



Part Number HYP18-51-18-HC

Lens Name Centaur

Description

Centaur is a compact, lightweight, HDR wide angle lens designed for use with a 12-16 Megapixel 1" format cameras with a 2.4um or 3.45um pixel pitch. The lens is athermal over the operating temperature range and is capable of day-night band operation 450nm to 850nm simultaneously.

Key Features

- All glass construction
- Rectilinear distortion correction
- Telecentric
- Athermal operation
- Superior stray light rejection
- Optimized for HDR imaging applications
- Survival temperature range -40C to +70C
- Operating temperature range -20C to +50C

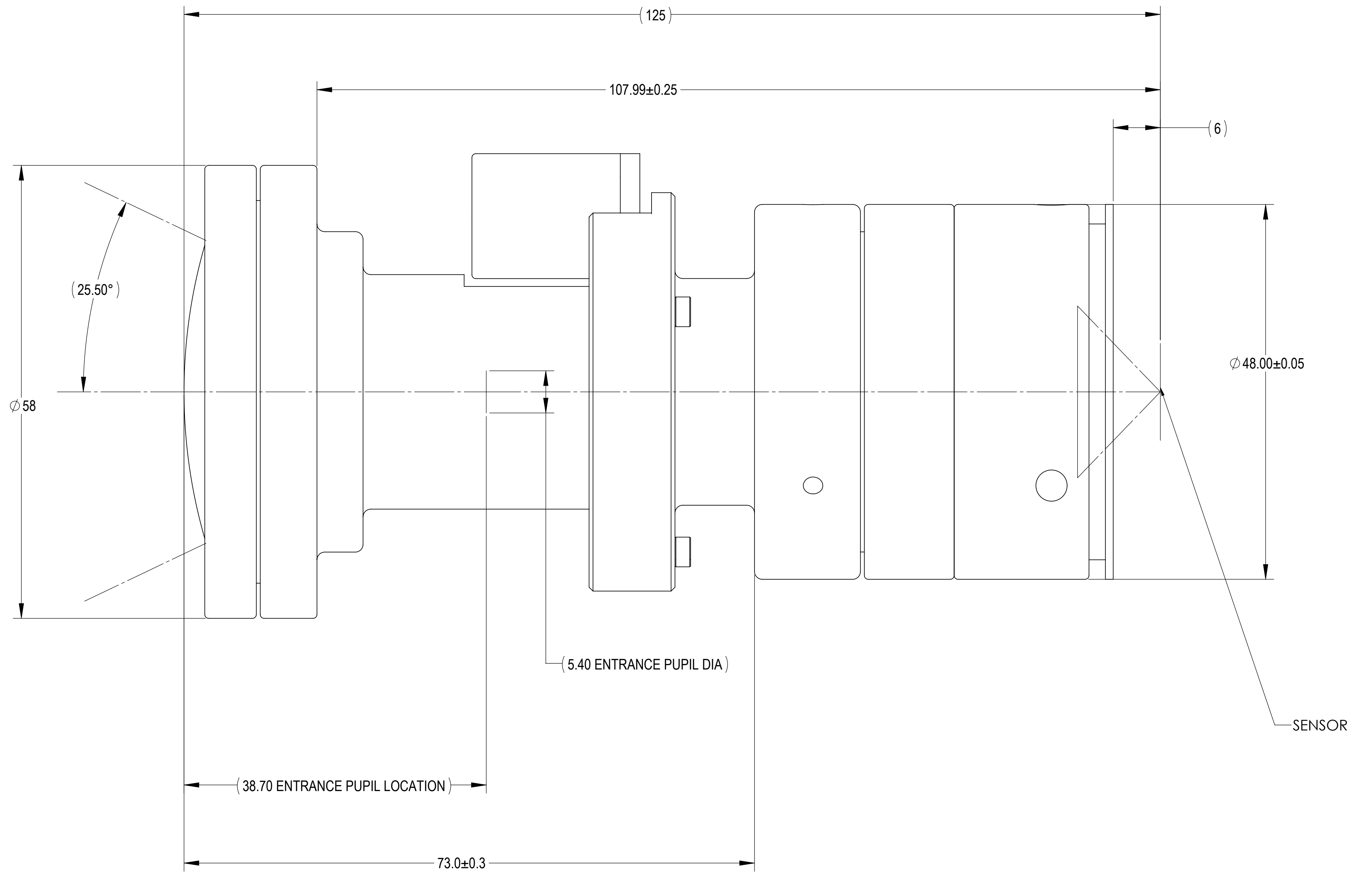
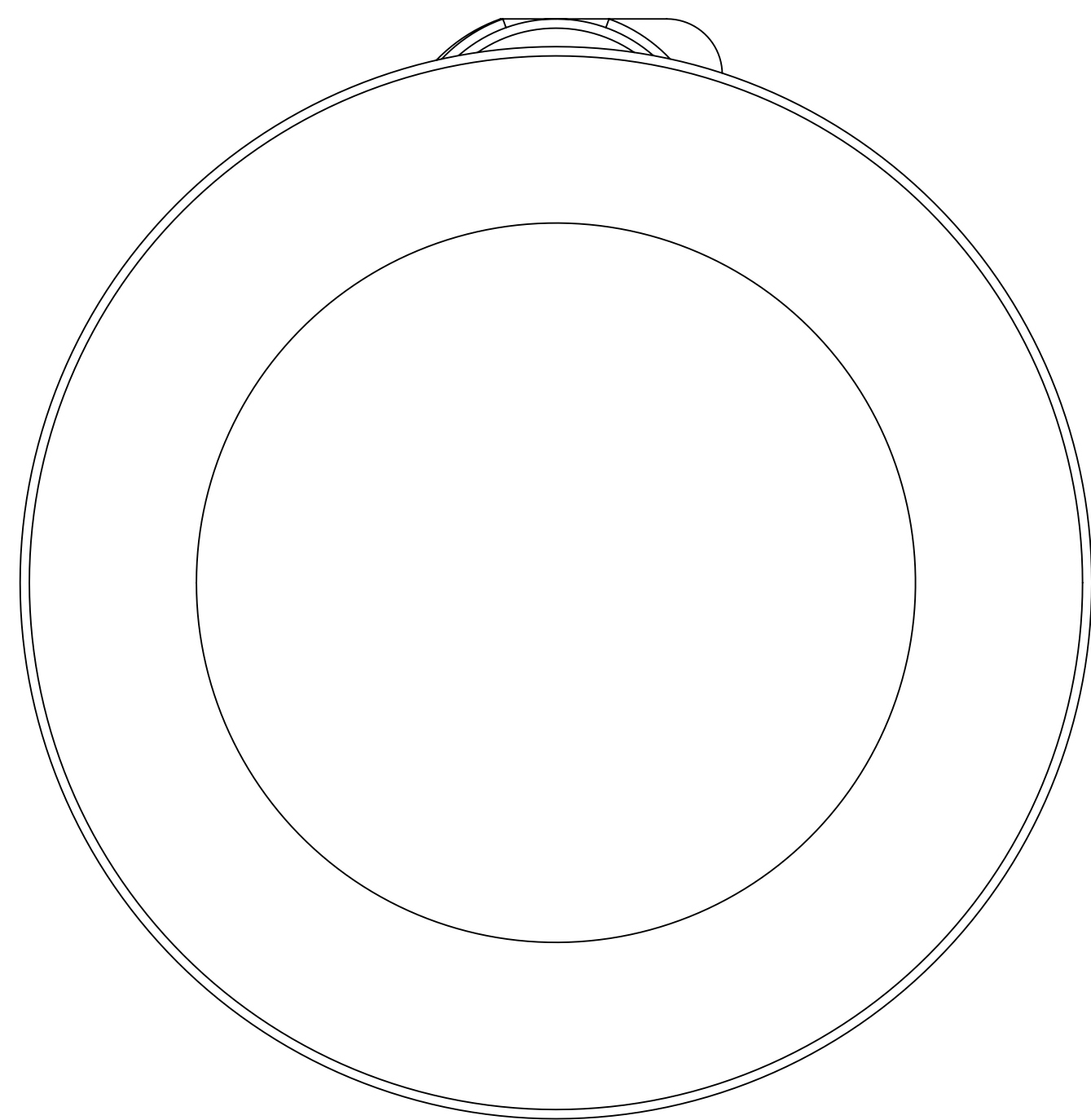
Applications

- Autonomous vehicles
- Enterprise drones
- Security
- Surveillance

Optical Specifications

Imager Format	1" (4K compatible)
Focal Length (mm)	17.75 mm
F/#	1.8
TTL	125.0 mm
Image Circle (nominal)	16.0 mm
Field of View	50.7° diagonal
Distortion	<4.8%
Relative Illumination	>80%
MTF	Contact Navitar Sales
Resolution	On-axis: > 208 lp/mm S&T Field Edge: > 208lp/mm S&T
Chief Ray Angle	< 2° at 8.0mm image circle
IR Filter	Included
Stray light rejection	< 1E10-4 (In-field) < 1E10-5 (Out-of-field)
Focus stability	Athermal

NOTES: UNLESS OTHERWISE SPECIFIED
 1) DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1994
 2) ALL DIMENSIONS ARE IN MILLIMETERS.



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SURFACE FINISH: X.X ± .13 XXX ± .025 ANGULAR: ± 0.5°		DEBUR AND BREAK SHARP EDGES		DRAWN	A.G.	040114	TITLE:		
				CHECKED	A.G., M.TH	040516	CENTAUR		
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