

Projector Specifications

Resolution: WUXGA (1920x1200)

Aspect Ratio: (10 High by 16 Wide by 18.86 Diagonal)

Aperture : 0.814 in. wide

Screen Dimensions.

H'	3.8	4.5	6.3	7.5	8.8	10	11.3	12.5
W'	6	7.27	10	12	14	16	18	20.0
D"	85	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-D22010	0.542"	40~500"	V: 0%	V: 1:1 (on axis)	Manual, Fixed f:2.5		9.9 lb	0.67	4.0	4.8	6.7	8.0	9.3	10.7	12.0	13.3	
			H: 0%	H: 1:1 (on axis)			4.5 kg										
AH-D22020	0.911"	40~500"	V: +50%- -25%	V: 0.5:-0.25~-0.25;0.5	Manual, Fixed f:2.5		12.7 lb	1.12	6.7	8.1	11.2	13.4	15.7	17.9	20.1	22.4	
		40~500"	H: 0%	H: 1:1 (on axis)			5.8 kg										
AH-D22030	1.131"	40~500"	V: +50%- -25%	V: 0.5:-0.25~-0.25;0.5	Power , Zoom f:2.5		13.2 lb	1.39	8.3	10.1	13.9	16.7	19.5	22.2	25.0	27.8	
	1.522"	40~500"	H: +/- 5%	H: 0.05:1~1:0.05			6.0 kg	1.87	11.2	13.6	18.7	22.4	26.2	29.9	33.7	37.4	
AH-D21010	1.522"	40~500"	V: +50%- -25%	V: 0.5:-0.25~-0.25;0.5	Power, Zoom f:2.5		11.2 lb	1.87	11.2	13.6	18.7	22.4	26.2	29.9	33.7	37.4	
	2.08"	40~500"	H: +/- 10%	H: 0.1:1~1:0.1			5.1 kg	2.56	15.3	18.6	25.6	30.7	35.8	40.9	46.0	51.1	
AH-D23010	2.08"	40~500"	V: +50%- -25%	V: 0.5:-0.25~-0.25;0.5	Power, Zoom f:2.5		11.4 lb	2.56	15.3	18.6	25.6	30.7	35.8	40.9	46	51.1	
	3.383"	40~500"	H: +/- 10%	H: 0.1:1~1:0.1			5.2 kg	4.16	24.9	30.2	41.6	49.9	58.2	66.5	74.8	83	
AH-D23020	3.38"	40~500"	V: +50%- -25%	V: 0.5:-0.25~-0.25;0.5	Power, Zoom f:2.5		10.1 lb	4.16	24.9	30.2	41.6	49.9	58.2	66.5	74.8	83	
	5.67"	40~500"	H: +/- 10%	H: 0.1:1~1:0.1			4.6 kg	6.96	41.8	50.6	69.6	83.5	97.5	111	125	139	

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.