

Specifications

Main unit

|  |   |  |  |   |  |  |  |   |  |  |  |  |
|--|---|--|--|---|--|--|--|---|--|--|--|--|
| Power supply                                   |   | AC 100V - 240V, 50Hz/60Hz  |  |   |  |  |  |   |  |  |  |  |
| Power consumption                              |   | 640W (6.5A) (650VA)<br>NORMAL: 570W, QUIET:420W, SHUTTER: 85W<br>* Operating Temperature: 25°C (77°F), Altitude: 700 m (2,297ft),<br>IEC62087: 2008 Broadcast contents, Picture mode: Standard, Dynamic Contrast 2<br>During standby: 8W When [STANDBY MODE] is set to [NORMAL]<br>0.5W When [STANDBY MODE] is set to [ECO]  |  |   |  |  |  |   |  |  |  |  |
| BTU value                                      |   | Max 1,945BTU   |  |   |  |  |  |   |  |  |  |  |
| LCDpanel                                       | Panel size                                    | 25.4 mm (1.0 in) diagonal (16:10 aspect ratio)   |  |   |  |  |  |   |  |  |  |  |
|  | Projection system                             | Transparent LCD panel (× 3, R/G/B)   |  |   |  |  |  |   |  |  |  |  |
|  | Pixels  | 2,304,000 (1920 × 1200) × 3  |  |   |  |  |  |   |  |  |  |  |
| Light source                                   |   | Laser Diode  |  |   |  |  |  |   |  |  |  |  |
| Light output*1*2                               |   | 10,000 lm*1 (When [OPERATING MODE] is set to [NORMAL])   |  |   |  |  |  |   |  |  |  |  |
| Time until light output declines to 50%*3      |   | 20,000 hours (NORMAL, QUIET)   |  |   |  |  |  |   |  |  |  |  |
| Resolution                                     |   | 1920 × 1200 pixels   |  |   |  |  |  |   |  |  |  |  |
| Contrast ratio*1                               |   | 3,000,000:1(all white/all black) (Dynamic Contrast 3)  |  |   |  |  |  |   |  |  |  |  |
| Screen size                                    |   | 2.03–12.7 m (80–500 inches) diagonally, 16:10 aspect ratio   |  |   |  |  |  |   |  |  |  |  |
| Center to corner zone ratio*1                  |   | 85%  |  |   |  |  |  |   |  |  |  |  |
| Lens   |   | Optional powered zoom/focus lenses and fixed-focus lens  |  |   |  |  |  |   |  |  |  |  |
| Compatible Signal                              | RGB signal input                              | <ul style="list-style-type: none"> <li>Resolution: 640 x 480 to 1 920 x 1 200</li> <li>Dot clock frequency: 162 MHz or less</li> <li>PIAS (Panasonic Intelligent Auto Scanning) system</li> </ul>  |  |   |  |  |  |   |  |  |  |  |
|  | YCbCr/YPbPr signal input                      | <ul style="list-style-type: none"> <li>Resolution: 480p/576p to 1 920 x 1 080</li> <li>Dot clock frequency: 148.5 MHz or less</li> <li>The HD/SYNC and VD terminals do not support 3 value SYNC.</li> </ul>  |  |   |  |  |  |   |  |  |  |  |
|  | DVI-D signal input                            | <ul style="list-style-type: none"> <li>Moving image signal resolution: 480p/576p to 1 920 x 1 080</li> <li>Still image signal resolution: 640 x 480 to 1 920 x 1 200 (non-interlace)</li> <li>Dot clock frequency: 25 MHz to 162 MHz</li> </ul>  |  |   |  |  |  |   |  |  |  |  |
|  | HDMI signal input                             | <ul style="list-style-type: none"> <li>Moving image signal resolution: 480p/576p to 4 096 x 2 160</li> <li>Still image signal resolution: 640 x 480 to 1 920 x 1 200 (non-interlace)</li> <li>Dot clock frequency: 25 MHz to 594 MHz</li> </ul>  |  |   |  |  |  |   |  |  |  |  |
|  | DIGITAL LINK signal input                     | <ul style="list-style-type: none"> <li>Moving image signal resolution: 480p/576p to 4 096 x 2 160</li> <li>Still image signal resolution: 640 x 480 to 1 920 x 1 200 (non-interlace)</li> <li>Dot clock frequency: 25 MHz to 297 MHz</li> </ul>  |  |   |  |  |  |   |  |  |  |  |
|  | SDI signal input                              | HD-SDI signal<br>3G-SDI signal   |  |   |  |  |  |   |  |  |  |  |
| Geometry correction range                      |   | <table border="1"> <tr> <td style="text-align: center;">[VERTICAL KEYSTONE] (viewed from the side)</td> <td style="text-align: center;">[HORIZONTAL KEYSTONE] (viewed from above)</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">Vertical arc correction (viewed from the side)</td> <td style="text-align: center;">Horizontal arc correction (viewed from above)</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table> | [VERTICAL KEYSTONE] (viewed from the side) | [HORIZONTAL KEYSTONE] (viewed from above) |  |  | Vertical arc correction (viewed from the side) | Horizontal arc correction (viewed from above) |  |  |  |  |
| [VERTICAL KEYSTONE] (viewed from the side)     | [HORIZONTAL KEYSTONE] (viewed from above)     |  |  |   |  |  |  |   |  |  |  |  |
|  |   |  |  |   |  |  |  |   |  |  |  |  |
| Vertical arc correction (viewed from the side) | Horizontal arc correction (viewed from above) |  |  |   |  |  |  |   |  |  |  |  |
|  |   |  |  |   |  |  |  |   |  |  |  |  |
|  |   |  |  |   |  |  |  |   |  |  |  |  |

