EIKI | **Lenses for the EIP-HDT20** | **March 23, 2009.**

PRELIMINARY

Projector Specifications

Resolution: 1080p (1920x1080)
Aspect Ratio: (9 High by 16 Wide by 18.333 Diagonal)
Maximum Image Size: 40' W x 30' H (600"D)

Screen Dimensions.

H'	2	4.1	6.1	8.2	10.2	12.3	16.3	20.4	24.5
W'	3.64	7.27	10.9	14.5	18.2	21.8	29.1	36.3	43.6
D"	50	100	150	200	250	300	400	500	600

Factory Specifications						Description	Measurements and Calculations										
EIKI Part No.	**Ref.**	**TR**	**Diagonal**	**Shift Range**	**Shift Ratio**	**Auxiliary Lenses**	**Xtend**	**Wt**	**T/W**	**Throw (Distance to Screen) in ft.**							
AH-43002W	W52	0.80	50~200"	V: 0% H: 0%	V: 1:1 on axis H: 1:1 on axis	0.673" Manual, Fixed (17.1 mm) f:2.0	4.7" 120 mm	6.83 lb 3.1 kg	0.81	3.0	5.9	8.8	11.8	-	-	-	-	-
AH-43001W	W51	1.20	50~600"	V: +/-67.7%	V: 6.65:-1~-1:6.65	1.012~1.27" Power, Zoom	5.4"	9.04 lb	1.22	4.4	8.9	13.3	17.7	22.2	26.6	35.5	44.3	53.2
		1.50	50~600"	H: +/- 41.6%	H: 10.7:1~1:10.7	(25.8~32.2 mm) f:2.3~2.7	138 mm	4.1 kg	1.53	5.6	11.1	16.7	22.2	27.8	33.4	44.5	55.6	66.8
AH-43000W	W50	1.50	50~600"	V: +/-67.7%	V: 6.65:-1~-1:6.65	1.26~1.51" Power, Zoom	4.76"	7.28	1.52	5.5	11.0	16.6	22.0	27.6	33.1	44.1	55.2	66.3
		1.80	50~600"	H: +/- 41.6%	H: 10.7:1~1:10.7	(31.9~38.3 mm) f:2.0~2.1	121 mm	3.3 kg	1.82	6.6	13.2	19.9	26.4	33.1	39.7	52.9	66.1	79.4
AH-43005S	S50	1.80	50~600"	V: +/-67.7%	V: 6.65:-1~-1:6.65	1.52~2.36" Power, Zoom	4"	7.5 lb	1.83	6.7	13.3	20.0	26.6	33.3	40.0	53.3	66.5	79.9
Standard Lens		2.80	50~600"	H: +/- 41.6%	H: 10.7:1~1:10.7	(38.5~60.0 mm) f:2.0~2.6	102 mm	3.4 kg	2.85	10.4	20.7	31.0	41.3	51.7	62.1	82.7	103	124
AH-43007T	T50	2.80	50~600"	V: +/-67.7%	V: 6.65:-1~-1:6.65	2.34"~4.20" Power, Zoom	5.2"	8.2 lb	2.82	10.3	20.5	30.8	40.9	51.3	61.5	82.0	103	123
		5.00	50~600"	H: +/- 41.6%	H: 10.7:1~1:10.7	(59.3~106.7 mm) f:2.0~2.9	132 mm	3.7 kg	5.07	18.4	36.8	55.2	73.5	92.1	110	147	184	221
AH-43008T	T51	4.80	50~600"	V: +/-67.7%	V: 6.65:-1~-1:6.65	3.99"~6.65" Power, Zoom	6"	?	4.81	17.5	35.0	52.5	69.8	87.5	105	140	175	210
		8.00	50~600"	H: +/- 41.6%	H: 10.7:1~1:10.7	(101.3~168.8 mm) f:2.3~3.2	153	?	8.02	29.2	58.3	87.4	116	146	175	233	291	350

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 **T**hrow distance by the screen **W**idth 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. 10:0 = top of the image.

These charts are a simulation. The T/W (Throw/Width) column most accurately represents lens behavior, and reflects the calculations. Calculations are from the front glass of the lens and accurate to approximately +/- 5.%. Specifications are subject to change without notice.

Legend. Ref = abbreviated factory part numbers. TR = factory published Throw Ratio. Xtend = distance lens protrudes from cabinet

CAUTION
Xtend, T/W and Throw are estimated.

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