

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	TBA	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	TBA	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	TBA	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	Min 30"	V:10:0-0:10	1.42-1.97" Power, Zoom (36-50 mm) f:2.0-2.6	TBA	1.38	6.6	9.5	13.1	15.7	19.0	21.0	28.6	35.0	38.1		
		1.84	Max 400"	H: 5:3-3:5			1.94	9.2	13.4	18.4	22.1	26.7	29.5	40.2	49.2	53.6		
***AH-32601	(W06)	1.64	Min 30"	V:10:-3~-3:10	1.77-2.25" Power, Zoom (45-57 mm) f:2.3-2.8	TBA	1.73	8.2	11.9	16.4	19.7	23.9	26.3	35.9	43.9	47.8		
		2.14	Max 400"	H: 5:3-3:5			2.25	10.7	15.5	21.4	25.7	31.0	34.2	46.6	57.1	62.1		
*AH-21202 (**AH-21201)	(W02Z) (W02)	1.95	Min 30"	V:10:-3~-3:10	2.06-2.67" Power, Zoom (52.2-67.9 mm) f:2.53-2.95	TBA	2.06	9.8	14.2	19.5	23.4	28.3	31.3	42.6	52.1	56.8		
		2.55	Max 400"	H: 5:3-3:5			2.68	12.7	18.5	25.5	30.6	36.9	40.8	55.5	68.0	74.0		
****AH-32401	(W04)	2.17	Min 30"	V:10:-3~-3:10	2.28"-2.99" Power, Zoom (58-76 mm) f:1.7-2.3	TBA	2.28	10.8	15.7	21.7	26.0	31.4	34.7	47.3	57.8	63.0		
		2.83	Max 400"	H: 5:3-3:5			2.98	14.2	20.6	28.3	34.0	41.1	45.3	61.8	75.6	82.3		
***0001-4297	(125)	2.61	Min: ∞	10:0 ~ 0:10	2.75 ~ 5.0" Manual, Zoom (70 ~ 125 mm) f:2.0	TBA	2.75	13.1	19.0	26.1	31.4	37.9	41.8	57.0	69.7	76.0		
		4.75	Max: ∞	TBA			5.00	23.8	34.5	47.5	57.0	68.9	76.1	104	127	138		
*945 044 0978 aka *AH-21102	(S02Z)	2.83	Min 30"	V:7:-2~-2:7	2.98"-3.84" Power, Zoom (75.7-97.5 mm) f:2.0-2.3	TBA	2.98	14.2	20.6	28.3	34.0	41.1	45.3	61.8	75.6	82.3		
		3.69	Max 400"	H: 5:3-3:5			3.88	18.4	26.8	36.9	44.3	53.5	59.0	80.4	98.4	107		
*AH-22051	S03	3.64	Min 100"	V:10:-3~-3:10	3.82-5.16" Power, Zoom (97-131mm) f:1.7-2.7	TBA	3.83	-	26.4	36.4	43.7	52.8	58.3	79.4	97.1	106		
		4.91	Max 400"	H: 5:3-3:5			5.16	-	35.6	49.1	58.9	71.1	78.5	107	131	143		
*0001-4260	537	4.27	Min: ∞	6:1 ~ 1:6	4.49-7.72" Manual, Zoom (114-196 mm) f:2.0	TBA	4.49	21.3	31.0	42.7	51.2	61.9	68.3	93.1	114	124		
		7.34	Max: ∞	TBA			7.72	36.7	53.3	73.4	88.1	106	117	160	196	213		
*AH-21022 (**AH-21021)	(M01Z) (M01)	4.73	Min 30"	V:10:-3~-3:10	4.9-6.37" Power, Zoom (124.5-161.8 mm) f:2.0-2.6	TBA	4.97	23.6	34.3	47.3	56.7	68.5	75.6	103	126	137		
		6.12	Max 400"	H: 5:3-3:5			6.44	30.6	44.4	61.2	73.5	88.8	98.0	134	163	178		
*AH-21091	(T02)	6.01	Min 30"	V:10:-3~-3:10	6.22-8.7" Power, Zoom (158-221mm) f:2.0-2.8	TBA	6.32	30.0	43.6	60.1	72.1	87.1	96.1	131	160	175		
		8.40	Max 400"	H: 5:3-3:5			8.84	42.0	61.0	84.0	101	122	135	183	224	244		
***0001-4261	151	6.89	Min: ∞	6:1 ~ 1:6	7.25-12.38" Manual, Zoom (184-314mm) f:2.8	TBA	7.25	34.5	50.0	68.9	82.7	100	110	150	184	200		
		11.77	Max: ∞	TBA			12.38	58.9	85.4	118	141	171	188	257	314	342		
*AH-32581	(T03)	8.41	Min 30"	V:10:-3~-3:10	8.82"-12.8" Manual, Zoom (224mm-325mm) f:2.2-2.5	TBA	8.85	42.1	61.0	84.1	101	122	135	183	224	244		
		12.34	Max 400"	H: 5:3-3:5			12.98	61.7	89.5	123	148	179	197	269	329	358		
***0001-4299	(183)	10.17	Min: ∞	6:1 ~ 1:6	10.7 ~ 18.3" Manual, Zoom (272 ~ 464 mm) f:2.8	TBA	10.7	50.9	73.8	102	122	148	163	222	271	296		
		17.40	Max: ∞	TBA			18.3	87.0	126	174	209	252	278	379	464	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

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

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

* These lenses require adapter 610 303 8742 (AH-25841) (LNA-01): one included with projector.

** These lenses require adapter 610 304 6228 (AH-25871) (LNA-02) (one included with projector).

*** These lenses are supplied complete with attached adapter, and focus to infinity in both directions.

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.

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

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

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

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