| Geometry correction range |   | <table border="1"> <thead> <tr> <th rowspan="2">Projection lens Model No.</th> <th colspan="2">Only [KEYSTONE] used</th> <th colspan="4">[KEYSTONE] and [CURVED CORRECTION] used together</th> <th colspan="2">Only [CURVED CORRECTION] used</th> </tr> <tr> <th>Vertical keystone correction angle <math>\alpha</math> (°)</th> <th>Horizontal keystone correction angle <math>\beta</math> (°)</th> <th>Vertical keystone correction angle <math>\alpha</math> (°)</th> <th>Horizontal keystone correction angle <math>\beta</math> (°)</th> <th>Min. value of R2/L2</th> <th>Min. value of R3/L3</th> <th>Min. value of R2/L2</th> <th>Min. value of R3/L3</th> </tr> </thead> <tbody> <tr> <td>ET-EMS600</td> <td>±40</td> <td>±15</td> <td>±20</td> <td>±15</td> <td>1.1</td> <td>2.6</td> <td>0.6</td> <td>1.5</td> </tr> <tr> <td>ET-EMW200</td> <td>±14</td> <td>±8</td> <td>–</td> <td>–</td> <td>–</td> <td>–</td> <td>–</td> <td>–</td> </tr> <tr> <td>ET-EMW300</td> <td>±14</td> <td>±8</td> <td>–</td> <td>–</td> <td>–</td> <td>–</td> <td>–</td> <td>–</td> </tr> <tr> <td>ET-EMW400</td> <td>±22</td> <td>±15</td> <td>±8</td> <td>±8</td> <td>2</td> <td>4.8</td> <td>1.2</td> <td>2.9</td> </tr> <tr> <td>ET-EMW500</td> <td>±22</td> <td>±15</td> <td>±8</td> <td>±8</td> <td>1.6</td> <td>3.9</td> <td>0.9</td> <td>2.3</td> </tr> <tr> <td>ET-EMT700</td> <td>±40</td> <td>±15</td> <td>±20</td> <td>±15</td> <td>0.8</td> <td>1.5</td> <td>0.4</td> <td>0.8</td> </tr> <tr> <td>ET-EMT800</td> <td>±40</td> <td>±15</td> <td>±20</td> <td>±15</td> <td>0.4</td> <td>0.7</td> <td>0.2</td> <td>0.4</td> </tr> </tbody> </table> <p>When using the optional Upgrade Kit (Model No.: ET-UK20)</p> <table border="1"> <thead> <tr> <th rowspan="2">Projection lens Model No.</th> <th colspan="2">Only [KEYSTONE] used*</th> <th colspan="4">[KEYSTONE] and [CURVED CORRECTION] used together</th> <th colspan="2">Only [CURVED CORRECTION] used</th> </tr> <tr> <th>Vertical keystone correction angle <math>\alpha</math> (°)</th> <th>Horizontal keystone correction angle <math>\beta</math> (°)</th> <th>Vertical keystone correction angle <math>\alpha</math> (°)</th> <th>Horizontal keystone correction angle <math>\beta</math> (°)</th> <th>Min. value of R2/L2</th> <th>Min. value of R3/L3</th> <th>Min. value of R2/L2</th> <th>Min. value of R3/L3</th> </tr> </thead> <tbody> <tr> <td>ET-EMS600</td> <td>±40</td> <td>±40</td> <td>±20</td> <td>±15</td> <td>0.9</td> <td>2</td> <td>0.5</td> <td>1.1</td> </tr> <tr> <td>ET-EMW200</td> <td>±14</td> <td>±8</td> <td>–</td> <td>–</td> <td>–</td> <td>–</td> <td>–</td> <td>–</td> </tr> <tr> <td>ET-EMW300</td> <td>±14</td> <td>±8</td> <td>–</td> <td>–</td> <td>–</td> <td>–</td> <td>–</td> <td>–</td> </tr> <tr> <td>ET-EMW400</td> <td>±22</td> <td>±15</td> <td>±8</td> <td>±8</td> <td>1.5</td> <td>3.7</td> <td>0.9</td> <td>2.2</td> </tr> <tr> <td>ET-EMW500</td> <td>±22</td> <td>±15</td> <td>±8</td> <td>±8</td> <td>1.2</td> <td>3</td> <td>0.7</td> <td>1.7</td> </tr> <tr> <td>ET-EMT700</td> <td>±40</td> <td>±40</td> <td>±20</td> <td>±15</td> <td>0.6</td> <td>1.1</td> <td>0.3</td> <td>0.6</td> </tr> <tr> <td>ET-EMT800</td> <td>±40</td> <td>±40</td> <td>±20</td> <td>±15</td> <td>0.3</td> <td>0.6</td> <td>0.2</td> <td>0.3</td> </tr> </tbody> </table> <p>* When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding total of 55°.</p> <ul style="list-style-type: none"> <li>● When [GEOMETRY] is used, the focus of the entire screen may be lost as correction increases.</li> <li>● Make the curved screen a circular arc shape with one part of a perfect circle removed.</li> <li>● Adjustment range of the [GEOMETRY] items may not match the listed projection range depending on the projection lens. Use this projector within the projection range, otherwise the correction may not work.</li> </ul> |  |  |                     |   |                               |                     |  | Projection lens Model No. | Only [KEYSTONE] used |  | [KEYSTONE] and [CURVED CORRECTION] used together |  |  |  | Only [CURVED CORRECTION] used |  | Vertical keystone correction angle $\alpha$ (°) | Horizontal keystone correction angle $\beta$ (°) | Vertical keystone correction angle $\alpha$ (°) | Horizontal keystone correction angle $\beta$ (°) | Min. value of R2/L2 | Min. value of R3/L3 | Min. value of R2/L2 | Min. value of R3/L3 | ET-EMS600 | ±40 | ±15 | ±20 | ±15 | 1.1 | 2.6 | 0.6 | 1.5 | ET-EMW200 | ±14 | ±8 | – | – | – | – | – | – | ET-EMW300 | ±14 | ±8 | – | – | – | – | – | – | ET-EMW400 | ±22 | ±15 | ±8 | ±8 | 2 | 4.8 | 1.2 | 2.9 | ET-EMW500 | ±22 | ±15 | ±8 | ±8 | 1.6 | 3.9 | 0.9 | 2.3 | ET-EMT700 | ±40 | ±15 | ±20 | ±15 | 0.8 | 1.5 | 0.4 | 0.8 | ET-EMT800 | ±40 | ±15 | ±20 | ±15 | 0.4 | 0.7 | 0.2 | 0.4 | Projection lens Model No. | Only [KEYSTONE] used* |  | [KEYSTONE] and [CURVED CORRECTION] used together |  |  |  | Only [CURVED CORRECTION] used |  | Vertical keystone correction angle $\alpha$ (°) | Horizontal keystone correction angle $\beta$ (°) | Vertical keystone correction angle $\alpha$ (°) | Horizontal keystone correction angle $\beta$ (°) | Min. value of R2/L2 | Min. value of R3/L3 | Min. value of R2/L2 | Min. value of R3/L3 | ET-EMS600 | ±40 | ±40 | ±20 | ±15 | 0.9 | 2 | 0.5 | 1.1 | ET-EMW200 | ±14 | ±8 | – | – | – | – | – | – | ET-EMW300 | ±14 | ±8 | – | – | – | – | – | – | ET-EMW400 | ±22 | ±15 | ±8 | ±8 | 1.5 | 3.7 | 0.9 | 2.2 | ET-EMW500 | ±22 | ±15 | ±8 | ±8 | 1.2 | 3 | 0.7 | 1.7 | ET-EMT700 | ±40 | ±40 | ±20 | ±15 | 0.6 | 1.1 | 0.3 | 0.6 | ET-EMT800 | ±40 | ±40 | ±20 | ±15 | 0.3 | 0.6 | 0.2 | 0.3 |
|---------------------------|---|---|--|--|---------------------|---|-------------------------------|---------------------|--|---------------------------|----------------------|--|--|--|--|--|-------------------------------|--|---|--|---|--|---------------------|---------------------|---------------------|---------------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----------|-----|----|---|---|---|---|---|---|-----------|-----|----|---|---|---|---|---|---|-----------|-----|-----|----|----|---|-----|-----|-----|-----------|-----|-----|----|----|-----|-----|-----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|---------------------------|-----------------------|--|--|--|--|--|-------------------------------|--|---|--|---|--|---------------------|---------------------|---------------------|---------------------|-----------|-----|-----|-----|-----|-----|---|-----|-----|-----------|-----|----|---|---|---|---|---|---|-----------|-----|----|---|---|---|---|---|---|-----------|-----|-----|----|----|-----|-----|-----|-----|-----------|-----|-----|----|----|-----|---|-----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|
| Projection lens Model No. | Only [KEYSTONE] used  |   | [KEYSTONE] and [CURVED CORRECTION] used together |  |                     |   | Only [CURVED CORRECTION] used |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
|                           | Vertical keystone correction angle $\alpha$ (°)   | Horizontal keystone correction angle $\beta$ (°)  | Vertical keystone correction angle $\alpha$ (°)  | Horizontal keystone correction angle $\beta$ (°) | Min. value of R2/L2 | Min. value of R3/L3                             | Min. value of R2/L2           | Min. value of R3/L3 |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| ET-EMS600                 | ±40   | ±15   | ±20  | ±15  | 1.1                 | 2.6   | 0.6                           | 1.5                 |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| ET-EMW200                 | ±14   | ±8  | –  | –  | –                   | –   | –                             | –                   |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| ET-EMW300                 | ±14   | ±8  | –  | –  | –                   | –   | –                             | –                   |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| ET-EMW400                 | ±22   | ±15   | ±8   | ±8   | 2                   | 4.8   | 1.2                           | 2.9                 |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| ET-EMW500                 | ±22   | ±15   | ±8   | ±8   | 1.6                 | 3.9   | 0.9                           | 2.3                 |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| ET-EMT700                 | ±40   | ±15   | ±20  | ±15  | 0.8                 | 1.5   | 0.4                           | 0.8                 |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| ET-EMT800                 | ±40   | ±15   | ±20  | ±15  | 0.4                 | 0.7   | 0.2                           | 0.4                 |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| Projection lens Model No. | Only [KEYSTONE] used*   |   | [KEYSTONE] and [CURVED CORRECTION] used together |  |                     |   | Only [CURVED CORRECTION] used |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
|                           | Vertical keystone correction angle $\alpha$ (°)   | Horizontal keystone correction angle $\beta$ (°)  | Vertical keystone correction angle $\alpha$ (°)  | Horizontal keystone correction angle $\beta$ (°) | Min. value of R2/L2 | Min. value of R3/L3                             | Min. value of R2/L2           | Min. value of R3/L3 |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| ET-EMS600                 | ±40   | ±40   | ±20  | ±15  | 0.9                 | 2   | 0.5                           | 1.1                 |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| ET-EMW200                 | ±14   | ±8  | –  | –  | –                   | –   | –                             | –                   |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| ET-EMW300                 | ±14   | ±8  | –  | –  | –                   | –   | –                             | –                   |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| ET-EMW400                 | ±22   | ±15   | ±8   | ±8   | 1.5                 | 3.7   | 0.9                           | 2.2                 |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| ET-EMW500                 | ±22   | ±15   | ±8   | ±8   | 1.2                 | 3   | 0.7                           | 1.7                 |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| ET-EMT700                 | ±40   | ±40   | ±20  | ±15  | 0.6                 | 1.1   | 0.3                           | 0.6                 |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| ET-EMT800                 | ±40   | ±40   | ±20  | ±15  | 0.3                 | 0.6   | 0.2                           | 0.3                 |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| Optical axis shift        |   | Vertical ±60%<br>Horizontal ±20%<br>Vertical ±40%, Horizontal ±19% (ET-EMW200)<br>Vertical ±50%, Horizontal ±20% (ET-EMW300)  |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| Installation              |   | Ceiling/floor, front/rear   |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| Terminals                 | SDI IN  | BNC × 1      3G-SDI signal: SMPTE ST 424, 425-2 compliant<br>HD-SDI signal: SMPTE ST 292 compliant  |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
|                           | HDMI IN   | HDMI 19-pin × 1      Deep Color, compatible with HDCP 1x / HDCP2.2, 4K/60p*4 signal input   |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
|                           | DVI-D IN  | DVI-D 24pin × 1      compatible with HDCP 1x  |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
|                           | RGB1 IN   | D-sub 15-pin (female) × 1      RGB/Y/P <sub>B</sub> /P <sub>R</sub>   |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
|                           | SERIAL/MULTI PROJECTOR SYNC IN  | D-sub 9-pin (female) × 1      for external control (RS-232C compliant)  |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
|                           | SERIAL/MULTI PROJECTOR SYNC OUT   | D-sub 9-pin (male) × 1      for link control  |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
|                           | REMOTE 1 IN   | D-sub 9-pin (female) × 1      for external control (parallel)   |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
|                           | REMOTE 2 IN   | M3 jack × 1      for wired remote control   |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
|                           | REMOTE 2 OUT  | M3 jack × 1      for link control ( for wired remote control)   |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
|                           | DIGITAL LINK  | RJ-45 × 1<br>for network and DIGITAL LINK (video/network/serial control) (HDBase™ compliant), PJLink [class 2] compatible, 100Base-TX, Art-Net compatible, HDCP 2.2compatible, Deep Color compatible, 4K/60p*4 signal input   |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| LAN                       | RJ-45 × 1<br>for network connection, PJLink [class 2] compatible, 10Base-T/100Base-TX, Art-Net compatible |   |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| DC OUT                    | USB type-A × 1      for power supply DC5V, 2A   |   |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| Power cord length         |   | 3.0 m (9ft 10 in)   |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| Cabinet materials         |   | Molded plastic  |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| Dimensions (W×H×D)*5      |   | 650×185×440 mm (25-19/32× 7-9/32× 17-21/64 in) (protruding parts not included)  |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| Weight*6                  |   | 22.3 kg (49.2 lbs) (without lens)   |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| Operating noise           |   | 35dB (NORMAL) /30dB (QUIET)   |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| Operating environment     | Operating environment temperature   | 0°C (32°F) to 45°C (113°F)*7  |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
|                           | Operating environment humidity  | 10% to 80% (no condensation)  |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
| Laser Classification      | Laser Class   | USA and Canada: Class 3R (IEC60825-1:2007)<br>Other counties or regions: Class 1 (IEC/EN 60825-1:2014)  |  |  |                     |   |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
|                           | Risk Group  | ET-EMW200/ET-EMW300/ET-EMW400/<br>ET-EMW500/ET-EMS600/ET-EMT700   |  |  |                     | Risk Group 2 (IEC 62471-5:2015)                 |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |
|                           |   | ET-EMT800*8   |  |  |                     | Risk Group 2 or Risk Group 3 (IEC 62471-5:2015) |                               |                     |  |                           |                      |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |     |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |   |     |     |     |           |     |     |    |    |     |     |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |                           |                       |  |  |  |  |  |                               |  |   |  |   |  |                     |                     |                     |                     |           |     |     |     |     |     |   |     |     |           |     |    |   |   |   |   |   |   |           |     |    |   |   |   |   |   |   |           |     |     |    |    |     |     |     |     |           |     |     |    |    |     |   |     |     |           |     |     |     |     |     |     |     |     |           |     |     |     |     |     |     |     |     |

## Remote control unit

|                        |  |
|------------------------|--|
| Power supply           | 3V DC (AAA/R03/LR03 battery × 2)   |
| Operation range        | Approx. 30 m (98 ft 5 in) (when operated directly in front of signal receptor) |
| Dimensions (W × H × D) | 48×145×27 mm (1-7/8 × 5-23/32 × 1-1/16 in)                                     |
| Weight*6               | Approx. 102g (3.60 ozs.) including batteries                                   |

## Supplied accessories

- Wireless remote control unit (× 1)
- Power cord (3.0m × 1) (× 2 for Europe and Asia model)
- Batteries for remote control (R03/AAA type × 2)
- Lens fixing screw (× 4)

## Optional accessories

- Ceiling Mount Bracket ET-PKD120H (for high ceilings)
- Ceiling Mount Bracket ET-PKD120S (for low ceilings)
- High-ceiling mount bracket (6-axis adjustment mechanism) ET-PKD130H
- Attachment for ceiling mount bracket ET-PKE301B\*9
- Digital Interface Box ET-YFB100G
- DIGITAL LINK switcher ET-YFB200G
- Geometry Manager Pro Upgrade kit ET-UK20
- NFC Upgrade Kit ET-NUK10\*10
- Auto Screen Adjustment Upgrade kit ET-CUK10/CUK10P
- Early Warning Software ET-SWA100/105 series\*11
- Zoom lens ET-EMW200 [Available from Apr. 2020]
- Zoom lens ET-EMW300 [Available from Jan. 2020]
- Zoom lens ET-EMW400 [Available from Nov. 2019]
- Zoom lens ET-EMW500 [Available from Jan. 2020]
- Zoom lens ET-EMS600 [Available from Nov. 2019]
- Zoom lens ET-EMT700 [Available from Dec. 2019]
- Zoom lens ET-EMT800 [Available from Jan. 2020]

## Other Applications

- Multi Monitoring and Control Software (for Windows)
- Logo Transfer Software (for Windows)
- Smart Projector Control (for iOS/Android)
- Geometry Manager Pro (for Windows)

Weights and dimensions shown are approximate. Specifications subject to change without notice.

\*1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118:2012 international standards.

\*2 Value is for the supplied standard lens. The value varies depending on the lens.

\*3 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, NORMAL Mode, Dynamic Contrast [3], under conditions with 35 °C (95 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m<sup>3</sup> of particulate matter. Panasonic recommends cleaning or 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.

\*4 4K/60p input signal is converted to projector's resolution (1920 x 1200)

\*5 When adjustable feet shortened.

\*6 Average value. May differ depending on models.

\*7 When using the projector at an altitude lower than 2,700 m (8,858') 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.

