

Resolution: XGA (1024x768)
 Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)
 Aperture: 0.632

Screen Dimensions.

H'	2	5	6	7.5	9	10.5	12	15	H'
W'	2.67	6.67	8	10	12	14	16	20	W'
D"	40	100	120	150	180	210	240	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: +/- 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	1.7 2.83	4.5 7.6	11.3 18.9	13.6 22.7	17.0 28.3	20.4 34.0	23.8 39.7	27.2 45.3	34.0 56.6	1.07 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	0.8	2.1	5.3	6.40	8.0	9.6	11.2	12.8	15.9	0.504

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	1	2.7	6.6	8.00	10.0	11.9	13.9	15.9	19.9	0.629
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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	1.27 1.72	3.4 4.6	8.4 11.5	10.1 13.8	12.7 17.2	15.2 20.7	17.7 24.1	20.3 27.6	25.3 34.5	0.8 1.09
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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	2.84 4.59	7.6 12.3	18.9 30.6	22.7 36.7	28.4 45.9	34.1 55.1	39.8 64.2	45.4 73.4	56.8 91.8	1.80 2.90
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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	4.35 7.91	11.6 21.1	29.0 52.8	34.8 63.3	43.5 79.1	52.2 94.9	60.9 110.8	69.6 126.6	87.0 158.2	2.75 5.00
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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	4.6 7.15	12.3 19.1	30.7 47.7	36.8 57.2	46.0 71.5	55.2 85.8	64.4 100.1	73.6 144	92.0 143	2.91 4.52
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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	8.23 13.77	22.0 36.8	54.9 91.8	65.8 110.1	82.3 137.7	98.7 165.2	115.2 192.7	131.6 144	164.6 275	5.20 8.70
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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	9.49 14.24	25.3 38.0	63.3 95.0	75.9 113.9	94.9 142.4	113.9 170.9	132.9 199.4	151.9 144	189.9 285	6.00 9.00
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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 charts are a simulation. Effective Focal Length (EFL) most accurately represents lens behavior, and drives the calculations

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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