EIKI **LENSES for the EIP-4500 PROJECTOR** **June 8, 2005.**

XGA DLP PROJECTOR

Resolution: XGA (1024x768)
Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)

Aperture: 0.541 in. wide

Screen Dimensions (H & W in ft., D in in.).

H'	2	3	4	5	6	7.5	9	12	15
W'	2.67	4	5.33	6.67	8	10	12	16	20
D"	40	60	80	100	120	150	180	240	300

EIKI P/N.	Ref.	T/W	Standard Lens	Shift (T:B)	Distance (expressed in feet).								
Standard	30EZ	1.81	1.01"~1.23" Power, Zoom	10:0 ~ 1:1	4.8	7.2	9.7	12.1	14.5	18.1	21.7	29.0	36.20
AH-45401		2.20	(25.6~31.3 mm) f:1.8~2.0		5.9	8.8	11.7	14.7	17.6	22.0	26.4	35.2	44.00

EIKI P/N		T/W	Auxiliary Lenses		Distance (expressed in feet).								
AH-45201	10EX	0.80	0.46 Manual, Fixed (11.6 mm) f:2.5	2.115:1 ~ 1.1	-	-	4.3	5.3	6.4	8.0	-	-	-
AH-45301	20EZ	1.50	0.84"~1.02"" Power, Zoom	10:0 ~ 1:1	-	6.0	8.0	10.0	12.0	15.0	18.0	24.0	-
		1.80	(21.2~25.8 mm) f:2.5		-	7.2	9.6	12.0	14.4	18.0	21.6	28.8	-
AH-45501	40EZ	2.25	1.26"~1.67" Power, Zoom	10:0 ~ 1:1	-	9.0	12.0	15.0	18.0	22.5	27.0	36.0	-
		3.00	(31.9~42.5 mm) f:2.4~2.5		-	12.0	16.0	20.0	24.0	30.0	36.0	48.0	-
AH-45601	50EZ	3.00	1.61"~2.47" Power, Zoom	10:0 ~ 1:1	-	12.0	16.0	20.0	24.0	30.0	36.0	48.0	-
		4.50	(40.8~62.8 mm) f:2.5		-	18.0	24.0	30.0	36.0	45.0	54.0	72.0	-
AH-45701	60EZ	4.50	2.45"~3.85" Power, Zoom	10:0 ~ 1:1	-	18.0	24.0	30.0	36.0	45.0	54.0	72.0	-
		7.00	(62.1~97.8 mm) f:2.4~2.5		-	28.0	37.3	46.7	56.0	70.0	84.0	112	-

Calculations are from the front glass of the lens and are accurate to approximately +/- 3.5%.
Specifications are subject to change without prior notice.

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 range of projector positions possible as ratios of image height Above:Below a line drawn perpendicular to the screen between the lens and the screen.
To use, divide the height of the screen by the sum of the two sides of the ratio to get "1"
Example: the AH-45201 lens can be shifted so that on a 10' wide screen in normal orientation:
* at the maximum Up shift of 2.115:1: the lens will be perpendicular to a point 2.4' (7.5 / (2.115 + 1)) up from the bottom of the image
* at the maximum Down shift of 1:1: the lens will be perpendicular to a point 3.75' (7.5 / (1 + 1)) down from the top of the image