\*8 When the throw ratio is 4.6:1 or less: Risk group 2

When the throw ratio exceeds 4.6:1: Risk group 3

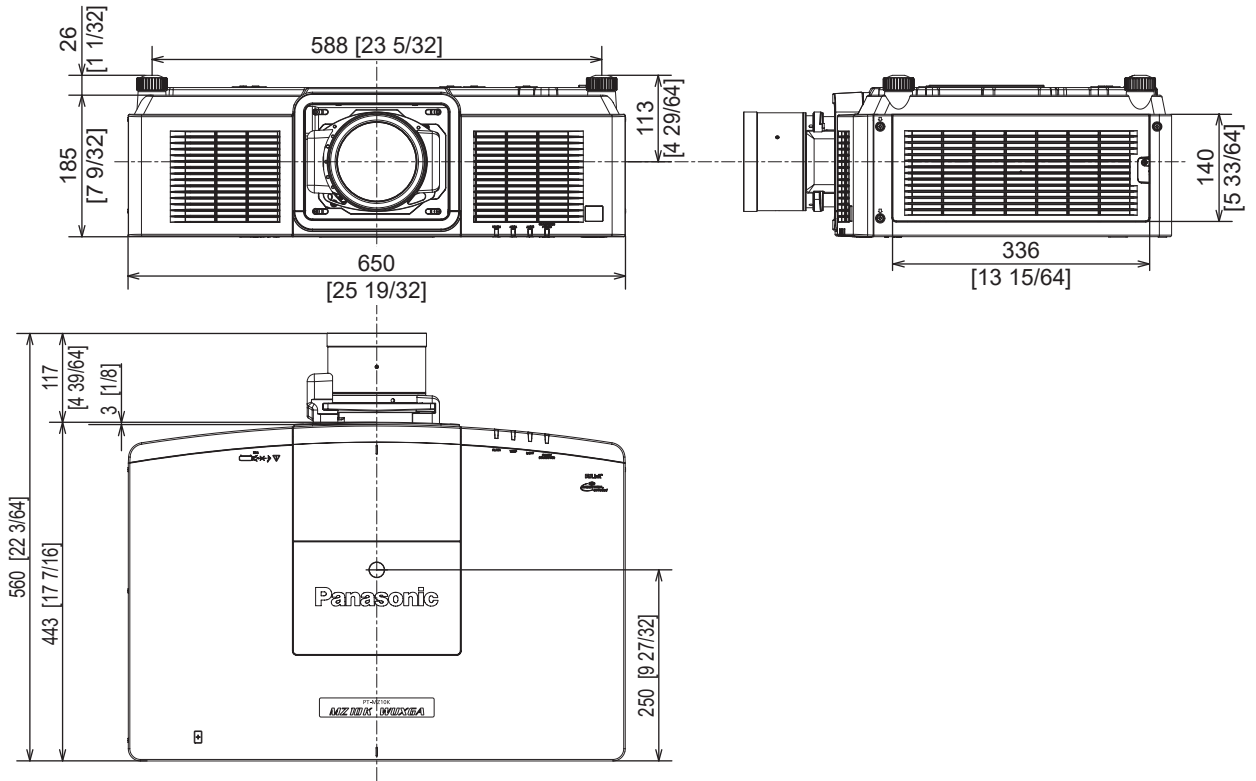
\*9 When the projector is mounted to the existing Ceiling Mount Bracket (in combination with the Model No.: ET-PKD120H (for High Ceilings) or - ET-PKD120S (for Low Ceilings), and the Model No.: ET-PKE300B (Projector Mount Bracket)), it is necessary to replace the drop-prevention - wire rope with the one corresponding to this projector. Consult your dealer. Drop-prevention set (service model no.: DPPW1004ZA/X1)

\*10 The availability of this product varies depending on the country. For details, contact local sales company

\*11 The symbol at the end of the part number will vary depending on the type of license.

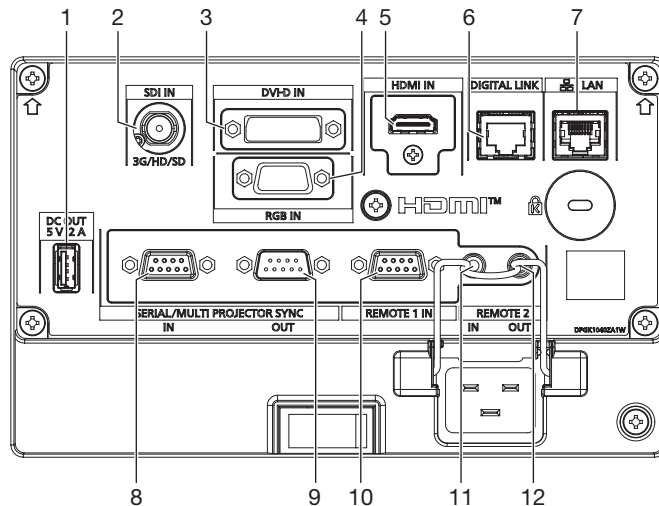
Dimensions

unit : mm (inch)  
NOTE: This illustration is not drawn to scale.



\* The above dimensions are obtained when the ET-EMS600 zoom lens (optional) is attached.  
\* Actual dimensions may differ depending on the product.

Terminals



|   |              |    |                                 |
|---|--------------|----|---------------------------------|
| 1 | DC OUT       | 7  | LAN                             |
| 2 | SDI IN       | 8  | SERIAL/MULTI PROJECTOR SYNC IN  |
| 3 | DVI-D IN     | 9  | SERIAL/MULTI PROJECTOR SYNC OUT |
| 4 | RGB IN       | 10 | REMOTE 1 IN                     |
| 5 | HDMI IN      | 11 | REMOTE 2 IN                     |
| 6 | DIGITAL LINK | 12 | REMOTE 2 OUT                    |

**Projection distance**

Screen aspect ratio 16:10

Unit: meters

| Lens type                 |             |            | Zoom Lens              |           |               |           |               |           |               |           |              |           |             |           |             |           | Height position(H)  |             |             |
|---------------------------|-------------|------------|------------------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|---|-------------|-------------|
| Projection Lens Model No. |             |            | ET-EMS600              |           | ET-EMW200     |           | ET-EMW300     |           | ET-EMW400     |           | ET-EMW500    |           | ET-EMT700   |           | ET-EMT800   |           | ET-EMS600<br>ET-EMW400<br>ET-EMW500<br>ET-EMT700<br>ET-EMT800 | ET-EMW200   | ET-EMW300   |
| Throw ratio*              |             |            | 1.35-2.10:1            |           | 0.480-0.550:1 |           | 0.550-0.690:1 |           | 0.690-0.950:1 |           | 0.950-1.36:1 |           | 2.10-4.14:1 |           | 4.14-7.40:1 |           |   |             |             |
| Screen size               |             |            | Distance to screen (L) |           |               |           |               |           |               |           |              |           |             |           |             |           | ET-EMS600<br>ET-EMW400<br>ET-EMW500<br>ET-EMT700<br>ET-EMT800 | ET-EMW200   | ET-EMW300   |
| Diagonal (SD)             | Height (SH) | Width (SW) | min. (LW)              | max. (LT) | min. (LW)     | max. (LT) | min. (LW)     | max. (LT) | min. (LW)     | max. (LT) | min. (LW)    | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |   |             |             |
| 2.03/ 80                  | 1.077       | 1.723      | 2.30                   | 3.64      | 0.81          | 0.95      | 0.93          | 1.19      | 1.17          | 1.64      | 1.61         | 2.34      | 3.55        | 7.15      | 7.12        | 12.88     | -0.11 - 1.18  | 0.11 - 0.97 | 0.00 - 1.08 |
| 2.29/ 90                  | 1.212       | 1.939      | 2.59                   | 4.10      | 0.91          | 1.07      | 1.05          | 1.34      | 1.32          | 1.85      | 1.82         | 2.64      | 4.01        | 8.05      | 7.97        | 14.45     | -0.12 - 1.34  | 0.12 - 1.09 | 0.00 - 1.21 |
| 2.54/100                  | 1.346       | 2.154      | 2.89                   | 4.56      | 1.03          | 1.19      | 1.18          | 1.49      | 1.48          | 2.06      | 2.03         | 2.93      | 4.50        | 8.90      | 8.90        | 16.00     | -0.13 - 1.48  | 0.13 - 1.21 | 0.00 - 1.35 |
| 3.05/120                  | 1.615       | 2.585      | 3.47                   | 5.49      | 1.23          | 1.44      | 1.41          | 1.80      | 1.78          | 2.48      | 2.44         | 3.53      | 5.38        | 10.77     | 10.51       | 19.17     | -0.16 - 1.78  | 0.16 - 1.45 | 0.00 - 1.62 |
| 3.81/150                  | 2.019       | 3.231      | 4.35                   | 6.87      | 1.55          | 1.81      | 1.78          | 2.26      | 2.24          | 3.12      | 3.07         | 4.43      | 6.75        | 13.49     | 13.06       | 23.89     | -0.20 - 2.22  | 0.20 - 1.82 | 0.00 - 2.02 |
| 5.08/200                  | 2.692       | 4.308      | 5.82                   | 9.17      | 2.08          | 2.44      | 2.38          | 3.02      | 3.00          | 4.17      | 4.11         | 5.92      | 9.04        | 18.03     | 17.31       | 31.75     | -0.27 - 2.96  | 0.27 - 2.42 | 0.00 - 2.69 |
| 6.35/250                  | 3.365       | 5.385      | 7.29                   | 11.47     | 2.62          | 3.06      | 2.99          | 3.79      | 3.76          | 5.23      | 5.15         | 7.42      | 11.33       | 22.56     | 21.56       | 39.61     | -0.34 - 3.70  | 0.34 - 3.03 | 0.00 - 3.37 |
| 7.62/300                  | 4.039       | 6.462      | 8.76                   | 13.78     | 3.15          | 3.68      | 3.60          | 4.56      | 4.52          | 6.28      | 6.19         | 8.91      | 13.61       | 27.09     | 25.80       | 47.47     | -0.40 - 4.44  | 0.40 - 3.63 | 0.00 - 4.04 |
| 8.89/350                  | 4.712       | 7.539      | 10.23                  | 16.08     | 3.68          | 4.30      | 4.20          | 5.32      | 5.28          | 7.34      | 7.23         | 10.40     | 15.90       | 31.63     | 30.05       | 55.33     | -0.47 - 5.18  | 0.47 - 4.24 | 0.00 - 4.71 |
| 10.16/400                 | 5.385       | 8.616      | 11.69                  | 18.38     | 4.21          | 4.92      | 4.81          | 6.09      | 6.05          | 8.39      | 8.27         | 11.90     | 18.19       | 36.16     | 34.30       | 63.20     | -0.54 - 5.92  | 0.54 - 4.85 | 0.00 - 5.38 |
| 12.70/500                 | 6.731       | 10.770     | 14.63                  | 22.99     | 5.28          | 6.16      | 6.02          | 7.62      | 7.57          | 10.50     | 10.34        | 14.89     | 22.76       | 45.22     | 42.79       | 78.92     | -0.67 - 7.40  | 0.67 - 6.06 | 0.00 - 6.73 |

