

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

Screen Dimensions.

Table with 2 rows and 10 columns showing screen dimensions in feet for various aspect ratios.

Main table with 17 rows and 15 columns detailing lens specifications: EIKI Part No., Ref., Throw, Diagonal, Shift/Limits, Auxiliary Lenses, EFL, and Throw (Distance to Screen) in feet.

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.

Small table showing screen dimensions for Full HD mode across different aspect ratios.

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.

Small table showing screen dimensions for Standard Video mode across different aspect ratios.

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.

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 are explicitly NOT recommended for use with the LC-HDT1000 and LC-HDT2000:
\* Do not use AH-21102 or AH-21101 (LNS-S02Z, LNS-S02): use AH-21401 (LNS-S04) instead.
\* Do not use AH-21023, AH-21022, or AH-21021 (LNS-M01E, LNS-M01Z, LNS-M01). Use AH-22221 (LNS-M02) instead.



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