



HemiStar HS30 Lens



Projection Angle Chart for Dome Lens

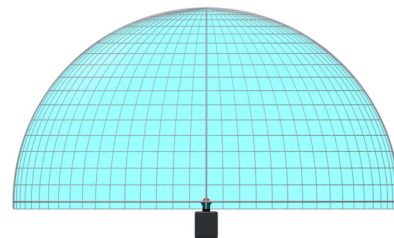
Projection Panels		Resolution			Panel Size (mm)			Projected Pixels				Projection Angles		Shift		
		Horizontal	Vertical	Pixel Pitch	Horizontal	Vertical	Diagonal	Horizontal	Vertical	@ 180°	Mpixels	Horizontal	Vertical	Horizontal	Vertical	V Angle
Original	0.67" WUXGA	1920	1200	7.56 μm	14.515	9.072	17.117	1200	1200	1176	1.13	184.7°	184.7°	0%	0%	0.0°
	0.76" 3LCD WUXGA	1920	1200	8.5 μm	16.320	10.200	19.245	1067	1067	1046	0.89	184.7°	184.7°	0%	0%	0.0°
	0.74" 3LCD 1080p	1920	1080	8.5 μm	16.320	9.180	18.725	1067	1067	1046	0.89	184.7°	184.7°	0%	0%	0.0°
Alternate Panels	0.69" XGA	1024	768	13.68 μm	14.008	10.506	17.510	663	663	650	0.35	184.7°	184.7°	0%	0%	0.0°
	0.66" HD1080	1920	1080	7.56 μm	14.515	8.165	16.654	1200	1080	1176	0.92	184.7°	163.3°	0%	6%	10.7°
	0.65" WXGA	1280	800	10.8 μm	13.824	8.640	16.302	840	800	823	0.50	184.7°	174.3°	0%	2%	5.2°
	0.64" WQXGA	2560	1600	5.4 μm	13.824	8.640	16.302	1680	1600	1646	2.01	184.7°	174.3°	0%	2%	5.2°
	0.55" XGA	1024	768	10.8 μm	11.059	8.294	13.824	840	768	823	0.46	184.7°	166.3°	0%	5%	9.2°

HS30 Model Numbers

Model	Projector Brand
I-28501	Vivitek
I-28487	NEC
I-19985	Optoma
I-27901	Optoma, Christie & Barco
I-22450	Digital Projection, Panasonic, Vivitek, NEC/Sharp
I-28190	Barco
I-29019	Christie & Optoma

Note: Part numbers vary depending on projector manufacturer and model. Call for a Quote.

Active Image on Screen



Lens Specifications

Focal Length:	3.00mm
Image Circle:	9.072mm
Max Half-Angle:	92°
F/#:	F/2.5
Focus Range:	600mm - ∞
Transmittance:	81% - 89%
MTF Center:	66% @ 66 lp/mm
MTF Edge:	60% @ 66 lp/mm
Lateral Color R-G:	< 4μm
Lateral Color B-G:	< 2μm
F-Theta Distortion:	-6.0% Max
Relative Illumination:	>95%
Max Lumens:	12
Back Focus:	Suitable for small format single-chip DLP & 3LCD

Line Drawing