Unit: feet

| Lens type                 |             |            | Zoom Lens              |           |               |           |               |           |               |           |              |           |             |           |             |           | Height position(H)  |              |              |
|---------------------------|-------------|------------|------------------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|---|--------------|--------------|
| Projection Lens Model No. |             |            | ET-EMS600              |           | ET-EMW200     |           | ET-EMW300     |           | ET-EMW400     |           | ET-EMW500    |           | ET-EMT700   |           | ET-EMT800   |           | ET-EMS600<br>ET-EMW400<br>ET-EMW500<br>ET-EMT700<br>ET-EMT800 | ET-EMW200    | ET-EMW300    |
| Throw ratio*              |             |            | 1.35-2.10:1            |           | 0.480-0.550:1 |           | 0.550-0.690:1 |           | 0.690-0.950:1 |           | 0.950-1.36:1 |           | 2.10-4.14:1 |           | 4.14-7.40:1 |           |   |              |              |
| Screen size               |             |            | Distance to screen (L) |           |               |           |               |           |               |           |              |           |             |           |             |           | ET-EMS600<br>ET-EMW400<br>ET-EMW500<br>ET-EMT700<br>ET-EMT800 | ET-EMW200    | ET-EMW300    |
| Diagonal (SD)             | Height (SH) | Width (SW) | min. (LW)              | max. (LT) | min. (LW)     | max. (LT) | min. (LW)     | max. (LT) | min. (LW)     | max. (LT) | min. (LW)    | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |   |              |              |
| 2.03/ 80                  | 1.077       | 1.723      | 7.55                   | 11.94     | 2.66          | 3.12      | 3.05          | 3.90      | 3.84          | 5.38      | 5.28         | 7.68      | 11.65       | 23.46     | 23.36       | 42.26     | -0.36 - 3.87  | 0.36 - 3.18  | 0.00 - 3.54  |
| 2.29/ 90                  | 1.212       | 1.939      | 8.50                   | 13.45     | 2.99          | 3.51      | 3.44          | 4.40      | 4.33          | 6.07      | 5.97         | 8.66      | 13.16       | 26.41     | 26.15       | 47.41     | -0.39 - 4.40  | 0.39 - 3.58  | 0.00 - 3.97  |
| 2.54/100                  | 1.346       | 2.154      | 9.48                   | 14.96     | 3.38          | 3.90      | 3.87          | 4.89      | 4.86          | 6.76      | 6.66         | 9.61      | 14.76       | 29.20     | 29.20       | 52.49     | -0.43 - 4.86  | 0.43 - 3.97  | 0.00 - 4.43  |
| 3.05/120                  | 1.615       | 2.585      | 11.38                  | 18.01     | 4.04          | 4.72      | 4.63          | 5.91      | 5.84          | 8.14      | 8.01         | 11.58     | 17.65       | 35.33     | 34.48       | 62.89     | -0.52 - 5.84  | 0.52 - 4.76  | 0.00 - 5.31  |
| 3.81/150                  | 2.019       | 3.231      | 14.27                  | 22.54     | 5.09          | 5.94      | 5.84          | 7.41      | 7.35          | 10.24     | 10.07        | 14.53     | 22.15       | 44.26     | 42.85       | 78.38     | -0.66 - 7.28  | 0.66 - 5.97  | 0.00 - 6.63  |
| 5.08/200                  | 2.692       | 4.308      | 19.09                  | 30.08     | 6.82          | 8.01      | 7.81          | 9.91      | 9.84          | 13.68     | 13.48        | 19.42     | 29.66       | 59.15     | 56.79       | 104.17    | -0.89 - 9.71  | 0.89 - 7.94  | 0.00 - 8.83  |
| 6.35/250                  | 3.365       | 5.385      | 23.92                  | 37.63     | 8.60          | 10.04     | 9.81          | 12.43     | 12.34         | 17.16     | 16.90        | 24.34     | 37.17       | 74.01     | 70.73       | 129.95    | -1.12 - 12.14   | 1.12 - 9.94  | 0.00 - 11.06 |
| 7.62/300                  | 4.039       | 6.462      | 28.74                  | 45.21     | 10.33         | 12.07     | 11.81         | 14.96     | 14.83         | 20.60     | 20.31        | 29.23     | 44.65       | 88.88     | 84.64       | 155.74    | -1.31 - 14.57   | 1.31 - 11.91 | 0.00 - 13.25 |
| 8.89/350                  | 4.712       | 7.539      | 33.56                  | 52.76     | 12.07         | 14.11     | 13.78         | 17.45     | 17.32         | 24.08     | 23.72        | 34.12     | 52.16       | 103.77    | 98.59       | 181.53    | -1.54 - 16.99   | 1.54 - 13.91 | 0.00 - 15.45 |
| 10.16/400                 | 5.385       | 8.616      | 38.35                  | 60.30     | 13.81         | 16.14     | 15.78         | 19.98     | 19.85         | 27.53     | 27.13        | 39.04     | 59.68       | 118.63    | 112.53      | 207.35    | -1.77 - 19.42   | 1.77 - 15.91 | 0.00 - 17.65 |
| 12.70/500                 | 6.731       | 10.770     | 48.00                  | 75.43     | 17.32         | 20.21     | 19.75         | 25.00     | 24.84         | 34.45     | 33.92        | 48.85     | 74.67       | 148.36    | 140.39      | 258.92    | -2.20 - 24.28   | 2.20 - 19.88 | 0.00 - 22.08 |

- The value for L (distance to screen) varies slightly within ±5% depending on the zoom lens characteristics.
  - The zoom lens characteristics may cause slight image distortion.
  - When vertical keystone correction is used, the image is corrected in the direction that reduces its projected size.
  - The brightness varies depending on the zoom setting.
- \* The throw ratio is based on the value during projection with the projected image size of 2.54 m (100").

Screen aspect ratio 16:9

Unit: meters

| Lens type                 |             |            | Zoom Lens              |           |               |           |               |           |               |           |              |           |             |           |             |           | Height position(H)  |             |              |
|---------------------------|-------------|------------|------------------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|---|-------------|--------------|
| Projection Lens Model No. |             |            | ET-EMS600              |           | ET-EMW200     |           | ET-EMW300     |           | ET-EMW400     |           | ET-EMW500    |           | ET-EMT700   |           | ET-EMT800   |           | ET-EMS600<br>ET-EMW400<br>ET-EMW500<br>ET-EMT700<br>ET-EMT800 | ET-EMW200   | ET-EMW300    |
| Throw ratio*              |             |            | 1.35-2.10:1            |           | 0.480-0.550:1 |           | 0.550-0.690:1 |           | 0.690-0.950:1 |           | 0.950-1.36:1 |           | 2.10-4.15:1 |           | 4.12-7.40:1 |           |   |             |              |
| Screen size               |             |            | Distance to screen (L) |           |               |           |               |           |               |           |              |           |             |           |             |           | ET-EMS600<br>ET-EMW400<br>ET-EMW500<br>ET-EMT700<br>ET-EMT800 | ET-EMW200   | ET-EMW300    |
| Diagonal (SD)             | Height (SH) | Width (SW) | min. (LW)              | max. (LT) | min. (LW)     | max. (LT) | min. (LW)     | max. (LT) | min. (LW)     | max. (LT) | min. (LW)    | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |   |             |              |
| 2.03/ 80                  | 0.996       | 1.771      | 2.37                   | 3.75      | 0.83          | 0.97      | 0.96          | 1.22      | 1.20          | 1.69      | 1.66         | 2.41      | 3.65        | 7.35      | 7.31        | 13.23     | -0.17 - 1.16  | 0.06 - 0.94 | -0.06 - 1.05 |
| 2.29/ 90                  | 1.121       | 1.992      | 2.67                   | 4.22      | 0.94          | 1.10      | 1.08          | 1.38      | 1.36          | 1.90      | 1.87         | 2.71      | 4.12        | 8.28      | 8.18        | 14.84     | -0.19 - 1.31  | 0.06 - 1.06 | -0.06 - 1.18 |
| 2.54/100                  | 1.245       | 2.214      | 2.97                   | 4.69      | 1.06          | 1.22      | 1.21          | 1.53      | 1.52          | 2.12      | 2.09         | 3.02      | 4.60        | 9.20      | 9.10        | 16.40     | -0.21 - 1.45  | 0.07 - 1.18 | -0.07 - 1.31 |
| 3.05/120                  | 1.494       | 2.657      | 3.57                   | 5.64      | 1.27          | 1.48      | 1.46          | 1.85      | 1.83          | 2.56      | 2.51         | 3.63      | 5.53        | 11.08     | 10.80       | 19.69     | -0.25 - 1.74  | 0.08 - 1.41 | -0.08 - 1.58 |
| 3.81/150                  | 1.868       | 3.321      | 4.48                   | 7.06      | 1.60          | 1.87      | 1.83          | 2.32      | 2.24          | 3.21      | 3.15         | 4.56      | 6.94        | 13.87     | 13.42       | 24.54     | -0.31 - 2.18  | 0.10 - 1.76 | -0.10 - 1.97 |
| 5.08/200                  | 2.491       | 4.428      | 5.99                   | 9.43      | 2.14          | 2.50      | 2.45          | 3.11      | 3.03          | 4.29      | 4.22         | 6.09      | 9.29        | 18.53     | 17.78       | 32.62     | -0.41 - 2.90  | 0.14 - 2.35 | -0.14 - 2.63 |
| 6.35/250                  | 3.113       | 5.535      | 7.49                   | 11.79     | 2.69          | 3.14      | 3.07          | 3.90      | 4.24          | 5.37      | 5.29         | 7.63      | 11.64       | 23.19     | 22.15       | 40.70     | -0.52 - 3.63  | 0.17 - 2.94 | -0.17 - 3.28 |
| 7.62/300                  | 3.736       | 6.641      | 9.00                   | 14.16     | 3.24          | 3.78      | 3.70          | 4.68      | 5.00          | 6.46      | 6.36         | 9.16      | 13.99       | 27.85     | 26.51       | 48.78     | -0.62 - 4.36  | 0.21 - 3.53 | -0.21 - 3.94 |
| 8.89/350                  | 4.358       | 7.748      | 10.51                  | 16.53     | 3.78          | 4.42      | 4.32          | 5.47      | 5.48          | 7.54      | 7.43         | 10.70     | 16.35       | 32.51     | 30.88       | 56.86     | -0.73 - 5.08  | 0.24 - 4.11 | -0.24 - 4.60 |
| 10.16/400                 | 4.981       | 8.855      | 12.02                  | 18.89     | 4.33          | 5.06      | 4.94          | 6.26      | 6.27          | 8.62      | 8.50         | 12.23     | 18.70       | 37.17     | 35.24       | 64.94     | -0.83 - 5.81  | 0.28 - 4.70 | -0.28 - 5.25 |
| 12.70/500                 | 6.226       | 11.069     | 15.04                  | 23.63     | 5.42          | 6.33      | 6.19          | 7.83      | 7.84          | 10.79     | 10.63        | 15.30     | 23.40       | 46.49     | 43.97       | 81.11     | -1.04 - 7.26  | 0.35 - 5.88 | -0.35 - 6.57 |

