CHRISTIE

D13HD-HS Lens Throw Ratios

The following table details the information required to calculate the lens throw ratios (LTR) for the D13HD-HS projectors.

Lens	Throw distance formula		Vertical/horizontal offset	Diagonal screen sizes	
	Standard (inches)	Metric (cm)		Standard (inches)	Metric (cm)
0.84-1.02:1 Zoom	TDmin = 0.84 x W + 3.74	TDmin = 0.84 x W + 10	+108.5% /- 74.5% V	50 to 500	127 to 1270
(140-114107-XX)	TDmax = 1.02 x W + 3.74	TDmax = 1.02 x W + 10	+29.7% /- 42.2% H		
1.02-1.36:1 Zoom	TDmin = 1.02 x W + 2.36	TDmin = 1.02 x W + 6	+124.1% /- 98.5% V	50 to 500	127 to 1270
(140-115108-XX)	TDmax = 1.36 x W + 2.36	TDmax = 1.36 x W + 6	+39.9% /- 49.2% H		
1.2-1.50:1 Zoom	TDmin = 1.24 x W -5.08	TDmin = 1.24 x W - 13	+140% /- 140% V	50 to 500	127 to 1270
(140-109101-XX)	TDmax = 1.55 x W -4.61	TDmax = 1.55 x W - 12	+/- 50% H		
1.5-2.0:1 Zoom	TDmin = 1.52 x W - 2.45	TDmin = 1.52 x W - 6	+140% /- 140% V	50 to 500	127 to 1270
(140-110103-XX)	TDmax = 2.02 x W - 2.43	TDmax = 2.02 x W - 6	+/- 50% H		
2.0-4.0:1 Zoom	TDmin = 1.95 x W + 6.99	TDmin = 1.95 x W + 18	+140% /- 140% V	50 to 500	127 to 1270
(140-111104-XX)	TDmax =3.94 x W + 3.87	TDmax =3.94 x W + 10	+/- 50% H		
4.0-7.2:1 Zoom	TDmin = 3.95 x W + 6.35	TDmin = 3.95 x W + 16	+140% /- 140% V	50 to 500	127 to 1270
(140-116109-XX)	TDmax =7.14 x W + 4.41	TDmax =7.14 x W + 11	+/- 50% H		

- Throw distance measured from the center of the front foot of the projector.
- All lenses are made of glass.
- Calculated throw distance (TD) values are subject to a +/- 5% tolerance for individual lens variation.
- Calculated vertical and horizontal offset values are subject to a +/- 7% centering tolerance.