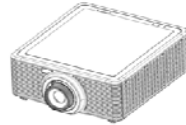


Eiki Lens Chart

LENSES FOR EK-620U

Dec. 5, 2016.

Resolution: WUXGA (1920x1200)
 Aspect Ratio: (10 High by 16 Wide by 18.87 Diagonal)
 Aperture: 0.568



Screen Dimensions.

H'	2.2	4.4	5.0	6.2	7.5	8.8	11.3	13.3
W'	3.5	7.1	8.0	10.0	12.0	14.2	18.0	21.2
D''	50	100	113	141	170	200	255	300

Factory Specifications - Standard Lens					Measurements and Calculations								
EIKI Part No.	Ref.	Diagonal	Shift Range	Description	T/R	Throw Distance to Screen in feet.							
AH-A22030*	A06	Min: 50"	V: +/- 50%	0.71~0.88" Power, Zoom (18.07~22.59 mm) f:2.0~2.3	1.22	4.3	8.6	9.7	12.2	14.6	17.2	21.9	25.8
		Max: 300"	H: +/- 15%		1.53	5.4	10.8	12.2	15.3	18.4	21.6	27.5	32.4

Factory Specifications - Auxiliary Lenses					Measurements and Calculations								
EIKI Part No.	Ref.	Diagonal	Shift Range	Description	T/R	Throw Distance to Screen in feet.							

AH-A22010A	A15	Min: 50"	V: +/- 50%	0.43~0.55" Power, Zoom (11.11~14.06 mm) f:2.3~2.53	0.75	2.7	5.3	6.0	7.5	9.0	10.7	13.6	16.0
		Max: 300"	H: +/- 15%		0.95	3.4	6.7	7.6	9.5	11.4	13.4	17.0	20.1

AH-A22020	A01	Min: 50"	V: +/- 50%	0.55~0.70" Power Zoom (14.03~17.96 mm) f:2.3~2.57	0.95	3.4	6.7	7.6	9.5	11.4	13.4	17.0	20.1
		Max: 300"	H: +/- 15%		1.22	4.3	8.6	9.7	12.2	14.6	17.2	21.9	25.8

AH-A21010	A03	Min: 50"	V: +/- 50%	0.88~1.68" Power, Zoom (22.56~42.87 mm) f:2.3~3.3	1.52	5.4	10.8	12.2	15.2	18.3	21.5	27.4	32.2
		Max: 300"	H: +/- 15%		2.92	10.3	20.7	23.4	29.2	35.1	41.4	52.6	62.0

AH-A23010	A13	Min: 50"	V: +/- 50%	1.67~3.18" Power, Zoom (42.60~80.90 mm) f:2.3~2.4	2.90	10.3	20.6	23.2	29.0	34.8	41.1	52.3	61.5
		Max: 300"	H: +/- 15%		5.50	19.5	38.9	44.0	55.0	66.0	77.8	99.0	116.6

AH-A22040**	A05	Min: 50"	V: +/- 50%	0.71~0.88" Power, Zoom (18.07~22.59 mm) f:2.0~2.3	1.22	4.3	8.6	9.7	12.2	14.6	17.2	21.9	25.8
		Max: 300"	H: +/- 15%		1.53	5.4	10.8	12.2	15.3	18.4	21.6	27.5	32.4

AH-A22050***	A06	Min: 50"	V: +/- 50%	0.71~0.88" Power, Zoom (18.07~22.59 mm) f:2.0~2.3	1.22	4.3	8.6	9.7	12.2	14.6	17.2	21.9	25.8
		Max: 300"	H: +/- 15%		1.53	5.4	10.8	12.2	15.3	18.4	21.6	27.5	144

- * Standard lens (47 line pair/mm)
- ** Superior Image Quality (67 line pair/mm)
- *** Heavy Duty Construction (67 line pair/mm)

How to use the T/R column. If your screen size does not appear on this chart, use the T/R column to find the lens you need.

Divide the Throw distance by the screen Width to get your "target T/R number". Then, look for a lens with a T/R 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 +/- 3%. Specifications are subject to change without notice.