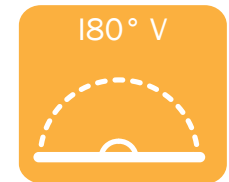




HemiStar® HS37

Dome Lens

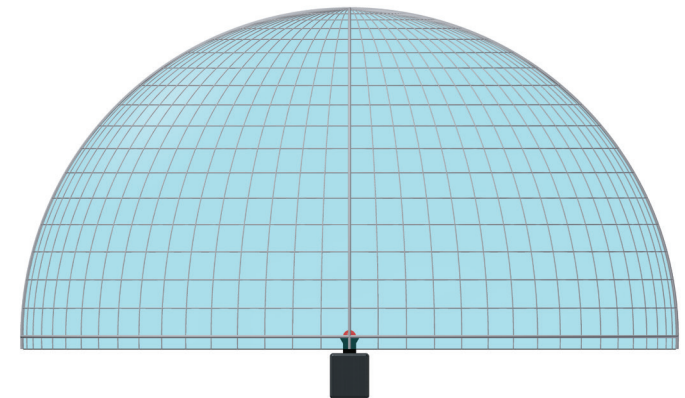


Projection Angle Chart for Dome Lens																
Projection Panels		Resolution			Panel Size (mm)			Projected Pixels				Projection Angles		Shift		
		Horizontal	Vertical	Pixel Pitch	Horizontal	Vertical	Diagonal	Horizontal	Vertical	@180°	Mpixels	Horizontal	Vertical	Horizontal	Vertical	V Angle
Original	0.8" WUXGA	1920	1200	9µm	17.280	10.800	20.377	1200	1200	NA	1.13	175.0°	175.0°	0%	0%	0.0°

HS37 Model Numbers	
Model	Projector Brand
1-101816	Barco i600
Note: Part numbers vary depending on projector manufacturer and model. Call for a Quote.	

Lens Specifications	
F/#:	F/2.5
Focal Length:	3.7mm
Image Circle:	10.800mm
Focus Range	1500mm-Inf
Max Half-Angle:	87.5°
MTF Center:	70% @ 66 lp/mm
MTF Edge:	60% @ 66 lp/mm
Lateral Color R-G:	≤ 4µm
Lateral Color B-G:	≤ 2µm
F-Theta Distortion:	-6.3% Max
Transmittance at 450-630nm:	81-89%
Back Focus:	(44.358mm Air Equivalent)

Angle Mapping	
Projected Angle	Image Height (mm)
0°	0.00
10°	0.66
20°	1.31
30°	1.96
40°	2.60
50°	3.23
60°	3.85
70°	4.44
80°	5.01
85°	5.27
87.5°	5.40



Active Image on Screen

HemiStar® HS37 Lens

