



Part Number: [Click here to enter text.](#)

Part Number HYP1875-46-24

Lens Name Crow

Description

Falcon is a compact, lightweight, HDR wide angle lens designed for use with a 12-16 Megapixel 1" format cameras with a 2.4um pixel pitch.

Key Features

- All glass construction
- IP67 sealed
- Low Rectilinear Distortion
- Telecentric
- Athermal operation
- Superior stray light rejection
- Optimized for HDR imaging applications
- Survival temperature range -40C to +70C
- Operating temperature range -20C to +50C

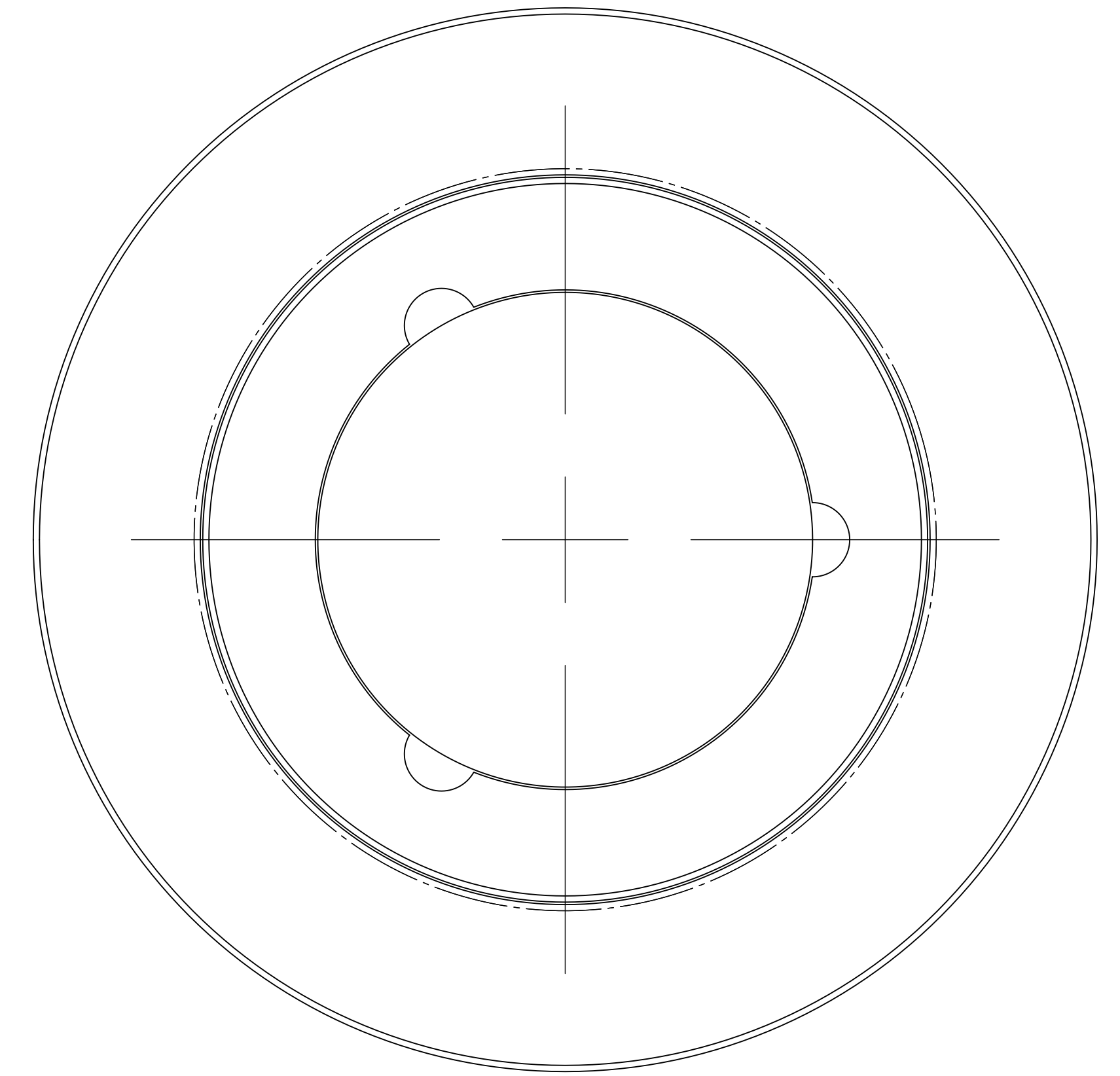
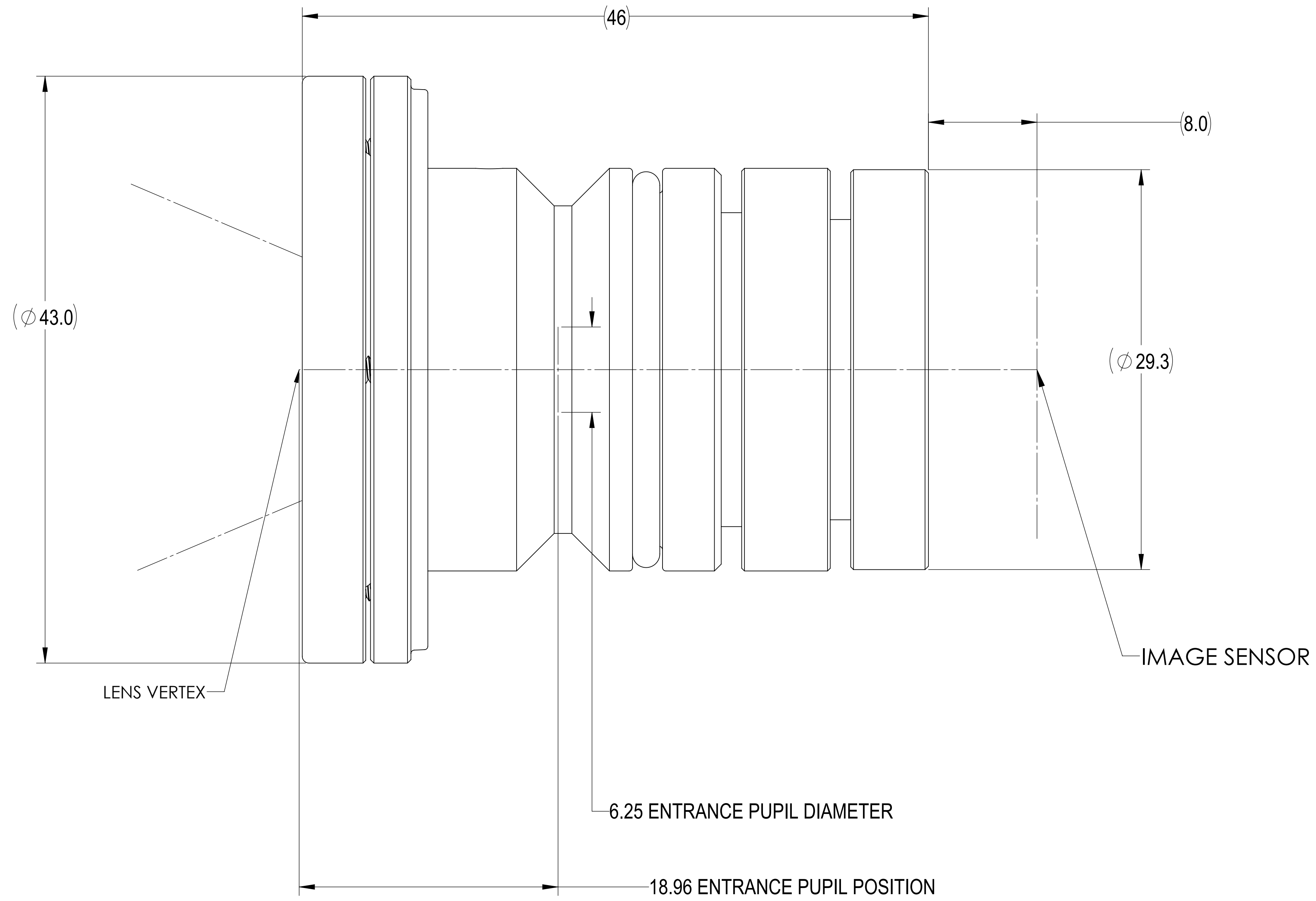
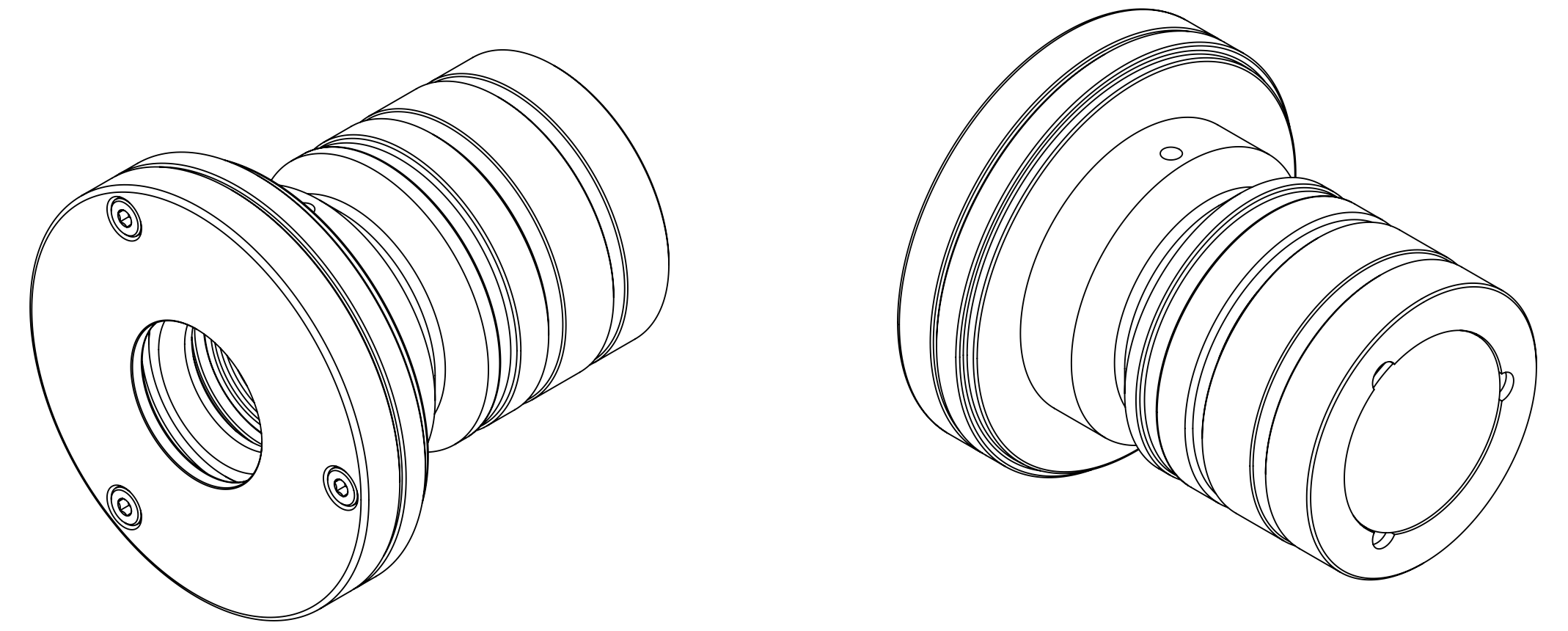
Applications

