

EIKI

Lenses for the EIP-HDT30 and EIP-HDT20

July 12, 2013

Projector Specifications

Resolution: 1080p (1920x1080)
 Aspect Ratio: (9 High by 16 Wide by 18.333 Diagonal)
 Maximum Image Size: 43.6' W x 24.5' H (600"D)

Screen Dimensions.

H'	2	4.1	6.1	8.2	9	10.2	12.3	18.4	20.4	24.5
W'	3.64	7.27	10.9	14.5	16	18.2	21.8	32.7	36.3	43.6
D"	50	100	150	200	220	250	300	450	500	600

Factory Specifications				Description		Measurements and Calculations												
EIKI Part No.	Ref.	Diagonal	Shift Range	Shift Ratio	Auxiliary Lenses	Xtend	Wt	T/W	Throw (Distance to Screen) in ft.									
AH-43002W	W52	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 in 120 mm	6.83 lb 3.1 kg	0.81	3.0	5.9	8.8	11.8	-	-	-	-	-	-
AH-43003W	W53	50~600" 50~600"	V: +/-55% H: +/- 25%	V: 21:1~1:21 H: 3:1~1:3	1.06~1.51" Power, Zoom (25.8~38.3 mm) f:2.4~2.7	4.6 in 117 mm	5.51 lb 2.5 kg	1.22 1.82	4.4	8.9	13.3	17.7	19.5	22.2	26.6	39.9	44.3	53.2
AH-43006S	S51	50~600" 50~600"	V: +/-55% H: +/- 25%	V: 21:1~1:21 H: 3:1~1:3	1.52~2.36" Power, Zoom (38.5~60.0 mm) f:2.0~2.6	3.5 in 87.9 mm	4.19 lb 1.9 kg	1.83 2.85	6.7	13.3	20.0	26.6	29.3	33.3	40.0	59.9	66.5	79.9
AH-43007T	T50	50~600" 50~600"	V: +/-67.7% H: +/- 41.6%	V: 6.65:-1~1:6.65 H: 10.7:1~1:10.7	2.34"~4.20" Power, Zoom (59.3~106.7 mm) f:2.0~2.9	5.2 in 132 mm	8.2 lb 3.7 kg	2.82 5.07	10.3	20.5	30.8	40.9	45.2	51.3	61.5	92.3	103	123
AH-43008T	T51	50~600" 50~600"	V: +/-67.7% H: +/- 41.6%	V: 6.65:-1~1:6.65 H: 10.7:1~1:10.7	3.99"~6.65" Power, Zoom (101.3~168.8 mm) f:2.3~3.2	6.0 in 153 mm	8.38 lb 3.8 kg	4.81 8.02	17.5	35.0	52.5	69.8	77	87.5	105	157	175	210

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. 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.

Legend. Ref = abbreviated factory part numbers. Xtend = distance lens protrudes from cabinet

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