

EIKI

LENSES FOR EK-512X

June 13, 2017.

Resolution: XGA (1024x768)
 Aspect Ratio: (4 : 3)

Screen Dimensions.

H'	2	5	6	8	9	11	12	16	15
W'	2.7	7.1	8.0	10.0	12.0	14.2	16.0	21.2	20.0
D"	40	106.1	120	150	180	212.2	240	318	300

Factory Specifications - Standard Lens			Measurements and Calculations									
EIKI Part No.	Diagonal	Shift Range	T/W	Throw (Distance to Screen) in feet.								
AH-E21010	Min: 40"	V: +/- 60%	1.5	4.0	10.6	12.0	15.0	18.0	21.2	24.0	31.7	30.0
	Max: 300"	H: +/- 30%	2.7	7.2	19.1	21.6	27.0	32.4	38.2	43.2	57.2	53.9

Factory Specifications - Auxiliary Lenses			Measurements and Calculations							
EIKI Part No.	Diagonal	Shift Range	T/W	Throw (Distance to Screen) in feet.						

AH-E22010 (on-axis)	Min: 40"	V: 0%	0.8	2.1	5.7	6.40	8.00	9.60	11.3	12.8	16.9	16.0
	Max: 300"	H: 0%										

AH-E22020	Min: 40"	V: +/- 60%	1.2	3.2	8.5	9.6	12.0	14.4	17.0	19.2	25.4	24.0
	Max: 300"	H: +/- 30%	1.5	4.0	10.7	12.1	15.1	18.2	21.4	24.2	32.1	30.3

AH-E23010	Min: 40"	V: +/- 60%	2.6	6.9	18.4	20.8	26.0	31.2	36.8	41.6	55.1	52.0
	Max: 300"	H: +/- 30%	4.4	11.8	31.2	35.3	44.1	53.0	62.4	70.6	93.6	88.3

AH-E23020	Min: 40"	V: +/- 60%	4.3	11.5	30.5	34.5	43.1	51.8	61.0	69.0	91.5	86.3
	Max: 300"	H: +/- 30%	7.4	19.7	52.4	59.2	74.0	88.8	104.7	118.3	156.8	147.9

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.

These tables are a simulation. They are the result of averaging and rounding. Lens performance is actually not linear, and non-mathematical: variations in behavior do occur.

Calculations are from the front glass of the lens and accurate to approximately +/- 5%. Specifications are subject to change without notice.

The term "**on-axis**" means the center of the projector lens must be lined up with the center of the screen.

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