- Autonomous vehicles
- Enterprise drones
- Security
- Surveillance

Optical Specifications

Imager Format	1" (4K compatible)
Focal Length (mm)	18.75 mm
F/#	2.8
TTL	55.0 mm
Image Circle (nominal)	16.0 mm
Field of View	47.1° diagonal
Distortion	<2.0%
Relative Illumination	>80%
MTF	Contact Navitar Sales
Resolution	On-axis: > 200 lp/mm S&T Field Edge: > 200 lp/mm S&T
Chief Ray Angle	< 4° 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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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS		DEBUR AND BREAK SHARP EDGES		DRAWN	NAME	DATE	Hyperion Development, LLC. 2420 Camino Ramon, Suite 230 San Ramon, CA 94583	
SURFACE FINISH: X ± .13				CHECKED	A.G.	09/21/15	TITLE:	
ANGULAR: ± 0.5°				ENG APPR.			CROW OUTLINE	
		INTERPRET GEOMETRIC TOLERANCING PER:		MFG APPR.			SIZE DWG. NO.	
		MATERIAL		Q.A.			D CROW COMMERCIAL	
		SEE NOTES		COMMENTS:			REV	
NEXT ASSY		USED ON		FINISH			L	
APPLICATION		DO NOT SCALE DRAWING		SEE NOTES			SCALE: 1:1 WEIGHT: SHEET 1 OF 1	

BROW COMMERCIAL