



PRODUCT DATA SHEET



Telecentric Lenses for Hyperspectral Imaging Sensors

- 25mm & 37mm VNIR, 25mm & 85mm SWIR
- Telecentric f/2.5 exit pupil
- High optical transmittance
- Industry-standard C-Mount
- Unvignetted 11mm dia image circle
- Strict control over chromatic aberrations
- Hard anodized surfaces resist abrasion
- Assembled in dry-nitrogen environment
- O-Ring sealed at both ends
- Cam-driven focus with locking feature
(motorized focus option available)

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Parameter	25mm VNIR	37mm VNIR	25mm SWIR	85mm SWIR
Passband	400-1000nm		900-2500nm	
WFNO	F/2.5 (Fixed ASTOP)			
Unvignetted Image Circle	11.0mm			
Transmittance (mean)	89%	86%	90%	90%
Exit Pupil Location *	-308.25mm	-447.1mm	-301.79mm	-519.00mm
Focus	250mm to infinity, Cam-driven, lockable	400mm to infinity, Cam-driven, lockable	250mm to infinity, Cam-driven, lockable	12m to infinity, Cam-driven, lockable
Size & weight (mm, g)	61 L X Ø 54; 220-230 g	90 L X Ø 50; ≤ 270 g	52 L X Ø 54; 210 g	79 L X Ø 44; 244 g
Thread per inch/Pitch dia	Ø M35 X 1.0	Ø M35 X 1.0	Ø M6 X 0.5	Ø M40.5 X 0.5
MTF @ 50cy/mm (mean)**	0.76	0.82	0.82	0.58
Geometric (F-THETA) distortion**	≤ 2.5%, 5.5 mm O.A.	≤ 1.5%, 5.5 mm O.A.	≤ 0.3%, 5.5 mm O.A.	≤ 0.8%, 5.5mm O.A.
Residual Lateral Color**	≤ 3 microns	≤ 1 microns	≤ 2.5 microns	≤ 3 microns
ICD	Available upon request			

* With respect to C-Mount Flange (negative values signify pupil location is on scene-side of flange)

** Focused at infinity



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