

## Native 16:9 Aspect Ratio Projectors

## EIP-1600T

## In 16:9 MODE

Resolution: 720p (1280x720)

Aspect Ratio: (9 High by 16 Wide by 18.35755975 Diagonal)

Aperture: 0.5443 in. wide

EIKI P/N: Ref. T/W Shift (T:B)

Lens

Standard	1.37	114.3% up (fixed)	0.75"~0.85" Manual, Zoom (19.0~21.9 mm) f:2.4~2.6	EFL Distance (expressed in feet).								
				0.75	9.1	10.5	10.9	11.9	13.2	15.8	18.7	21.4
	1.58			0.86	10.6	12.1	12.7	13.7	15.3	18.3	21.6	24.8
												39.6

Note: in addition to fixed image offset this projector provides variable image shift of 3.3% up or down, in 16:9 only

## In 4:3 MODE

Resolution: 720p (960x720)

Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)

Aperture: 0.4354 in. wide (Effective Aperture)

Screen Dimensions: \*Note! H &amp; W &amp; D in INCHES.

H"	45	52	54	59	65	78	92	106	169
W"	80	92	96	104	116	139	164	188	300
D"	92	106	110	120	133	159	188	216	344

## EIP-1500T

## In 16:9 MODE

Resolution: 720p (1280x720)

Aspect Ratio: (9 High by 16 Wide by 18.35755975 Diagonal)

Aperture: 0.6894 in. wide

EIKI P/N: Ref. T/W Shift (T:B)

Lens

Standard	1.18	103.3% up (fixed)	0.839"~1.244" Power, Zoom (21.3~31.6 mm) f:2.0~2.5	EFL Distance (expressed in feet).								
				0.84	7.9	9.0	9.4	10.2	11.4	13.7	16.1	18.5
	1.78			1.24	11.9	13.6	14.2	15.4	17.2	20.6	24.3	27.9
												44.5

## In 4:3 MODE

Resolution: 720p (960x720)

Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)

Aperture: 0.517 in. wide (Effective Aperture)

Image Dimensions: H &amp; W in feet, D in inches.

H'	3.8	4.3	4.5	4.9	5.4	6.5	7.7	8.8	14.1
W'	5.0	5.8	6.0	6.6	7.2	8.7	10.2	11.8	18.8
D"	75.4	86.4	90	98.2	108.2	130	153.6	176.4	281.8

## EIP-1000T

## In 16:9 MODE

Resolution: 480p (1280x720)

Aspect Ratio: (9 High by 16 Wide by 18.35755975 Diagonal)

Aperture: 0.6894 in. wide

EIKI P/N: Ref. T/W Shift (T:B)

Lens

Standard	1.09	110.5% up (fixed)	0.75"~0.85" Manual, Zoom (19.0~21.9 mm) f:2.4~2.6	EFL Distance (expressed in feet).								
				0.75	7.3	8.3	8.7	9.4	10.5	12.6	14.9	17.0
	1.25			0.86	8.3	9.6	10.0	10.8	12.1	14.5	17.0	19.5
												31.2

## In 4:3 MODE

Resolution: 720p (960x720)

Aspect Ratio: (3 High by 4 Wide by 5 Diagonal)

Aperture: 0.517 in. wide (Effective Aperture)

Screen Dimensions: \*Note! H &amp; W &amp; D in INCHES.

H"	45	52	54	59	65	78	92	106	169
W"	80	92	96	104	116	139	164	188	300
D"	92	106	110	120	133	159	188	216	344

Image Dimensions: H &amp; W in feet, D in inches.

H'	3.8	4.3	4.5	4.9	5.4	6.5	7.7	8.8	14.10
W'	5	5.778	6	6.6	7.222	8.667	10.22	11.8	18.78
D"	75.4	86.4	90	98.2	108.2	130	153.6	176.4	281.8

## Notes:

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 screenWidth to get your "target T/W number". Then, look for a lens with a T/W range that covers it.

Understanding Lens Shift The number in the Shift column expresses the projector's position relative to the image height.

50% positions the projector's lens perpendicular to the center of the image (on axis). 100% up positions the projector's lens perpendicular to the bottom edge of the image. 114.3%, 103.3% and 110.5% up positions the projector's lens perpendicular to a point 14.3%, 3.3% or 10.9% of the image height respectively, below the image.

These charts are a simulation. Effective Focal Length (EFL) most accurately represents lens behavior, and drives the calculations..

Calculations are from the front glass of the lens and accurate to approximately +/- 3%. Specifications are subject to change without notice.



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