

## Screen Dimensions.

Resolution: WXGA (1280x800)  
 Aspect Ratio: (10 High by 16 Wide by 18.87 Diagonal)  
 Aperture: 0.636

H'	1.7	4.4	5.0	6.2	8.8	10.0	13.3	H'
W'	2.7	7.1	8.0	10.0	14.2	16.0	21.2	W'
D"	38	100	113	141	200	226	300	D"

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.								EFL
AH-24741 (645 101 1053)	S20	Min: 40" Max: 400"	V: +/- 60% H: +/- 10%	V: 11:-1 ~ -1:11 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	1.7 2.81	4.5 7.5	12.0 19.9	13.6 22.5	17.0 28.1	24.0 39.8	27.2 45.0	36.0 59.7	1.08 1.79	

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.								EFL

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	0.81	2.2	5.7	6.50	8.10	11.4	12.9	17.1	0.514
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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	0.99	2.6	7.0	7.90	9.90	14.0	15.8	21.0	0.629
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AH-24711	W20	Min: 40" Max: 400"	V: +/- 60% H: +/- 10%	V: 11:-1 ~ -1:11 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	1.31 1.71	3.5 4.6	9.2 12.1	10.4 13.7	13.1 17.1	18.5 24.3	20.9 27.4	27.7 36.3	0.83 1.09
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AH-24771	T20	Min: 40" Max: 400"	V: +/- 60% H: +/- 10%	V: 11:-1 ~ -1:11 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	2.82 4.6	7.5 12.3	20.0 32.6	22.6 36.8	28.2 46.0	39.9 65.1	45.2 73.6	59.8 97.5	1.80 2.92
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0001-4345	500	Min: ∞ Max: ∞	V: +/- 60% H: +/- 10%	V: 11:-1 ~ -1:11 H: 3:2 ~ 2:3	2.75-5.00" Manual, Zoom (70-125mm) f:2.8	5 in 127	4 lb 1.81	4.32 7.86	11.5 21.0	30.6 55.7	34.6 62.9	43.2 78.6	61.2 111.2	69.2 125.8	91.7 166.7	2.75 5.00
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AH-24781	T21	Min: 40" Max: 400"	V: +/- 60% H: +/- 10%	V: 11:-1 ~ -1:11 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	4.59 7.23	12.3 19.3	32.5 51.2	36.7 57.9	45.9 72.3	65.0 102.3	73.5 115.7	97.3 144	2.92 4.60
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0001-4351	087	Min: ∞ Max: ∞	V: +/- 60% H: +/- 10%	V: 11:-1 ~ -1:11 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	8.18 13.68	21.8 36.5	57.9 96.8	65.4 109.4	81.8 136.8	115.7 193.6	130.8 218.9	173.3 144	5.20 8.70
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0001-4346	900	Min: ∞ Max: ∞	V: +/- 60% H: +/- 10%	V: 11:-1 ~ -1:11 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	9.43 14.15	25.2 37.8	66.8 100.2	75.5 113.2	94.3 141.5	133.5 200.2	150.9 226.4	200.0 144	6.00 9.00
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**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.**

**These charts are a simulation.** Effective Focal Length (EFL) most accurately represents lens behavior, and drives the calculations..

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