

Dragon Wide and Narrow HDR Lenses

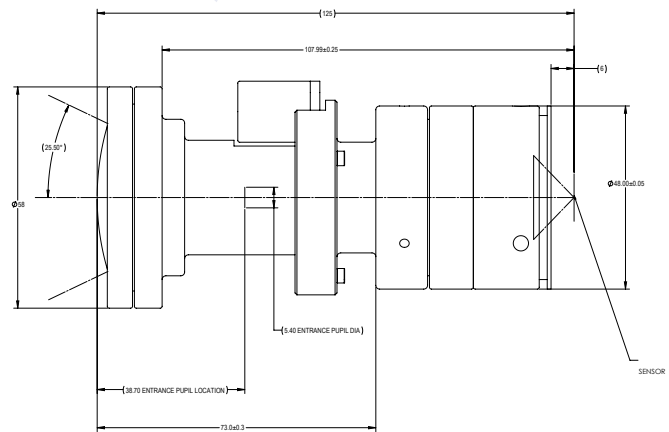
Navitar offers compact, lightweight, HDR wide angle lenses designed for use with 12-16 Megapixel 1" format cameras with a 2.4um or 3.45um pixel pitch. The Dragon models are athermal over the operating temperature range and capable of day-night band operation 450nm to 850nm simultaneously.

Key Features

- All glass construction
- Rectilinear distortion correction (Narrow)
- F- θ distortion (Wide)
- 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



	Dragon Wide	Dragon Narrow
Imager Format	1" (4K compatible)	1" (4K compatible)
Focal Length	9.50mm	17.75mm
F/#	1.8	1.8
TTL	125.0mm	125.0mm
Image Circle (nominal)	16.0mm	16.0mm
Field of View	96.5° diagonal	50.7° diagonal
F- θ Distortion	<0.5%	<2.4%
Relative Illumination	>85%	>80%
MTF	Contact Navitar Sales	Contact Navitar Sales
Resolution	On-axis: >208 lp/mm S&T Field Edge: >208 lp/mm S&T	On-axis: >208 lp/mm S&T Field Edge: >208 lp/mm S&T
Chief Ray Angle	< 2° at 8.0mm image circle	< 2° at 8.0mm image circle
IR Filter	Included	Included
Stray Light Rejection	< 1E10-4 (In-field) < 1E10-5 (Out-of-field)	< 1E10-4 (In-field) < 1E10-5 (Out-of-field)
Focus Stability	Athermal	Athermal

Falcon Wide and Narrow HDR Lenses

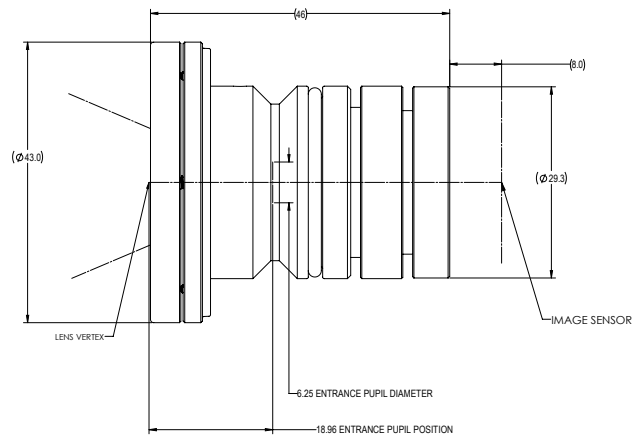
Navitar offers compact, lightweight, HDR wide angle lenses designed for use with 12-16 Megapixel 1" format cameras with a 2.4um pixel pitch.

Key Features

- All glass construction
- IP67 sealed
- Low Rectilinear Distortion (Narrow)
- F- Θ distortion (Wide)
- 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



	Falcon Wide	Falcon Narrow
Imager Format	1" (4K compatible)	1" (4K compatible)
Focal Length	7.10mm	18.75mm
F/#	2.4	2.8
TTL	55.0mm	55.0mm
Image Circle (nominal)	14.0mm	14.0mm
Field of View	112.0° diagonal	47.1° diagonal
F- Θ Distortion	<0.5%	<1.0%
Relative Illumination	>85%	>80%
MTF	Contact Navitar Sales	Contact Navitar Sales
Resolution	On-axis: >200 lp/mm S&T Field Edge: >140 lp/mm S&T	On-axis: >200 lp/mm S&T Field Edge: >200 lp/mm S&T
Chief Ray Angle	< 4° at 8.0mm image circle	< 4° at 8.0mm image circle
IR Filter	Included	Included
Stray Light Rejection	< 1E10-4 (In-field) < 1E10-5 (Out-of-field)	< 1E10-4 (In-field) < 1E10-5 (Out-of-field)
Focus Stability	Athermal	Athermal