

EIKI

LENSES FOR EK-502X

Apr. 29, 2016.

Resolution: XGA (1024x768)
 Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)
 Aperture:

Screen Dimensions.

H'	2	5	6	8	9	11	12	16	18
W'	2.7	7.1	8.0	10.0	12.0	14.2	16.0	21.2	24.0
D"	40	106.1	120	150	180	212.2	240	318	360

Factory Specifications - Standard Lens				Measurements and Calculations									
EIKI Part No.	Diagonal	Shift Range	Description	T/W	Throw (Distance to Screen) in feet.								
AH-E21010	Min: 40"	V: +/- 60%	0.94~1.70" Power, Zoom (24.0~43.2 mm) f:1.8~2.6	1.47	3.9	10.4	11.7	14.7	17.6	20.8	23.5	31.1	35.2
	Max: 300"	H: +/- 30%		2.65	7.1	18.8	21.2	26.5	31.8	37.5	42.4	56.2	63.6

Factory Specifications - Auxiliary Lenses				Measurements and Calculations									
EIKI Part No.	Diagonal	Shift Range	Description	T/W	Throw (Distance to Screen) in feet.								
AH-E22010 (on-axis)	Min: 40" Max: 300"	V: 0% H: 0%	0.48" Fixed (12.4 mm) f:1.8	0.78	2.1	5.5	6.20	7.80	9.30	11.0	12.5	16.5	18.7

AH-E22020	Min: 40"	V: +/- 60%	0.75~0.98" Power Zoom (19.3~24.9 mm) f:2.0~2.6	1.18	3.1	8.3	9.4	11.8	14.1	16.7	18.8	25.0	28.3
	Max: 300"	H: +/- 30%		1.57	4.2	11.1	12.5	15.7	18.8	22.2	25.1	33.2	37.6

AH-E23010	Min: 40"	V: +/- 60%	1.79~2.90" Power, Zoom (45.6~73.8 mm) f:2.2~2.8	2.56	6.8	18.1	20.5	25.6	30.7	36.2	40.9	54.2	61.4
	Max: 300"	H: +/- 30%		4.43	11.8	31.4	35.5	44.3	53.2	62.7	70.9	94.0	106.4

AH-E23020	Min: 40"	V: +/- 60%	2.76~4.70" Power, Zoom (70.3~119.5 mm) f:2.2~2.8	4.33	11.6	30.6	34.6	43.3	51.9	61.2	69.2	91.8	103.9
	Max: 300"	H: +/- 30%		7.38	19.7	52.2	59.0	73.8	88.5	104.4	118.0	156.4	177.0

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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