([PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] [2]). 50 %                                          |
|                             | 7. 4K PT-RZ44K WUXGA(1920 x 1200 )                                                                          |
|                             | 8. AJ-WM50 IPv6                                                                                             |
|                             | 9. , , ISO/IEC 21118: 2020                                                                                  |
|                             | 10. 25 °C(77 °F) 700 m(2,297 ft)                                                                            |
|                             | 11.                                                                                                         |
|                             | 12. 4,200m . ( 4,200m )                                                                                     |
|                             | 0°C~45°C (32~113 °F) . 1,400m(4,593 ft) 4,200m(13,780 ft) : 0°C (32°F) 40°C (104°F) . AJ-WM50 40°C (104 °F) |