

Resolution: XGA (1024x768)  
 Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)  
 Aperture: 0.64

Screen Dimensions.

H'	2	5	6	7.5	9	10.5	12	15
W'	2.67	6.67	8	10	12	14	16	20
D"	40	100	120	150	180	210	240	300

Factory Specifications - Standard Lens						Measurements and Calculations											
EIKI Part No.	Ref.	Diagonal	Shift Range	Shift Ratio	Description	Xtend	Wt	T/W	Throw (Distance to Screen) in feet.								
AH-24741 (645 101 1053)	S20	Min: 40" Max: 400"	V: +/- 50% H: +/- 10%	V: 10:0 ~ 0:10 H: 3:2 ~ 2:3	1.05~1.78" Power, Zoom (26.85~45.43 mm) f:1.74~2.37	2.51 in 63.7 mm	1.87 lb 0.85 kg	1.66 2.80	4.4 7.5	11.0 18.7	13.3 22.4	16.6 28.0	19.9 33.6	23.2 39.2	26.5 44.8	33.1 55.9	

Factory Specifications - Auxiliary Lenses						Measurements and Calculations											
EIKI Part No.	Ref.	Diagonal	Shift Range	Shift Ratio	Description	Xtend	Wt	T/W	Throw (Distance to Screen) in feet.								
AH-24721	W21	Min: 40" Max: 400"	V: 0% H: 0%	V: 1:1 (on axis) H: 1:1 (on axis)	0.51" Power, Fixed (13.05 mm) f:2.0	2.12 in 53.9 mm	2.38 lb 1.08 kg	0.8	2.1	5.4	6.40	8.0	9.6	11.2	12.9	16.1	

0001-4344	1625	Min: ∞ Max: ∞	V: 0% H: 0%	V: 1:1 (on axis) H: 1:1 (on axis)	0.629" Manual, Fixed (16 mm) f:2.5	1 in 25.4	3 lb 1.36	0.98	2.6	6.6	7.90	9.8	11.8	13.8	15.7	19.7
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AH-24711	W20	Min: 40" Max: 400"	V: +/- 50% H: +/- 10%	V: 10:0 ~ 0:10 H: 3:2 ~ 2:3	0.80~1.08" Power, Zoom (20.35~27.66 mm) f:1.8~2.3	3.29 in 83.5 mm	2.65 lb 1.20 kg	1.25 1.70	3.3 4.5	8.3 11.4	10.0 13.6	12.5 17.0	15.0 20.4	17.5 23.8	20.0 27.3	25.0 34.1
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AH-24771	T20	Min: 40" Max: 400"	V: +/- 50% H: +/- 10%	V: 10:0 ~ 0:10 H: 3:2 ~ 2:3	1.79~2.90" Power, Zoom (45.6~73.8 mm) f:1.82~2.34	3.47 in 88.1 mm	2.60 lb 1.18 kg	2.80 4.53	7.5 12.1	18.7 30.2	22.4 36.3	28.0 45.3	33.7 54.4	39.3 63.4	44.9 72.5	56.1 90.6
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0001-4345	500	Min: ∞ Max: ∞	V: +/- 50% H: +/- 10%	V: 10:0 ~ 0:10 H: 3:2 ~ 2:3	2.75-5.00" Manual, Zoom (70-125mm) f:2.8	5 in 127	4 lb 1.81	4.30 7.81	11.5 20.9	28.7 52.1	34.4 62.5	43.0 78.1	51.6 93.8	60.2 109.4	68.8 125.0	85.9 156.3
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AH-24781	T21	Min: 40" Max: 400"	V: +/- 50% H: +/- 10%	V: 10:0 ~ 0:10 H: 3:2 ~ 2:3	2.90~4.61" Power, Zoom (73.9~117.1 mm) f:1.83~2.35	3.32 in 84.3 mm	2.65 lb 1.20 kg	4.53 7.20	12.1 19.2	30.2 48.0	36.3 57.6	45.3 72.0	54.4 86.4	63.4 100.8	72.5 144	90.6 144
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0001-4351	087	Min: ∞ Max: ∞	V: +/- 50% H: +/- 10%	V: 10:0 ~ 0:10 H: 3:2 ~ 2:3	5.2-8.7" Manual, Zoom (132-220 mm) f:3.5	8.0 in 203.2 mm	8 lb 3.63 kg	8.13 13.59	21.7 36.3	54.2 90.7	65.0 108.8	81.3 135.9	97.5 163.1	113.8 190.3	130.0 144	162.5 272
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0001-4346	900	Min: ∞ Max: ∞	V: +/- 50% H: +/- 10%	V: 10:0 ~ 0:10 H: 3:2 ~ 2:3	6.0-9.0" Manual, Zoom (150-230 mm) f:3.5	5.25 in 133.4 mm	6 lb 2.72 kg	9.38 14.06	25.0 37.5	62.5 93.8	75.0 112.5	93.8 140.6	112.5 168.8	131.3 196.9	150.0 144	187.5 281
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**In Widescreen Video Mode, 16:9 Source, Normal (default) Setting**

Signal is scaled proportionatly to fit: maintains aspect ratio.  
 Projected Image: 1024x576 - full width, 96 black pixels top & bottom

H'	1.5	3.75	4.5	5.63	6.75	7.88	9	11.25
W'	2.67	6.67	8	10	12	14	16	20
D"	36.8	91.8	110	138	165	193	220	275

**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 +/- 3.5%. Specifications are subject to change without notice.**

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