Unit: feet

| Lens type                 |             |            | Zoom Lens              |           |               |           |               |           |               |           |              |           |             |           |             |           | Height position(H)  |              |               |
|---------------------------|-------------|------------|------------------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|---|--------------|---------------|
| Projection Lens Model No. |             |            | ET-EMS600              |           | ET-EMW200     |           | ET-EMW300     |           | ET-EMW400     |           | ET-EMW500    |           | ET-EMT700   |           | ET-EMT800   |           | ET-EMS600<br>ET-EMW400<br>ET-EMW500<br>ET-EMT700<br>ET-EMT800 | ET-EMW200    | ET-EMW300     |
| Throw ratio*              |             |            | 1.35-2.10:1            |           | 0.480-0.550:1 |           | 0.550-0.690:1 |           | 0.690-0.950:1 |           | 0.950-1.36:1 |           | 2.10-4.15:1 |           | 4.12-7.40:1 |           |   |              |               |
| Screen size               |             |            | Distance to screen (L) |           |               |           |               |           |               |           |              |           |             |           |             |           | ET-EMS600<br>ET-EMW400<br>ET-EMW500<br>ET-EMT700<br>ET-EMT800 | ET-EMW200    | ET-EMW300     |
| Diagonal (SD)             | Height (SH) | Width (SW) | min. (LW)              | max. (LT) | min. (LW)     | max. (LT) | min. (LW)     | max. (LT) | min. (LW)     | max. (LT) | min. (LW)    | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |   |              |               |
| 2.03/ 80                  | 0.996       | 1.771      | 7.78                   | 12.30     | 2.72          | 3.18      | 3.15          | 4.00      | 3.94          | 5.54      | 5.45         | 7.91      | 11.97       | 24.11     | 23.98       | 43.40     | -0.56 - 3.81  | 0.20 - 3.08  | -0.20 - 3.44  |
| 2.29/ 90                  | 1.121       | 1.992      | 8.76                   | 13.84     | 3.08          | 3.61      | 3.54          | 4.53      | 4.46          | 6.23      | 6.14         | 8.89      | 13.52       | 27.17     | 26.84       | 48.69     | -0.62 - 4.30  | 0.20 - 3.48  | -0.20 - 3.87  |
| 2.54/100                  | 1.245       | 2.214      | 9.74                   | 15.39     | 3.48          | 4.00      | 3.97          | 5.02      | 4.99          | 6.96      | 6.86         | 9.91      | 15.09       | 30.18     | 29.86       | 53.81     | -0.69 - 4.76  | 0.23 - 3.87  | -0.23 - 4.30  |
| 3.05/120                  | 1.494       | 2.657      | 11.71                  | 18.50     | 4.17          | 4.86      | 4.79          | 6.07      | 6.00          | 8.40      | 8.23         | 11.91     | 18.14       | 36.35     | 35.43       | 64.60     | -0.82 - 5.71  | 0.26 - 4.63  | -0.26 - 5.18  |
| 3.81/150                  | 1.868       | 3.321      | 14.70                  | 23.16     | 5.25          | 6.14      | 6.00          | 7.61      | 7.35          | 10.53     | 10.33        | 14.96     | 22.77       | 45.50     | 44.03       | 80.51     | -1.02 - 7.15  | 0.33 - 5.77  | -0.33 - 6.46  |
| 5.08/200                  | 2.491       | 4.428      | 19.65                  | 30.94     | 7.02          | 8.20      | 8.04          | 10.20     | 9.94          | 14.07     | 13.84        | 19.98     | 30.48       | 60.79     | 58.33       | 107.02    | -1.35 - 9.51  | 0.46 - 7.71  | -0.46 - 8.63  |
| 6.35/250                  | 3.113       | 5.535      | 24.57                  | 38.68     | 8.83          | 10.30     | 10.07         | 12.80     | 13.91         | 17.62     | 17.36        | 25.03     | 38.19       | 76.08     | 72.67       | 133.53    | -1.71 - 11.91   | 0.56 - 9.65  | -0.56 - 10.76 |
| 7.62/300                  | 3.736       | 6.641      | 29.53                  | 46.46     | 10.63         | 12.40     | 12.14         | 15.35     | 16.40         | 21.19     | 20.87        | 30.05     | 45.90       | 91.37     | 86.97       | 160.04    | -2.03 - 14.30   | 0.69 - 11.58 | -0.69 - 12.93 |
| 8.89/350                  | 4.358       | 7.748      | 34.48                  | 54.23     | 12.40         | 14.50     | 14.17         | 17.95     | 17.98         | 24.74     | 24.38        | 35.10     | 53.64       | 106.66    | 101.31      | 186.55    | -2.39 - 16.67   | 0.79 - 13.48 | -0.79 - 15.09 |
| 10.16/400                 | 4.981       | 8.855      | 39.44                  | 61.97     | 14.21         | 16.60     | 16.21         | 20.54     | 20.57         | 28.28     | 27.89        | 40.12     | 61.35       | 121.95    | 115.62      | 213.06    | -2.72 - 19.06   | 0.92 - 15.42 | -0.92 - 17.22 |
| 12.70/500                 | 6.226       | 11.069     | 49.34                  | 77.53     | 17.78         | 20.77     | 20.31         | 25.69     | 25.72         | 35.40     | 34.87        | 50.20     | 76.77       | 152.52    | 144.26      | 266.11    | -3.41 - 23.82   | 1.15 - 19.29 | -1.15 - 21.55 |

- The value for L (distance to screen) varies slightly within ±5% depending on the zoom lens characteristics.
  - The zoom lens characteristics may cause slight image distortion.
  - When vertical keystone correction is used, the image is corrected in the direction that reduces its projected size.
  - The brightness varies depending on the zoom setting.
- \* The throw ratio is based on the value during projection with the projected image size of 2.54 m (100").

Screen aspect ratio 4:3

Unit: meters

| Lens type                 |             |            | Zoom Lens              |           |               |           |               |           |              |           |             |           |             |           |             |           | Height position(H)  |             |             |
|---------------------------|-------------|------------|------------------------|-----------|---------------|-----------|---------------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|---|-------------|-------------|
| Projection Lens Model No. |             |            | ET-EMS600              |           | ET-EMW200     |           | ET-EMW300     |           | ET-EMW400    |           | ET-EMW500   |           | ET-EMT700   |           | ET-EMT800   |           | ET-EMS600<br>ET-EMW400<br>ET-EMW500<br>ET-EMT700<br>ET-EMT800 | ET-EMW200   | ET-EMW300   |
| Throw ratio*              |             |            | 1.62-2.50:1            |           | 0.580-0.660:1 |           | 0.660-0.830:1 |           | 0.830-1.15:1 |           | 1.14-1.63:1 |           | 2.50-4.97:1 |           | 4.93-8.70:1 |           |   |             |             |
| Screen size               |             |            | Distance to screen (L) |           |               |           |               |           |              |           |             |           |             |           |             |           | ET-EMS600<br>ET-EMW400<br>ET-EMW500<br>ET-EMT700<br>ET-EMT800 | ET-EMW200   | ET-EMW300   |
| Diagonal (SD)             | Height (SH) | Width (SW) | min. (LW)              | max. (LT) | min. (LW)     | max. (LT) | min. (LW)     | max. (LT) | min. (LW)    | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |   |             |             |
| 2.03/ 80                  | 1.219       | 1.626      | 2.61                   | 4.13      | 0.92          | 1.08      | 1.06          | 1.35      | 1.33         | 1.86      | 1.83        | 2.66      | 4.03        | 8.11      | 8.01        | 14.54     | -0.12 - 1.34  | 0.12 - 1.10 | 0.00 - 1.22 |
| 2.29/ 90                  | 1.372       | 1.829      | 2.94                   | 4.65      | 1.04          | 1.22      | 1.20          | 1.52      | 1.50         | 2.10      | 2.07        | 2.99      | 4.55        | 9.13      | 8.98        | 16.02     | -0.14 - 1.51  | 0.14 - 1.24 | 0.00 - 1.37 |
| 2.54/100                  | 1.524       | 2.032      | 3.28                   | 5.17      | 1.17          | 1.35      | 1.34          | 1.69      | 1.68         | 2.34      | 2.31        | 3.33      | 5.07        | 10.10     | 10.00       | 17.80     | -0.15 - 1.68  | 0.15 - 1.37 | 0.00 - 1.52 |
| 3.05/120                  | 1.829       | 2.438      | 3.94                   | 6.22      | 1.40          | 1.64      | 1.61          | 2.04      | 2.02         | 2.82      | 2.77        | 4.01      | 6.11        | 12.21     | 11.86       | 21.36     | -0.18 - 2.01  | 0.18 - 1.65 | 0.00 - 1.83 |
| 3.81/150                  | 2.286       | 3.048      | 4.94                   | 7.78      | 1.76          | 2.06      | 2.02          | 2.56      | 2.54         | 3.54      | 3.48        | 5.02      | 7.66        | 15.29     | 14.74       | 26.70     | -0.23 - 2.51  | 0.23 - 2.06 | 0.00 - 2.29 |
| 5.08/200                  | 3.048       | 4.064      | 6.60                   | 10.39     | 2.37          | 2.76      | 2.70          | 3.43      | 3.40         | 4.73      | 4.66        | 6.71      | 10.25       | 20.42     | 19.55       | 35.60     | -0.31 - 3.35  | 0.31 - 2.74 | 0.00 - 3.05 |
| 6.35/250                  | 3.810       | 5.080      | 8.26                   | 12.99     | 2.97          | 3.47      | 3.39          | 4.30      | 4.26         | 5.92      | 5.83        | 8.40      | 12.84       | 25.55     | 24.36       | 44.50     | -0.38 - 4.19  | 0.38 - 3.43 | 0.00 - 3.81 |
| 7.62/300                  | 4.572       | 6.096      | 9.92                   | 15.60     | 3.57          | 4.17      | 4.08          | 5.16      | 5.13         | 7.12      | 7.01        | 10.09     | 15.43       | 30.69     | 29.17       | 53.40     | -0.46 - 5.03  | 0.46 - 4.11 | 0.00 - 4.57 |
| 8.89/350                  | 5.334       | 7.112      | 11.58                  | 18.21     | 4.17          | 4.87      | 4.76          | 6.03      | 5.99         | 8.31      | 8.19        | 11.79     | 18.01       | 35.82     | 33.98       | 62.30     | -0.53 - 5.87  | 0.53 - 4.80 | 0.00 - 5.33 |
| 10.16/400                 | 6.096       | 8.128      | 13.25                  | 20.81     | 4.77          | 5.57      | 5.45          | 6.90      | 6.85         | 9.50      | 9.36        | 13.48     | 20.60       | 40.95     | 38.78       | 71.20     | -0.61 - 6.71  | 0.61 - 5.49 | 0.00 - 6.10 |
| 12.70/500                 | 7.620       | 10.160     | 16.57                  | 26.03     | 5.98          | 6.98      | 6.82          | 8.63      | 8.58         | 11.89     | 11.72       | 16.86     | 25.78       | 51.21     | 48.40       | 89.00     | -0.76 - 8.38  | 0.76 - 6.86 | 0.00 - 7.62 |

Unit: feet

| Lens type                 |             |            | Zoom Lens              |           |               |           |               |           |              |           |             |           |             |           |             |           | Height position(H)  |              |              |
|---------------------------|-------------|------------|------------------------|-----------|---------------|-----------|---------------|-----------|--------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|---|--------------|--------------|
| Projection Lens Model No. |             |            | ET-EMS600              |           | ET-EMW200     |           | ET-EMW300     |           | ET-EMW400    |           | ET-EMW500   |           | ET-EMT700   |           | ET-EMT800   |           | ET-EMS600<br>ET-EMW400<br>ET-EMW500<br>ET-EMT700<br>ET-EMT800 | ET-EMW200    | ET-EMW300    |
| Throw ratio*              |             |            | 1.62-2.50:1            |           | 0.580-0.660:1 |           | 0.660-0.830:1 |           | 0.830-1.15:1 |           | 1.14-1.63:1 |           | 2.50-4.97:1 |           | 4.93-8.70:1 |           |   |              |              |
| Screen size               |             |            | Distance to screen (L) |           |               |           |               |           |              |           |             |           |             |           |             |           | ET-EMS600<br>ET-EMW400<br>ET-EMW500<br>ET-EMT700<br>ET-EMT800 | ET-EMW200    | ET-EMW300    |
| Diagonal (SD)             | Height (SH) | Width (SW) | min. (LW)              | max. (LT) | min. (LW)     | max. (LT) | min. (LW)     | max. (LT) | min. (LW)    | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) | min. (LW)   | max. (LT) |   |              |              |
| 2.03/ 80                  | 1.219       | 1.626      | 8.56                   | 13.55     | 3.02          | 3.54      | 3.48          | 4.43      | 4.36         | 6.10      | 6.00        | 8.73      | 13.22       | 26.61     | 26.28       | 47.70     | -0.39 - 4.40  | 0.39 - 3.61  | 0.00 - 4.00  |
| 2.29/ 90                  | 1.372       | 1.829      | 9.65                   | 15.26     | 3.41          | 4.00      | 3.94          | 4.99      | 4.92         | 6.89      | 6.79        | 9.81      | 14.93       | 29.95     | 29.46       | 52.56     | -0.46 - 4.95  | 0.46 - 4.07  | 0.00 - 4.49  |
| 2.54/100                  | 1.524       | 2.032      | 10.76                  | 16.96     | 3.84          | 4.43      | 4.40          | 5.54      | 5.51         | 7.68      | 7.58        | 10.93     | 16.63       | 33.14     | 32.81       | 58.40     | -0.49 - 5.51  | 0.49 - 4.49  | 0.00 - 4.99  |
| 3.05/120                  | 1.829       | 2.438      | 12.93                  | 20.41     | 4.59          | 5.38      | 5.28          | 6.69      | 6.63         | 9.25      | 9.09        | 13.16     | 20.05       | 40.06     | 38.91       | 70.08     | -0.59 - 6.59  | 0.59 - 5.41  | 0.00 - 6.00  |
| 3.81/150                  | 2.286       | 3.048      | 16.21                  | 25.52     | 5.77          | 6.76      | 6.63          | 8.40      | 8.33         | 11.61     | 11.42       | 16.47     | 25.13       | 50.16     | 48.36       | 87.60     | -0.75 - 8.23  | 0.75 - 6.76  | 0.00 - 7.51  |
| 5.08/200                  | 3.048       | 4.064      | 21.65                  | 34.09     | 7.78          | 9.06      | 8.86          | 11.25     | 11.15        | 15.52     | 15.29       | 22.01     | 33.63       | 66.99     | 64.14       | 116.80    | -1.02 - 10.99   | 1.02 - 8.99  | 0.00 - 10.01 |
| 6.35/250                  | 3.810       | 5.080      | 27.10                  | 42.62     | 9.74          | 11.38     | 11.12         | 14.11     | 13.98        | 19.42     | 19.13       | 27.56     | 42.13       | 83.82     | 79.92       | 146.00    | -1.25 - 13.75   | 1.25 - 11.25 | 0.00 - 12.50 |
| 7.62/300                  | 4.572       | 6.096      | 32.55                  | 51.18     | 11.71         | 13.68     | 13.39         | 16.93     | 16.83        | 23.36     | 23.00       | 33.10     | 50.62       | 100.69    | 95.70       | 175.19    | -1.51 - 16.50   | 1.51 - 13.48 | 0.00 - 14.99 |
| 8.89/350                  | 5.334       | 7.112      | 37.99                  | 59.74     | 13.68         | 15.98     | 15.62         | 19.78     | 19.65        | 27.26     | 26.87       | 38.68     | 59.09       | 117.52    | 111.48      | 204.39    | -1.74 - 19.26   | 1.74 - 15.75 | 0.00 - 17.49 |
| 10.16/400                 | 6.096       | 8.128      | 43.47                  | 68.27     | 15.65         | 18.27     | 17.88         | 22.64     | 22.47        | 31.17     | 30.71       | 44.23     | 67.58       | 134.35    | 127.23      | 233.59    | -2.00 - 22.01   | 2.00 - 18.01 | 0.00 - 20.01 |
| 12.70/500                 | 7.620       | 10.160     | 54.36                  | 85.40     | 19.62         | 22.90     | 22.38         | 28.31     | 28.15        | 39.01     | 38.45       | 55.31     | 84.58       | 168.01    | 158.79      | 291.99    | -2.49 - 27.49   | 2.49 - 22.51 | 0.00 - 25.00 |

