

Full Screen

Resolution: WXGA (1366x800)

Aspect Ratio: (10 High by 17 Wide by 19.7223 Diagonal)

Aperture: 1.22" 1.05177 in. Wide (absolute)

Screen Dimensions.

H'	2.9	4.3	5.9	7.1	8.5	9.4	12.8	15.7	17.1
W'	5.0	7.3	10.0	12.0	14.5	16.0	21.8	26.7	29.1
D"	69	101	139	167	202	223	303	371	405

EIKI Part No.	Ref.	T/W	Diagonal	Shift/Limits	Auxiliary Lenses	Xtend#	EFL	Distance (expressed in feet).											
*AH-32701	W07	0.77	Min 30" Max 400"	V: 1:1 (on axis) H: 1:1 (on axis)	0.827" Manual, Fixed (21.0mm) f:2.5	4.18 in 106 mm	0.81	3.9	5.6	7.7	9.2	11.2	12.3	16.8	20.5	22.4			
*AH-32021	W03	1.11	Min 30" Max 400"	V: 1:1 (on axis) H: 1:1 (on axis)	1.18" Manual, Fixed (30.0mm) f:2.5	2.17 in 55 mm	1.17	5.6	8.1	11.1	13.3	16.1	17.8	24.3	29.7	32.3			
*AH-21012 (*AH-21011)	(W01Z) (W01)	1.670	Min 30" Max 400"	V:10:-3--3:10 H: 5:3~3:5	1.76" Manual, Fixed (44.7mm) f:2.5	1.89 in 48 mm	1.76	8.4	12.1	16.7	20.1	24.3	26.8	36.5	44.6	48.6			
***AH-32501	(W05)	1.31 1.84	Min 30" Max 400"	V:10:0~0:10 H: 5:3~3:5	1.42~1.97" Power, Zoom (36~50 mm) f:2.0~2.6	1.58 in 40 mm	1.38 1.94	6.6 9.2	9.5 13.4	13.1 18.4	15.7 22.1	19.0 26.7	21.0 29.5	28.6 40.2	35.0 49.2	38.1 53.6			
***AH-32601	(W06)	1.64 2.14	Min 30" Max 400"	V:10:-3--3:10 H: 5:3~3:5	1.77~2.25" Power, Zoom (45~57 mm) f:2.3~2.8	2.54 in 64.5 mm	1.73 2.25	8.2 10.7	11.9 15.5	16.4 21.4	19.7 25.7	23.9 31.0	26.3 34.2	35.9 46.6	43.9 57.1	47.8 62.1			
*AH-21202 (*AH-21201)	(W02Z) (W02)	1.95 2.55	Min 30" Max 400"	V:10:-3--3:10 H: 5:3~3:5	2.06~2.67" Power, Zoom (52.2~67.9 mm) f:2.53~2.95	0.58 in 14.5 mm	2.06 2.68	9.8 12.7	14.2 18.5	19.5 25.5	23.4 30.6	28.3 36.9	31.3 40.8	42.6 55.5	52.1 68.0	56.8 74.0			
****AH-32401	(W04)	2.17 2.83	Min 30" Max 400"	V:10:-3--3:10 H: 5:3~3:5	2.28"~2.99" Power, Zoom (58~76 mm) f:1.7~2.3	1.58 in 40 mm	2.28 2.98	10.8 14.2	15.7 20.6	21.7 28.3	26.0 34.0	31.4 41.1	34.7 45.3	47.3 61.8	57.8 75.6	63.0 82.3			
***0001-4297	(125)	2.61 4.75	Min: ∞ Max: ∞	10:0 ~ 0:10 TBA	2.75 ~ 5.0" Manual, Zoom (70 ~ 125 mm) f:2.0	TBA	2.75 5.00	13.1 23.8	19.0 34.5	26.1 47.5	31.4 57.0	37.9 68.9	41.8 76.1	57.0 104	69.7 127	76.0 138			
*945 044 0978 aka *AH-21102	(S02Z)	2.83 3.69	Min 30" Max 400"	V:7:-2~-2:7 H: 5:3~3:5	2.98"~3.84" Power, Zoom (75.7~97.5 mm) f:2.0~2.3	0.24 in 6 mm	2.98 3.88	14.2 18.4	20.6 26.8	28.3 36.9	34.0 44.3	41.1 53.5	45.3 59.0	61.8 80.4	75.6 98.4	82.3 107			
*AH-22051	S03	3.64 4.91	Min 100" Max 400"	V:10:-3--3:10 H: 5:3~3:5	3.82~5.16" Power, Zoom (97~131mm) f:1.7~2.7	2.92 in 74 mm	3.83 5.16	- -	26.4 35.6	36.4 49.1	43.7 58.9	52.8 71.1	58.3 78.5	79.4 107	97.1 131	106 143			
*0001-4260	537	4.27 7.34	Min: ∞ Max: ∞	6:1 ~ 1:6 TBA	4.49~7.72" Manual, Zoom (114~196 mm) f:2.0	TBA	4.49 7.72	21.3 36.7	31.0 53.3	42.7 73.4	51.2 88.1	61.9 106	68.3 117	93.1 160	114 196	124 213			
*AH-21022 (*AH-21021)	(M01Z) (M01)	4.73 6.12	Min 30" Max 400"	V:10:-3--3:10 H: 5:3~3:5	4.9~6.37" Power, Zoom (124.5~161.8 mm) f:2.0~2.6	-0.34 in -8.5 mm	4.97 6.44	23.6 30.6	34.3 44.4	47.3 61.2	56.7 73.5	68.5 88.8	75.6 98.0	103 134	126 163	137 178			
*AH-21091	(T02)	6.01 8.40	Min 30" Max 400"	V:10:-3--3:10 H: 5:3~3:5	6.22~8.7" Power, Zoom (158~221mm) f:2.0~2.8	2.80 in 71 mm	6.32 8.84	30.0 42.0	43.6 61.0	60.1 84.0	72.1 101	87.1 122	96.1 135	131 183	160 224	175 244			
***0001-4261	151	6.89 11.77	Min: ∞ Max: ∞	6:1 ~ 1:6 TBA	7.25~12.38" Manual, Zoom (184~314mm) f:2.8	TBA	7.25 12.38	34.5 58.9	50.0 85.4	68.9 118	82.7 141	100 171	110 188	150 257	184 314	200 342			
*AH-32581	(T03)	8.41 12.34	Min 30" Max 400"	V:10:-3--3:10 H: 5:3~3:5	8.82"~12.8" Manual, Zoom (224mm~325mm) f:2.2~2.5	11.42 in 290 mm	8.85 12.98	42.1 61.7	61.0 89.5	84.1 123	101 148	122 179	135 197	183 269	224 329	244 358			
***0001-4299	(183)	10.17 17.40	Min: ∞ Max: ∞	6:1 ~ 1:6 TBA	10.7 ~ 18.3" Manual, Zoom (272 ~ 464 mm) f:2.8	TBA	10.7 18.3	50.9 87.0	73.8 126	102 174	122 209	148 252	163 278	222 379	271 464	296 505			

