

Resolution: 2K (2048x1080)
 Aspect Ratio: 17:9
 Aperture: 1.459496

Screen Dimensions.

| | | | | | | | | | |
|----|-----|------|-----|-----|-----|-------|------|------|------|
| H' | 3.2 | 3.90 | 5.3 | 6.3 | 7.4 | 9 | 10.5 | 12.7 | 15.8 |
| W' | 6 | 7.37 | 10 | 12 | 14 | 17.07 | 20 | 24 | 30 |
| D" | 82 | 100 | 136 | 163 | 190 | 232 | 271 | 326 | 407 |

| EIKI Part No. | Ref. | T/W | Diagonal | Shift/Limits | Auxiliary Lenses | Xtend | EFL | Throw (Distance to Screen) in feet. | | | | | | | | | | | |
|--------------------------|-----------------|--------------|----------------------|--------------------------------------|--|------------------|---------------|-------------------------------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--|--|--|
| *AH-32021 or 2 | (W03/E) | 0.80 | Min: 40 Max: 600 | V: 1:1 (on axis) H: 1:1 (on axis) | 1.18" Manual, Fixed (30.0mm) f:2.6 | 2.17" 55 mm | 1.17 | 4.8 | 5.9 | 8.0 | 9.6 | 11.2 | 13.7 | 16.0 | 19.2 | 24.0 | | | |
| *AH-32601 | W06 | 1.20 1.50 | Min: 40 Max: 600 | V: 8:1 ~ 1:8 H: 1:1 (on axis) | 1.77~2.25" Power, Zoom (45~57 mm) f:2.3~2.8 | 2.54" 64.5 mm | 1.75 2.20 | 7.2 9.0 | 8.8 11.1 | 12.0 15.1 | 14.4 18.1 | 16.8 21.1 | 20.5 25.7 | 24.0 30.1 | 28.8 36.2 | - | | | |
| *AH-21202 (*AH-21201) | (W02Z) (W02) | 1.40 1.80 | Min: 40 Max: 600 | V: 8:1 ~ 1:8 H: 3:2 ~ 2:3 | 2.06~2.67" Power, Zoom (52.2~67.9 mm) f:2.53~2.95 | 0.58" 14.5 mm | 2.04 2.62 | 8.4 10.8 | 10.3 13.2 | 14.0 18.0 | 16.8 21.5 | 19.6 25.1 | 23.9 30.6 | 28.0 35.9 | 33.5 43.1 | 41.9 53.9 | | | |
| *AH-32401 | W04 | 1.50 2.00 | Min: 30 Max: 500 | V: 8:1 ~ 1:8 H: 1:1 (on axis) | 2.28~2.99" Power, Zoom (58~76 mm) f:1.7~2.3 | 1.57" 40mm | 2.20 2.95 | 9.0 12.1 | 11.1 14.9 | 15.1 20.2 | 18.1 24.3 | 21.1 28.3 | 25.7 34.5 | 30.1 40.4 | 36.2 48.5 | 45.2 | | | |
| ***0001-4297 | (125) | 1.80 3.40 | Min: ∞ Max: ∞ | V: 8:1 ~ 1:8 TBA | 2.75~5.0" Manual, Zoom (70.7~125mm) f:2.0 | TBA | 2.62 4.96 | 10.8 20.4 | 13.2 25.1 | 18.0 34.0 | 21.5 41 | 25.1 48 | 30.6 58 | 36 68 | 43 82 | 54 102 | | | |
| ***0001-4260 | (537) | 3.08 5.29 | Min: ∞ Max: ∞ | V: 8:1 ~ 1:8 TBA | 4.49~7.72" Manual, Zoom (114~196mm) f:2.0 | TBA | 4.49 7.72 | 18.5 31.7 | 22.7 39.0 | 30.8 52.9 | 36.9 64 | 43.1 74 | 52.5 90 | 62 106 | 74 127 | 92 159 | | | |
| ***0001-4261 | (151) | 4.97 8.48 | Min: ∞ Max: ∞ | V: 8:1 ~ 1:8 TBA | 7.25~12.38" Manual, Zoom (184~314mm) f:2.8 | TBA | 7.25 12.38 | 29.8 50.9 | 36.6 62.5 | 49.7 84.8 | 59.6 102 | 69.5 119 | 84.8 145 | 99 170 | 119 204 | 149 255 | | | |
| *AH-21401 | (S04) | 2.00 2.60 | Min: 60 Max: 600 | V: 10:0 ~ 0:10 H: 3:2 ~ 2:3 | 2.99~3.86" Power, Zoom (76~98 mm) f:2.0~2.6 | 0.27" 7mm | 2.96 3.81 | 12.2 15.7 | 14.9 19.2 | 20.3 26.1 | 24.3 31.3 | 28.4 36.5 | 34.6 44.6 | 40.6 52.2 | 49 63 | 61 78 | | | |
| *AH-22051 | (S03) | 2.60 3.50 | Min: 100 Max: 600 | V: 8:1 ~ 1:8 H: 3:2 ~ 2:3 | 3.82~5.16" Power, Zoom (97~131mm) f:1.7~2.7 | 2.92" 74 mm | 3.81 5.13 | - - | 19.2 25.9 | 26.1 35.1 | 31.3 42.2 | 36.5 49.2 | 44.6 60.0 | 52.2 70.3 | 62.7 84 | 78 105 | | | |
| *AH-22221 | (M02) | 3.40 4.50 | Min: 60 Max: 600 | V: 10:0 ~ 0:10 H: 3:2 ~ 2:3 | 4.92~6.38" Power, Zoom (125~162 mm) f:2.1~2.7 | | 4.955 6.57 | 20.4 27.0 | 25.0 33.2 | 34.0 45.0 | 40.7 54.0 | 47.5 63.0 | 57.9 76.8 | 67.9 90.0 | 82 108 | 102 135 | | | |
| *AH-21091 or 2 | (T02/E) | 4.40 6.20 | Min: 40 Max: 600 | V: 8:1 ~ 1:8 H: 3:2 ~ 2:3 | 6.22~8.7" Power, Zoom (158~221mm) f:2.0~2.8 | 2.8" 71mm | 6.42 9.07 | 26.4 37.3 | 32.4 45.8 | 44.0 62.1 | 52.8 74.6 | 61.6 87.0 | 75.1 106.1 | 88.0 124 | 106 149 | 132 186 | | | |
| *AH-32581 | (T03) | 6.30 9.00 | Min: 40 Max: 600 | V: 8:1 ~ 1:8 H: 3:2 ~ 2:3 | 8.82~12.8" Manual, Zoom (224mm~325mm) f:2.2~2.5 | 11.42" 290 mm | 9.19 13.13 | 37.8 54.0 | 46.4 66.3 | 63.0 90.0 | 75.6 108 | 88.2 126 | 108 154 | 126 180 | 151 216 | 189 270 | | | |