- The value for L (distance to screen) varies slightly within ±5% depending on the zoom lens characteristics.
  - The zoom lens characteristics may cause slight image distortion.
  - When vertical keystone correction is used, the image is corrected in the direction that reduces its projected size.
  - The brightness varies depending on the zoom setting.
- \* The throw ratio is based on the value during projection with the projected image size of 2.54 m (100").

**Formula to calculate projection distance per Projection Lens**

To use a screen size not listed in this manual, check the screen size SD (m) and use the respective formula to calculate projection distance.

The unit of all the formulae is m. (Values obtained by the following calculation formulae contain a slight error.)

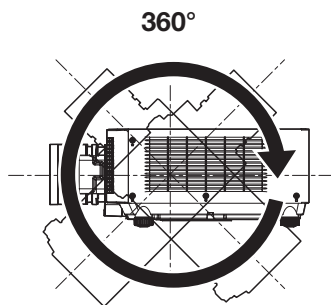
When calculating a projection distance using image size designation (value in inches), multiply the value in inches by 0.0254 and substitute it into SD in the formula for calculating the projection distance

| Lens type | Projection Lens Model No. | Throw ratio   | Aspect ratio | Projection distance (L) formula |                               |
|-----------|---------------------------|---------------|--------------|---------------------------------|-------------------------------|
|           |                           |               |              | Min. (LW)                       | Max. (LT)                     |
| Zoom lens | ET-EMS600                 | 1.35-2.10:1   | 16:10        | $L=1.1559 \times SD - 0.0491$   | $L=1.8130 \times SD - 0.0399$ |
|           |                           | 1.35-2.10:1   | 16:9         | $L=1.1880 \times SD - 0.0491$   | $L=1.8634 \times SD - 0.0399$ |
|           |                           | 1.62-2.50:1   | 4:3          | $L=1.3086 \times SD - 0.0491$   | $L=2.0524 \times SD - 0.0399$ |
|           | ET-EMW200                 | 0.480-0.550:1 | 16:10        | $L=0.4189 \times SD - 0.0435$   | $L=0.4888 \times SD - 0.0473$ |
|           |                           | 0.480-0.550:1 | 16:9         | $L=0.4306 \times SD - 0.0435$   | $L=0.5023 \times SD - 0.0473$ |
|           |                           | 0.580-0.660:1 | 4:3          | $L=0.4742 \times SD - 0.0435$   | $L=0.5533 \times SD - 0.0473$ |
|           | ET-EMW300                 | 0.550-0.690:1 | 16:10        | $L=0.4772 \times SD - 0.0397$   | $L=0.6031 \times SD - 0.0397$ |
|           |                           | 0.550-0.690:1 | 16:9         | $L=0.4904 \times SD - 0.0397$   | $L=0.6199 \times SD - 0.0397$ |
|           |                           | 0.660-0.830:1 | 4:3          | $L=0.5402 \times SD - 0.0397$   | $L=0.6828 \times SD - 0.0397$ |
|           | ET-EMW400                 | 0.690-0.950:1 | 16:10        | $L=0.6003 \times SD - 0.0518$   | $L=0.8303 \times SD - 0.0460$ |
|           |                           | 0.690-0.950:1 | 16:9         | $L=0.6170 \times SD - 0.0518$   | $L=0.8534 \times SD - 0.0460$ |
|           |                           | 0.830-1.15:1  | 4:3          | $L=0.6795 \times SD - 0.0518$   | $L=0.9400 \times SD - 0.0460$ |
|           | ET-EMW500                 | 0.950-1.36:1  | 16:10        | $L=0.8185 \times SD - 0.0509$   | $L=1.1760 \times SD - 0.0500$ |
|           |                           | 0.950-1.36:1  | 16:9         | $L=0.8413 \times SD - 0.0509$   | $L=1.2087 \times SD - 0.0500$ |
|           |                           | 1.14-1.63:1   | 4:3          | $L=0.9266 \times SD - 0.0509$   | $L=1.3313 \times SD - 0.0500$ |
|           | ET-EMT700                 | 2.10-4.14:1   | 16:10        | $L=1.8007 \times SD - 0.1082$   | $L=3.5693 \times SD - 0.1046$ |
|           |                           | 2.10-4.15:1   | 16:9         | $L=1.8508 \times SD - 0.1082$   | $L=3.6685 \times SD - 0.1046$ |
|           |                           | 2.50-4.97:1   | 4:3          | $L=2.0385 \times SD - 0.1082$   | $L=4.0407 \times SD - 0.1046$ |
|           | ET-EMT800                 | 4.14-7.40:1   | 16:10        | $L=3.3441 \times SD + 0.3209$   | $L=6.1906 \times SD + 0.2998$ |
|           |                           | 4.12-7.40:1   | 16:9         | $L=3.4371 \times SD + 0.3209$   | $L=6.3627 \times SD + 0.2998$ |
|           |                           | 4.93-8.70:1   | 4:3          | $L=3.7858 \times SD + 0.3209$   | $L=7.0082 \times SD + 0.2998$ |

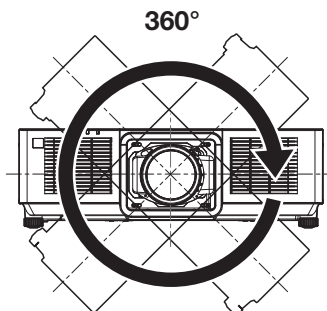
**Installable angle**

Install the projector at an angle within the range shown below.

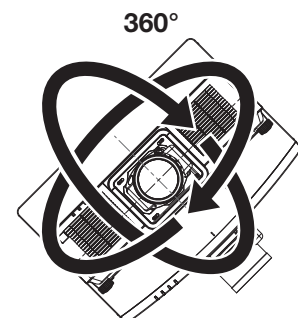
**FULL 360-degree projection**



Vertical 360-deg.



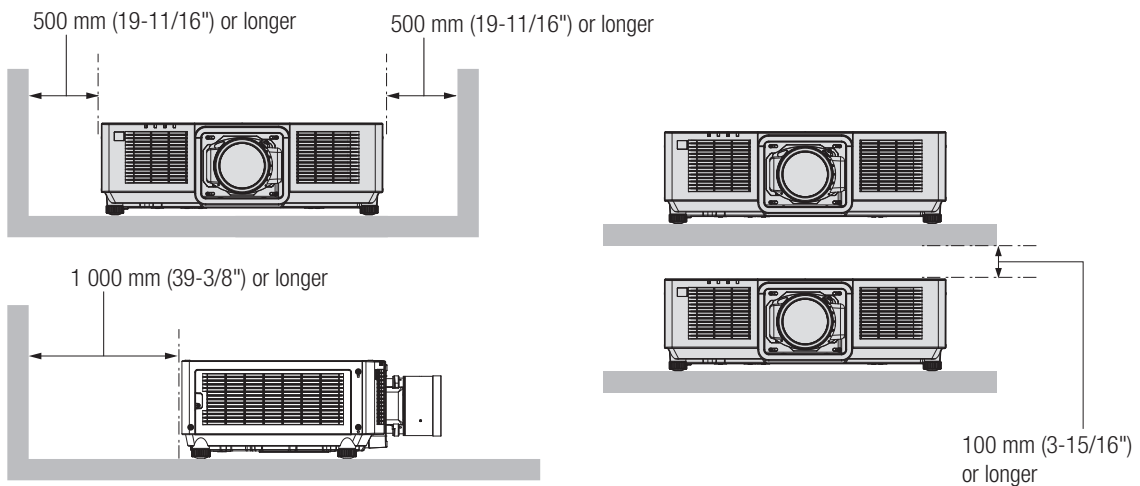
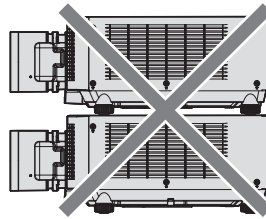
Horizontal 360-deg.



Tilting 360-deg.  
(V&H combination)

**Notes on projector placement and operation**

1. Never place objects on top of the projector while it is operating.
2. Make sure there is the unobstructed space as shown below or more around the projector's exhaust openings. In addition to this space, also ensure that there is a sufficient work space for removing and installing filter and other parts.
3. Make sure that nothing blocks the projector's air intake and exhaust openings. Also, install the projector so that cool or hot air from other air conditioning equipment does not flow directly toward the projector's air intake or exhaust openings.
4. Do not install the projector in an enclosed space. If it is necessary to install it in an enclosed space, add a separate ventilation system. If ventilation is insufficient, hot air will accumulate at the intake opening. This may cause the projector's protective circuit to interrupt projector operation.



List of compatible signals

The following table specifies the video signals compatible with the projector. For details of SDI signal, refer to “List of single link SDI compatible signals”.

This projector supports the signal with ✓ in the compatible signal column.

• The content of the compatible signal column is as follows.

