

**Projector Specifications**

Resolution: WUXGA (1920x1200)  
 Aspect Ratio: (10 High by 16 Wide by 18.86 Diagonal)  
 Aperture : 0.568 in. wide

**Screen Dimensions.**

H'	2.3	4.5	6.3	7.5	8.8	10	11.3	12.5
W'	3.64	7.27	10	12	14	16	18	20.0
D"	52	103	142	170	198	226	255	283

Factory Specifications				Description		Measurements and Calculations												
EIKI Part No.	EFL	Diagonal	Shift Range	Shift Ratio	Auxiliary Lenses	Xtend	Wt	T/W	Throw (Distance to Screen) in ft.									
AH-CD20201	0.448"	40~500"	V: 0% H: 0%	V: 1:1 (on axis) H: 1:1 (on axis)	0.456" Manual, Fixed (11.6 mm) f:1.85		2.0 lb 0.9 kg	0.76	2.8	5.6	7.6	9.2	10.7	12.2	13.7	15.3		
AH-CD20202	0.73" 1.05"	40~500" 40~500"	V: +/-50% H: +/- 10%	V: 6.65:~1~1:6.65 H: 10.7:1~1:10.7	0.73~1.05" Power , Zoom (18.7 ~26.5mm) f:1.85-2.5		2.4 lb 1.1 kg	1.25 1.79	4.6 6.5	9.1 13.0	12.5 17.9	15.0 21.4	17.5 25.0	20.0 28.6	22.5 32.2	25.0 35.7		
AH-CD20203	0.435" 0.549"	40~500" 40~500"	V: +/-50% H: +/- 10%	V: 6.65:~1~1:6.65 H: 10.7:1~1:10.7	0.435~0.549" Power , Zoom (11.3 ~14.1mm) f:1.96-2.30		2.8 lb 1.3 kg	0.75 0.93	2.7 3.4	5.4 6.8	7.5 9.3	9.0 11.2	10.4 13.1	11.9 15.0	13.4 16.8	14.9 18.7		
AH-CD20101	1.01" 1.34"	40~500" 40~500"	V: +/-50% H: +/- 10%	V: 6.65:~1~1:6.65 H: 10.7:1~1:10.7	1.02~1.34" Power, Zoom (26.0~34.0 mm) f:1.7~1.9		1.80 lb 0.8 kg	1.72 2.27	6.2 8.3	12.5 16.5	17.2 22.7	20.6 27.2	24.0 31.8	27.5 36.3	30.9 40.9	34.3 45.4		
AH-CD20401	1.31" 2.18"	40~500" 40~500"	V: +/-50% H: +/- 10%	V: 6.65:~1~1:6.65 H: 10.7:1~1:10.7	1.29"~2.13" Power, Zoom (32.9~54.2 mm) f:1.8~2.5		2.1 lb 0.9 kg	2.22 3.67	8.1 13.3	16.1 26.7	22.2 36.7	26.6 44	31 51.3	35.5 58.7	39.9 66	44.4 73		
AH-CD20301	2.10" 3.18"	40~500" 40~500"	V: +/-50% H: +/- 10%	V: 6.65:~1~1:6.65 H: 10.7:1~1:10.7	2.07"~3.11" Power, Zoom (52.8~79.1 mm) f:1.8~2.4		2.2 lb 1.0 kg	3.58 5.38	13 19.6	26.1 39.1	35.8 53.8	43 64.5	50.2 75.3	57.3 86	64.5 96.8	72 108		
AH-CD20302	3.13" 4.93"	40~500" 40~500"	V: +/-50% H: +/- 10%	V: 6.65:~1~1:6.65 H: 10.7:1~1:10.7	3.09"~4.79" Power, Zoom (78.5~121.9 mm) f:1.8~2.5		2.9 lb 1.3 kg	5.30 8.25	19.3 30.0	38.5 60.0	53 82.5	63.6 99.1	74.2 115.6	84.8 132	95.4 149	106 165		

**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.** Effective Focal Length (EFL) most accurately represents lens behavior, and drives the calculations..

**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.