

EIKI

Lenses for the LC-HDT700

Aug. 30 2011

Projector Specifications

Resolution: 1080p (1920x1080)
Aspect Ratio: (9 High by 16 Wide by 18.333 Diagonal)
Maximum Image Size: 43.6' W x 24.5' H (600"D)

Screen Dimensions.

H'	2	4.1	6.1	8.2	9	10.2	12.3	18.4	20.4	24.5
W'	3.64	7.27	10.9	14.5	16	18.2	21.8	32.7	36.3	43.6
D"	50	100	150	200	220	250	300	450	500	600

Factory Specifications						Description	Measurements and Calculations																
EIKI Part No.	Ref.	TR	Diagonal	Shift Range	Shift Ratio	Auxiliary Lenses	Xtend	Wt	T/W	Throw (Distance to Screen) in ft.													
AH-32013	W34	0.80	50~200"	V: 0% H: 0%	V: 1:1 on axis H: 1:1 on axis	0.88" Manual, Fixed (22.33 mm) f:2.3		3.7 lb 1.7 kg	0.84	3.1	6.1	9.2	12.2	13.4	15.3	18.3	-	-	-				
AH-23123	W33	1.30 1.80	50~600" 50~600"	V: +/-55% H: +/- 25%	V: 10:0~1:1 H: 3:2~2:3	1.35~1.99" Power, Zoom (34.3~48.0 mm) f:2.1~2.7		4.0 lb 1.84 kg	1.29 1.90	4.7 6.9	9.4 13.8	14.1 20.7	18.7 27.6	20.6 30.4	23.4 34.5	28.1 41.4	42.2 62.1	46.8 69.0	56.2 82.8				
AH-23082	S32	1.80 2.30	50~600" 50~600"	V: +/-55% H: +/- 25%	V: 10:0~1:1 H: 3:2~2:3	1.89~2.46" Power, Zoom (48.2~62.6 mm) f:1.7~2.1		3.7 lb 1.7 kg	1.80 2.35	6.6 8.5	13.1 17.1	19.7 25.6	26.2 34.1	28.9 37.6	32.8 42.7	39.3 51.2	59.0 76.8	65.5 85	78.7 102				
AH-23133	T34	2.30 4.20	50~600" 50~600"	V: +/-67.7% H: +/- 41.6%	V: 10:0~1:1 H: 3:2~2:3	2.49~4.38" Power, Zoom (63.5~111.5 mm) f:2.0~2.9		4.2 lb 1.9 kg	2.38 4.18	8.6 15.2	17.3 30.4	25.9 45.6	34.5 60.6	38 66.9	43.2 76	51.8 91	77.7 -	86 -	104 -				
AH-24241	T32	4.20 5.80	50~600" 50~600"	V: +/-67.7% H: +/- 41.6%	V: 10:0~1:1 H: 3:2~2:3	4.40~6.10" Power, Zoom (112~155 mm) f:2.3~3.2	6.0 in 153 mm	3.7 lb 1.7 kg	4.20 5.82	15.3 21.2	30.5 42.3	45.8 63.5	60.9 84.5	67.2 93.2	76.4 106	92 127	137 191	153 211	183 254				

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. The T/W (Throw/Width) column most accurately represents lens behavior, and reflects the calculations.

Legend. Ref = abbreviated factory part numbers. TR = factory published Throw Ratio. Xtend = distance lens protrudes from cabinet