In Full HD Video Mode, 16:9 Source, Normal (default) Setting
 There is no scaling: picture is unmodified.
 Projected Image: 1920x1080 - full height, 64 black pixels left and right.

| | | | | | | | | | |
|----|------|-----|-----|------|------|------|------|------|------|
| H' | 3.2 | 3.9 | 5.3 | 6.3 | 7.4 | 9.0 | 10.5 | 12.7 | 15.8 |
| W' | 5.7 | 6.9 | 9.4 | 11.2 | 13.2 | 16.0 | 18.7 | 22.6 | 28.1 |
| D" | 78.3 | 96 | 130 | 154 | 181 | 220 | 257 | 311 | 387 |

In Standard Video Mode, 4:3 Source, Normal (default) Setting
 Signal is scaled proportionally to fit: maintains aspect ratio.
 Projected Image: 1440x1080 - full height, 304 black pixels left and right.

| | | | | | | | | | |
|----|------|-----|-----|-----|-----|------|------|------|------|
| H' | 3.2 | 3.9 | 5.3 | 6.3 | 7.4 | 9.0 | 10.5 | 12.7 | 15.8 |
| W' | 4.3 | 5.2 | 7.1 | 8.4 | 9.9 | 12.0 | 14.0 | 16.9 | 21.1 |
| D" | 64.0 | 78 | 106 | 126 | 148 | 180 | 210 | 254 | 316 |

* These lenses require adapter 610 353 1335 (LNA-01) one included with projector.
 ** These lenses require adapter 910 304 6229
 *** These lenses are supplied complete with adapter.

How to use the T/W column. If your screen size does not appear on this chart, use the T/W column to find the lens you need.
 Divide the Throw distance by the screen Width to get your "target T/W number". Then, look for a lens with a T/W range that covers it.

Xtend is calculated relative to cabinet: that is, excluding 3.031 in (77 mm) lens hood

Understanding Shift/Limits. The numbers in the Shift/Limits column express the projector positions possible as a ratio of the image heights
 Above:Below a line drawn perpendicular to the screen between the lens and the screen. 1:1 = center of the image. 10:0 = top of the image.

These charts are a simulation. Effective Focal Length (EFL) most accurately represents lens behavior, and drives the calculations..
 Calculations are from the front glass of the lens and accurate to approximately +/- 3.%. Specifications are subject to change without notice.

Note: The following lenses were NOT originally designed as High Definition lenses and could have soft focus when used with the LC-HDT1000 and LC-HDT2000:
 AH-21102 or AH-21101 (LNS-S02Z, LNS-S02)
 AH-21023, AH-21022, or AH-21021 (LNS-M01E, LNS-M01Z, LNS-M01). Use AH-22221 (LNS-M02) instead.