Fixed wide lens for projector

MODEL AH-55301

OWNER'S MANUAL

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Printed in China
X8PPXX-CN-NM
English
### Picture size and projection distance chart

#### Side View

- **Lens center**
- **Screen**
- **Center of screen**
- **Upper lens shift position** (High mount setup)
- **Lower lens shift position** (Desktop setup)

#### Top View

- **Screen**
- **Center of screen**
- **Upper lens shift position**
- **Lower lens shift position**

#### 16:10 Signal Input (Normal Mode)

<table>
<thead>
<tr>
<th>Picture (Screen) size</th>
<th>Projection distance</th>
<th>Distance from the lens center to the bottom of the image [H]</th>
<th>Distance from the lens center to the center of the image [L]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>Height</td>
<td>L (in)</td>
<td>H1 (in)</td>
</tr>
<tr>
<td>60''</td>
<td>108 cm</td>
<td>1.8 m</td>
<td>–1.097</td>
</tr>
<tr>
<td>70''</td>
<td>135 cm</td>
<td>2.1 m</td>
<td>–1.317</td>
</tr>
<tr>
<td>80''</td>
<td>162 cm</td>
<td>2.4 m</td>
<td>–1.646</td>
</tr>
<tr>
<td>90''</td>
<td>188 cm</td>
<td>3.0 m</td>
<td>–1.163</td>
</tr>
<tr>
<td>100''</td>
<td>215 cm</td>
<td>3.6 m</td>
<td>–1.933</td>
</tr>
</tbody>
</table>

#### 4:3 Signal Input (Normal Mode)

<table>
<thead>
<tr>
<th>Picture (Screen) size</th>
<th>Projection distance</th>
<th>Distance from the lens center to the bottom of the image [H]</th>
<th>Distance from the lens center to the center of the image [L]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>Height</td>
<td>L (in)</td>
<td>H1 (in)</td>
</tr>
<tr>
<td>60''</td>
<td>45 cm</td>
<td>1.6 m</td>
<td>–2.26</td>
</tr>
<tr>
<td>70''</td>
<td>60 cm</td>
<td>1.9 m</td>
<td>–2.52</td>
</tr>
<tr>
<td>80''</td>
<td>75 cm</td>
<td>2.4 m</td>
<td>–3.04</td>
</tr>
<tr>
<td>90''</td>
<td>90 cm</td>
<td>3.0 m</td>
<td>–3.56</td>
</tr>
<tr>
<td>100''</td>
<td>108 cm</td>
<td>3.6 m</td>
<td>–4.08</td>
</tr>
</tbody>
</table>

### Adjust the picture size and focus

Refer to “Image Projection” in the projector owner’s manual for information on adjusting the focus and picture size.

### Handling Precautions

- **Do not disassemble this lens.**
- **Do not touch any glass or protruding part of the lens.**
- **Handling Precautions**

- **Do not use a commercial air blower or lens cleaning paper (used in cleaning glasses and cameras).**
- **Do not touch any glass or protruding part of the lens.**
- **Do not touch any glass or protruding part of the lens.**

- **Touching any other internal part could cause personal injury or machine malfunction.**

- **Fixing the projector**

- **When cleaning the lens be sure to use a commercial air blower or lens cleaning paper (used in cleaning glasses and cameras).**
- **Do not touch any glass or protruding part of the lens.**
- **Do not touch any glass or protruding part of the lens.**

- **Do not apply any kind of pressure or force to the lens.**

- **When the distance from the lens center to the bottom of the image [H] is a negative number, this indicates that the bottom of the image is below the lens center.**

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>AH-55301</td>
</tr>
<tr>
<td>Picture size (diagonal)</td>
<td>60&quot; to 230&quot; (16:10)</td>
</tr>
<tr>
<td>Focal length</td>
<td>17.1 mm (0.68&quot;)</td>
</tr>
<tr>
<td>F no.</td>
<td>2.5</td>
</tr>
<tr>
<td>Throw ratio</td>
<td>1:1.2</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 1,935 g (4.3 lbs.)</td>
</tr>
<tr>
<td>Depth of projector with the lens attached</td>
<td>685 mm (26 3/4&quot;)</td>
</tr>
</tbody>
</table>

### Note

- Allow a margin of error in the value in the diagrams above.
- When the distance from the lens center to the bottom of the image [H] is a negative number, this indicates that the bottom of the image is below the lens center.