-RGB:RGB input -DVI-D:DVI-D input -HDMI:HDMI input -DIGITAL LINK:DIGITAL LINK input

| Signal name<br>(SIGNAL FORMAT) | Resolution<br>(Dots)        | Scanning freq.      |                    | Dot clock freq.<br>(MHz) | Compatible signal |       |                 |                 |
|--------------------------------|-----------------------------|---------------------|--------------------|--------------------------|-------------------|-------|-----------------|-----------------|
|                                |                             | Horizontal<br>(kHz) | Vertical<br>(Hz)   |                          | RGB               | DVI-D | HDMI            | DIGITAL LINK    |
| 480/60p                        | 720 x 480                   | 31.5                | 59.9               | 27.0                     | ✓                 | ✓     | ✓               | ✓               |
| 576/50p                        | 720 x 576                   | 31.3                | 50.0               | 27.0                     | ✓                 | ✓     | ✓               | ✓               |
| 720/60p                        | 1 280 x 720                 | 45.0                | 60.0 <sup>*1</sup> | 74.3                     | ✓                 | ✓     | ✓               | ✓               |
| 720/50p                        | 1 280 x 720                 | 37.5                | 50.0               | 74.3                     | ✓                 | ✓     | ✓               | ✓               |
| 1080/60i                       | 1 920 x 1 080i              | 33.8                | 60.0 <sup>*1</sup> | 74.3                     | ✓                 | ✓     | ✓               | ✓               |
| 1080/50i                       | 1 920 x 1 080i              | 28.1                | 50.0               | 74.3                     | ✓                 | ✓     | ✓               | ✓               |
| 1080/24p                       | 1 920 x 1 080               | 27.0                | 24.0 <sup>*1</sup> | 74.3                     | ✓                 | ✓     | ✓               | ✓               |
| 1080/24sF                      | 1 920 x 1 080i              | 27.0                | 48.0 <sup>*1</sup> | 74.3                     | ✓                 | ✓     | ✓               | ✓               |
| 1080/25p                       | 1 920 x 1 080               | 28.1                | 25.0               | 74.3                     | ✓                 | ✓     | ✓               | ✓               |
| 1080/30p                       | 1 920 x 1 080               | 33.8                | 30.0 <sup>*1</sup> | 74.3                     | ✓                 | ✓     | ✓               | ✓               |
| 1080/60p                       | 1 920 x 1 080               | 67.5                | 60.0 <sup>*1</sup> | 148.5                    | ✓                 | ✓     | ✓               | ✓               |
| 1080/50p                       | 1 920 x 1 080               | 56.3                | 50.0               | 148.5                    | ✓                 | ✓     | ✓               | ✓               |
| 3840 x 2160/24p                | 3 840 x 2 160               | 54.0                | 24.0 <sup>*1</sup> | 297.0                    | -                 | -     | ✓               | ✓               |
| 3840 x 2160/25p                | 3 840 x 2 160               | 56.3                | 25.0               | 297.0                    | -                 | -     | ✓               | ✓               |
| 3840 x 2160/30p                | 3 840 x 2 160               | 67.5                | 30.0 <sup>*1</sup> | 297.0                    | -                 | -     | ✓               | ✓               |
| 3840 x 2160/60p                | 3 840 x 2 160               | 135.0               | 60.0 <sup>*1</sup> | 297.0                    | -                 | -     | ✓ <sup>*2</sup> | ✓ <sup>*2</sup> |
|                                | 3 840 x 2 160               | 135.0               | 60.0 <sup>*1</sup> | 594.0                    | -                 | -     | ✓               | -               |
| 3840 x 2160/50p                | 3 840 x 2 160               | 112.5               | 50.0               | 297.0                    | -                 | -     | ✓ <sup>*2</sup> | ✓ <sup>*2</sup> |
|                                | 3 840 x 2 160               | 112.5               | 50.0               | 594.0                    | -                 | -     | ✓               | -               |
| 4096 x 2160/24p                | 4 096 x 2 160               | 54.0                | 24.0 <sup>*1</sup> | 297.0                    | -                 | -     | ✓               | ✓               |
| 4096 x 2160/25p                | 4 096 x 2 160               | 56.3                | 25.0               | 297.0                    | -                 | -     | ✓               | ✓               |
| 4096 x 2160/30p                | 4 096 x 2 160               | 67.5                | 30.0 <sup>*1</sup> | 297.0                    | -                 | -     | ✓               | ✓               |
| 4096 x 2160/60p                | 4 096 x 2 160               | 135.0               | 60.0 <sup>*1</sup> | 297.0                    | -                 | -     | ✓ <sup>*2</sup> | ✓ <sup>*2</sup> |
|                                | 4 096 x 2 160               | 135.0               | 60.0 <sup>*1</sup> | 594.0                    | -                 | -     | ✓               | -               |
| 4096 x 2160/50p                | 4 096 x 2 160               | 112.5               | 50.0               | 297.0                    | -                 | -     | ✓ <sup>*2</sup> | ✓ <sup>*2</sup> |
|                                | 4 096 x 2 160               | 112.5               | 50.0               | 594.0                    | -                 | -     | ✓               | -               |
| 640 x 480/60                   | 640 x 480                   | 31.5                | 59.9               | 25.2                     | ✓                 | ✓     | ✓               | ✓               |
| 1024 x 768/50                  | 1 024 x 768                 | 39.6                | 50.0               | 51.9                     | ✓                 | ✓     | ✓               | ✓               |
| 1024 x 768/60                  | 1 024 x 768                 | 48.4                | 60.0               | 65.0                     | ✓                 | ✓     | ✓               | ✓               |
| 1280 x 800/50                  | 1 280 x 800                 | 41.3                | 50.0               | 68.0                     | ✓                 | ✓     | ✓               | ✓               |
| 1280 x 800/60                  | 1 280 x 800                 | 49.7                | 59.8               | 83.5                     | ✓                 | ✓     | ✓               | ✓               |
| 1280 x 1024/50                 | 1 280 x 1 024               | 52.4                | 50.0               | 88.0                     | ✓                 | ✓     | ✓               | ✓               |
| 1280 x 1024/60                 | 1 280 x 1 024               | 64.0                | 60.0               | 108.0                    | ✓                 | ✓     | ✓               | ✓               |
| 1366 x 768/50                  | 1 366 x 768                 | 39.6                | 49.9               | 69.0                     | ✓                 | ✓     | ✓               | ✓               |
| 1366 x 768/60                  | 1 366 x 768                 | 47.7                | 59.8               | 85.5                     | ✓                 | ✓     | ✓               | ✓               |
| 1400 x 1050/50                 | 1 400 x 1 050               | 54.1                | 50.0               | 99.9                     | ✓                 | ✓     | ✓               | ✓               |
| 1400 x 1050/60                 | 1 400 x 1 050               | 65.2                | 60.0               | 122.6                    | ✓                 | ✓     | ✓               | ✓               |
| 1440 x 900/50                  | 1 440 x 900                 | 46.3                | 49.9               | 86.8                     | ✓                 | ✓     | ✓               | ✓               |
| 1440 x 900/60                  | 1 440 x 900                 | 55.9                | 59.9               | 106.5                    | ✓                 | ✓     | ✓               | ✓               |
| 1600 x 900/50                  | 1 600 x 900                 | 46.4                | 49.9               | 96.5                     | ✓                 | ✓     | ✓               | ✓               |
| 1600 x 900/60                  | 1 600 x 900                 | 55.9                | 60.0               | 119.0                    | ✓                 | ✓     | ✓               | ✓               |
| 1600 x 1200/50                 | 1 600 x 1 200               | 61.8                | 49.9               | 131.5                    | ✓                 | ✓     | ✓               | ✓               |
| 1600 x 1200/60                 | 1 600 x 1 200               | 75.0                | 60.0               | 162.0                    | ✓                 | ✓     | ✓               | ✓               |
| 1680 x 1050/50                 | 1 680 x 1 050               | 54.1                | 50.0               | 119.5                    | ✓                 | ✓     | ✓               | ✓               |
| 1680 x 1050/60                 | 1 680 x 1 050               | 65.3                | 60.0               | 146.3                    | ✓                 | ✓     | ✓               | ✓               |
| 1920 x 1200/50                 | 1 920 x 1 200               | 61.8                | 49.9               | 158.3                    | ✓                 | ✓     | ✓               | ✓               |
| 1920 x 1200/60RB               | 1 920 x 1 200 <sup>*3</sup> | 74.0                | 60.0               | 154.0                    | ✓                 | ✓     | ✓               | ✓               |

\*1 The signal with 1/1.001x vertical scanning frequency is also supported.

\*2 YPbPr 4:2:0 format only

\*3 VESA CVT-RB (Reduced Blanking)-compliant

Note

- A signal with a different resolution is converted to the number of display dots. The number of display dots is 1 920 x 1 200.
- The “i” at the end of the resolution indicates an interlaced signal.
- When interlaced signals are connected, flickering may occur on the projected image.
- When the DIGITAL LINK connection is made with the long-reach communication method, the signal that the projector can receive is up to 1080/60p (1 920 x 1 080 dots, dot clock frequency 148.5 MHz).
- Even if it is the signal listed in the list of compatible signals, it may not be displayed by the projector if the video signal is recorded in a special format.

List of plug and play compatible signals

The following table specifies the video signals compatible with plug and play.

Signal with ✓ in the plug and play compatible signal column is the signal described in the EDID (extended display identification data) of the projector.

For the signal without ✓ in the plug and play compatible signal column, the resolution may not be selected on the computer even if the projector is supporting it.

• Input corresponding to each item in the plug and play signal column is as follows.

-RGB:RGB input    -DVI-D:DVI-D input    -HDMI:HDMI input    -DIGITAL LINK:DIGITAL LINK input