Example 1: Video Mode, 16:9 Source, Normal (default) Setting

Signal is scaled proportionally to fit: maintains aspect ratio.
Projected Image: 1366x768 - full width, 16 black pixels top & bottom

H'	2.8	4.1	5.6	6.8	8.2	9.0	12.3	15.0	16.3
W'	5.0	7.3	10.0	12.0	14.5	16.0	21.8	26.7	29.1
D"	68.8	99.9	138	165	200	220	300	367	400

Example 2: Video Input, 4:3 Source, Normal (default) Setting

Signal is scaled proportionally to fit: maintains aspect ratio.
Projected Image: 1067x800 - full height, 150 black pixels left & right

H'	2.9	4.3	5.9	7.1	8.5	9.4	12.8	15.7	17.1
W'	3.9	5.7	7.9	9.5	11.3	12.5	17.1	20.9	22.8
D"	58.0	86.0	118	142	170	188	256	314	342

Example 3: Computer Mode, XGA (4:3) Source, True (optional) Setting

No scaling. (For Computer Input, XGA Source, Normal (default) Setting: see Example 2 (4:3).)
Projected Image: 1024x768 - 171 black pixels left & right, 16 black pixels top & bottom

H'	2.8	4.1	5.7	6.8	8.2	9.0	12.3	15.1	16.4
W'	3.7	5.5	7.6	9.1	10.9	12.0	16.4	20.1	21.9
D"	55.7	82.6	113	136	163	180	246	301	328

* These lenses require adapter 610 353 1335 (LNA-01): one included with projector.
** These lenses require adapter 910 304 6229 (LNA-02) (one included with projector).
*** These lenses are supplied complete with attached adapter, and focus to infinity in both directions.
Xtend is calculated relative to cabinet: that is, excluding 3.031 in (77 mm) lens hood

How to use the T/W column. If your screen size does not appear on this chart, use the T/W column to find the lens you need.
Divide the Throw distance by the screen Width to get your "target T/W number". Then, look for a lens with a T/W range that covers it.

Understanding Shift/Limits. The numbers in the Shift/Limits column express the projector positions possible as a ratio of the image heights Above:Below a line drawn perpendicular to the screen between the lens and the screen. 1:1 = center of the image. The two sides of a ratio are cumulative, so the expression 10:-3 means that the bottom of the image starts 3/7ths of the image height above the imaginary line.

These charts are a simulation. Effective Focal Length (EFL) most accurately represents lens behavior, and drives the calculations..
Calculations are from the front glass of the lens and accurate to approximately +/- 3.5%. Specifications are subject to change without notice.