DHD700 Lens Throw Ratios
Technical Reference Information

INTRODUCTION

The table on the following page details the information required to calculate the Lens Throw Ratios for the DHD700 projectors.

DHD700 Lens Information					
	Throw Distance Formula		Vertical/Horizontal Offset	Diagonal Screen Sizes	
Lens	Standard (Inches)	Metric (cm)		Standard (Inches)	Metric (cm)
0.8:1 (103-117100-01)	TD = 0.80 x W + 5.40"	TD = 0.80 x W + 13.69cm	On Axis V	50" to 200"	127 to 508 cm
			On Axis H		
1.2-1.5:1 Zoom (103-118101-01)	TDmin = 1.20 x W + 4.93"	TDmin = 1.20 x W + 12.51cm	+/- 110% V	50" to 600"	127 to 1524 cm
	TDmax = 1.50 x W + 5.14"	TDmax = 1.50 x W + 13.06cm	+/- 65% H	50" to 600"	127 to 1524 cm
1.5-1.8:1 Zoom (103-119102-01)	TDmin = 1.50 x W + 4.69"	TDmin = 1.50 x W + 11.92cm	+/- 130% V	50" to 600"	127 to 1524 cm
	TDmax = 1.80 x W + 4.86"	TDmax = 1.80 x W + 12.34cm	+/- 80% H	50" to 600"	127 to 1524 cm
1.8-2.8:1 Zoom (103-120104-01)	TDmin = 1.80 x W + 3.62"	TDmin = 1.80 x W + 9.20cm	+/- 130% V	50" to 600"	127 to 1524 cm
	TDmax = 2.80 x W + 3.75"	TDmax = 2.80 x W + 9.53cm	+/- 80% H	50" to 600"	127 to 1524 cm
2.8-5.0:1 Zoom (103-121105-01)	TDmin = 2.80 x W + 3.53"	TDmin = 2.80 x W + 8.96cm	+/- 130% V	50" to 600"	127 to 1524 cm
	TDmax = 5.00 x W + 3.49"	TDmax = 5.00 x W + 8.86cm	+/- 80% H	50" to 600"	127 to 1524 cm
4.8-8.0:1 Zoom (103-122106-01)	TDmin = 4.80 x W + 16.62"	TDmin = 4.80 x W + 42.22cm	+/- 130% V	50" to 600"	127 to 1524 cm
	TDmax = 8.00 x W + 14.72"	TDmax = 8.00 x W + 37.40cm	+/- 80% H	50" to 600"	127 to 1524 cm

NOTES: 1) *Throw distance measured from the center of the front foot of the projector.* **2)** *All lenses are made of glass.* **3)** *Calculated throw distance (TD) values are subject to a ± 10% tolerance for individual lens variation.* **4)** *Calculated offset values are subject to a ± 7% centering tolerance.*