| Signal name<br>(SIGNAL FORMAT) | Resolution<br>(Dots)       | Scanning freq.      |                   | Dot clock<br>freq.<br>(MHz) | Plug and play compatible signal |       |       |       |                 |        |    |                 |        |    |   |
|--------------------------------|----------------------------|---------------------|-------------------|-----------------------------|---------------------------------|-------|-------|-------|-----------------|--------|----|-----------------|--------|----|---|
|                                |                            | Horizontal<br>(kHz) | Vertical<br>(Hz)  |                             | RGB                             | DVI-D |       |       | HDMI            |        |    | DIGITAL LINK    |        |    |   |
|                                |                            |                     |                   |                             |                                 | EDID1 | EDID2 | EDID3 | 4K/60p          | 4K/30p | 2K | 4K/60p          | 4K/30p | 2K |   |
| 480/60p                        | 720 x 480                  | 31.5                | 59.9              | 27.0                        | -                               | ✓     | -     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 576/50p                        | 720 x 576                  | 31.3                | 50.0              | 27.0                        | -                               | ✓     | -     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 720/60p                        | 1 280 x 720                | 45.0                | 60.0 <sup>1</sup> | 74.3                        | -                               | ✓     | -     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 720/50p                        | 1 280 x 720                | 37.5                | 50.0              | 74.3                        | -                               | ✓     | -     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 1080/60i                       | 1 920 x 1 080i             | 33.8                | 60.0 <sup>1</sup> | 74.3                        | -                               | ✓     | -     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 1080/50i                       | 1 920 x 1 080i             | 28.1                | 50.0              | 74.3                        | -                               | ✓     | -     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 1080/24p                       | 1 920 x 1 080              | 27.0                | 24.0 <sup>1</sup> | 74.3                        | -                               | ✓     | -     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 1080/24sF                      | 1 920 x 1 080i             | 27.0                | 48.0 <sup>1</sup> | 74.3                        | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1080/25p                       | 1 920 x 1 080              | 28.1                | 25.0              | 74.3                        | -                               | ✓     | -     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 1080/30p                       | 1 920 x 1 080              | 33.8                | 30.0 <sup>1</sup> | 74.3                        | -                               | ✓     | -     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 1080/60p                       | 1 920 x 1 080              | 67.5                | 60.0 <sup>1</sup> | 148.5                       | -                               | ✓     | -     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 1080/50p                       | 1 920 x 1 080              | 56.3                | 50.0              | 148.5                       | -                               | ✓     | -     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 3840 x 2160/24p                | 3 840 x 2 160              | 54.0                | 24.0 <sup>1</sup> | 297.0                       | -                               | -     | -     | -     | ✓               | ✓      | -  | ✓               | ✓      | -  | - |
| 3840 x 2160/25p                | 3 840 x 2 160              | 56.3                | 25.0              | 297.0                       | -                               | -     | -     | -     | ✓               | ✓      | -  | ✓               | ✓      | -  | - |
| 3840 x 2160/30p                | 3 840 x 2 160              | 67.5                | 30.0 <sup>1</sup> | 297.0                       | -                               | -     | -     | -     | ✓               | ✓      | -  | ✓               | ✓      | -  | - |
| 3840 x 2160/60p                | 3 840 x 2 160              | 135.0               | 60.0 <sup>1</sup> | 297.0                       | -                               | -     | -     | -     | ✓ <sup>*2</sup> | -      | -  | ✓ <sup>*2</sup> | -      | -  | - |
|                                | 3 840 x 2 160              | 135.0               | 60.0 <sup>1</sup> | 594.0                       | -                               | -     | -     | -     | ✓               | -      | -  | -               | -      | -  | - |
| 3840 x 2160/50p                | 3 840 x 2 160              | 112.5               | 50.0              | 297.0                       | -                               | -     | -     | -     | ✓ <sup>*2</sup> | -      | -  | ✓ <sup>*2</sup> | -      | -  | - |
|                                | 3 840 x 2 160              | 112.5               | 50.0              | 594.0                       | -                               | -     | -     | -     | ✓               | -      | -  | -               | -      | -  | - |
| 4096 x 2160/24p                | 4 096 x 2 160              | 54.0                | 24.0 <sup>1</sup> | 297.0                       | -                               | -     | -     | -     | ✓               | ✓      | -  | ✓               | ✓      | -  | - |
| 4096 x 2160/25p                | 4 096 x 2 160              | 56.3                | 25.0              | 297.0                       | -                               | -     | -     | -     | ✓               | ✓      | -  | ✓               | ✓      | -  | - |
| 4096 x 2160/30p                | 4 096 x 2 160              | 67.5                | 30.0 <sup>1</sup> | 297.0                       | -                               | -     | -     | -     | ✓               | ✓      | -  | ✓               | ✓      | -  | - |
| 4096 x 2160/60p                | 4 096 x 2 160              | 135.0               | 60.0 <sup>1</sup> | 297.0                       | -                               | -     | -     | -     | ✓ <sup>*2</sup> | -      | -  | ✓ <sup>*2</sup> | -      | -  | - |
|                                | 4 096 x 2 160              | 135.0               | 60.0 <sup>1</sup> | 594.0                       | -                               | -     | -     | -     | ✓               | -      | -  | -               | -      | -  | - |
| 4096 x 2160/50p                | 4 096 x 2 160              | 112.5               | 50.0              | 297.0                       | -                               | -     | -     | -     | ✓ <sup>*2</sup> | -      | -  | ✓ <sup>*2</sup> | -      | -  | - |
|                                | 4 096 x 2 160              | 112.5               | 50.0              | 594.0                       | -                               | -     | -     | -     | ✓               | -      | -  | -               | -      | -  | - |
| 640 x 480/60                   | 640 x 480                  | 31.5                | 59.9              | 25.2                        | ✓                               | ✓     | ✓     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 1024 x 768/50                  | 1 024 x 768                | 39.6                | 50.0              | 51.9                        | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1024 x 768/60                  | 1 024 x 768                | 48.4                | 60.0              | 65.0                        | ✓                               | ✓     | ✓     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 1280 x 800/50                  | 1 280 x 800                | 41.3                | 50.0              | 68.0                        | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1280 x 800/60                  | 1 280 x 800                | 49.7                | 59.8              | 83.5                        | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1280 x 1024/50                 | 1 280 x 1 024              | 52.4                | 50.0              | 88.0                        | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1280 x 1024/60                 | 1 280 x 1 024              | 64.0                | 60.0              | 108.0                       | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1366 x 768/50                  | 1 366 x 768                | 39.6                | 49.9              | 69.0                        | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1366 x 768/60                  | 1 366 x 768                | 47.7                | 59.8              | 85.5                        | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1400 x 1050/50                 | 1 400 x 1 050              | 54.1                | 50.0              | 99.9                        | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1400 x 1050/60                 | 1 400 x 1 050              | 65.2                | 60.0              | 122.6                       | ✓                               | -     | ✓     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 1440 x 900/50                  | 1 440 x 900                | 46.3                | 49.9              | 86.8                        | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1440 x 900/60                  | 1 440 x 900                | 55.9                | 59.9              | 106.5                       | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1600 x 900/50                  | 1 600 x 900                | 46.4                | 49.9              | 96.5                        | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1600 x 900/60                  | 1 600 x 900                | 55.9                | 60.0              | 119.0                       | ✓                               | -     | ✓     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 1600 x 1200/50                 | 1 600 x 1 200              | 61.8                | 49.9              | 131.5                       | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1600 x 1200/60                 | 1 600 x 1 200              | 75.0                | 60.0              | 162.0                       | ✓                               | -     | ✓     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |
| 1680 x 1050/50                 | 1 680 x 1 050              | 54.1                | 50.0              | 119.5                       | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1680 x 1050/60                 | 1 680 x 1 050              | 65.3                | 60.0              | 146.3                       | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1920 x 1200/50                 | 1 920 x 1 200              | 61.8                | 49.9              | 158.3                       | -                               | -     | -     | -     | -               | -      | -  | -               | -      | -  | - |
| 1920 x 1200/60RB               | 1 920 x 1 200 <sup>3</sup> | 74.0                | 60.0              | 154.0                       | ✓                               | -     | ✓     | ✓     | ✓               | ✓      | ✓  | ✓               | ✓      | ✓  | ✓ |

\*1 The signal with 1/1.001x vertical scanning frequency is also supported.

\*2 YPbPr 4:2:0 format only

\*3 VESA CVT-RB (Reduced Blanking)-compliant

Note

- A signal with a different resolution is converted to the number of display dots. The number of display dots is 1 920 x 1 200.
- The "i" at the end of the resolution indicates an interlaced signal.
- When interlaced signals are connected, flickering may occur on the projected image.
- When the DIGITAL LINK connection is made with the long-reach communication method, the signal that the projector can receive is up to 1080/60p (1 920 x 1 080 dots, dot clock frequency 148.5 MHz).
- Even if it is the signal listed in the list of compatible signals, it may not be displayed by the projector if the video signal is recorded in a special format.

List of single link SDI compatible signals

The following table specifies the single link SDI signals that the projector can project.

| Signal name<br>(SIGNAL FORMAT) | Resolution<br>(Dots) | Scanning freq.      |                    | Dot clock<br>freq.<br>(MHz) | Format         | Color format | Sampling    |
|--------------------------------|----------------------|---------------------|--------------------|-----------------------------|----------------|--------------|-------------|
|                                |                      | Horizontal<br>(kHz) | Vertical<br>(Hz)   |                             |                |              |             |
| 720/60p                        | 1 280 x 720          | 45.0                | 60.0 <sup>*1</sup> | 74.3                        | HD-SDI         | YPbPr        | 4:2:2 10bit |
| 720/50p                        | 1 280 x 720          | 37.5                | 50.0               | 74.3                        | HD-SDI         | YPbPr        | 4:2:2 10bit |
| 1080/60i                       | 1 920 x 1 080i       | 33.8                | 60.0 <sup>*1</sup> | 74.3                        | HD-SDI         | YPbPr        | 4:2:2 10bit |
|                                | 1 920 x 1 080i       | 33.8                | 60.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|                                | 1 920 x 1 080i       | 33.8                | 60.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 10bit |
|                                | 1 920 x 1 080i       | 33.8                | 60.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|                                | 1 920 x 1 080i       | 33.8                | 60.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 12bit |
| 1080/50i                       | 1 920 x 1 080i       | 28.1                | 50.0               | 74.3                        | HD-SDI         | YPbPr        | 4:2:2 10bit |
|                                | 1 920 x 1 080i       | 28.1                | 50.0               | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|                                | 1 920 x 1 080i       | 28.1                | 50.0               | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 10bit |
|                                | 1 920 x 1 080i       | 28.1                | 50.0               | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|                                | 1 920 x 1 080i       | 28.1                | 50.0               | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 12bit |
| 1080/24p                       | 1 920 x 1 080        | 27.0                | 24.0 <sup>*1</sup> | 74.3                        | HD-SDI         | YPbPr        | 4:2:2 10bit |
|                                | 1 920 x 1 080        | 27.0                | 24.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|                                | 1 920 x 1 080        | 27.0                | 24.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 10bit |
|                                | 1 920 x 1 080        | 27.0                | 24.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|                                | 1 920 x 1 080        | 27.0                | 24.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 12bit |
| 1080/24sF                      | 1 920 x 1 080i       | 27.0                | 48.0 <sup>*1</sup> | 74.3                        | HD-SDI         | YPbPr        | 4:2:2 10bit |
|                                | 1 920 x 1 080i       | 27.0                | 48.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|                                | 1 920 x 1 080i       | 27.0                | 48.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 10bit |
|                                | 1 920 x 1 080i       | 27.0                | 48.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|                                | 1 920 x 1 080i       | 27.0                | 48.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 12bit |
| 1080/25p                       | 1 920 x 1 080        | 28.1                | 25.0               | 74.3                        | HD-SDI         | YPbPr        | 4:2:2 10bit |
|                                | 1 920 x 1 080        | 28.1                | 25.0               | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|                                | 1 920 x 1 080        | 28.1                | 25.0               | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 10bit |
|                                | 1 920 x 1 080        | 28.1                | 25.0               | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|                                | 1 920 x 1 080        | 28.1                | 25.0               | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 12bit |
| 1080/30p                       | 1 920 x 1 080        | 33.8                | 30.0 <sup>*1</sup> | 74.3                        | HD-SDI         | YPbPr        | 4:2:2 10bit |
|                                | 1 920 x 1 080        | 33.8                | 30.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|                                | 1 920 x 1 080        | 33.8                | 30.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 10bit |
|                                | 1 920 x 1 080        | 33.8                | 30.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|                                | 1 920 x 1 080        | 33.8                | 30.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 12bit |
| 1080/60p                       | 1 920 x 1 080        | 67.5                | 60.0 <sup>*1</sup> | 148.5                       | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|                                | 1 920 x 1 080        | 67.5                | 60.0 <sup>*1</sup> | 148.5                       | 3G-SDI Level-B | YPbPr        | 4:2:2 10bit |
| 1080/50p                       | 1 920 x 1 080        | 56.3                | 50.0               | 148.5                       | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|                                | 1 920 x 1 080        | 56.3                | 50.0               | 148.5                       | 3G-SDI Level-B | YPbPr        | 4:2:2 10bit |
| 2K/24p                         | 2 048 x 1 080        | 27.0                | 24.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|                                | 2 048 x 1 080        | 27.0                | 24.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 10bit |
|                                | 2 048 x 1 080        | 27.0                | 24.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|                                | 2 048 x 1 080        | 27.0                | 24.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 12bit |
| 2K/25p                         | 2 048 x 1 080        | 28.1                | 25.0               | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|                                | 2 048 x 1 080        | 28.1                | 25.0               | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 10bit |
|                                | 2 048 x 1 080        | 28.1                | 25.0               | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|                                | 2 048 x 1 080        | 28.1                | 25.0               | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 12bit |
| 2K/30p                         | 2 048 x 1 080        | 33.8                | 30.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 10bit |
|                                | 2 048 x 1 080        | 33.8                | 30.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 10bit |
|                                | 2 048 x 1 080        | 33.8                | 30.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-A | RGB          | 4:4:4 12bit |
|                                | 2 048 x 1 080        | 33.8                | 30.0 <sup>*1</sup> | 74.3                        | 3G-SDI Level-B | RGB          | 4:4:4 12bit |
| 2K/48p                         | 2 048 x 1 080        | 54.0                | 48.0 <sup>*1</sup> | 148.5                       | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|                                | 2 048 x 1 080        | 54.0                | 48.0 <sup>*1</sup> | 148.5                       | 3G-SDI Level-B | YPbPr        | 4:2:2 10bit |
| 2K/50p                         | 2 048 x 1 080        | 56.3                | 50.0               | 148.5                       | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|                                | 2 048 x 1 080        | 56.3                | 50.0               | 148.5                       | 3G-SDI Level-B | YPbPr        | 4:2:2 10bit |
| 2K/60p                         | 2 048 x 1 080        | 67.5                | 60.0 <sup>*1</sup> | 148.5                       | 3G-SDI Level-A | YPbPr        | 4:2:2 10bit |
|                                | 2 048 x 1 080        | 67.5                | 60.0 <sup>*1</sup> | 148.5                       | 3G-SDI Level-B | YPbPr        | 4:2:2 10bit |

\*1 The signal with 1/1.001x vertical scanning frequency is also supported.