

SWIR 12.5

Short Wave Infrared

With one of the highest resolution short-wave infrared lenses in industry, our SWIR offers unmatched performance for all night and infrared applications. Our in-stock lenses operate at 0.9-2.5 um wavelength industry standard with less than 2% distortion.



Custom solutions are available, please contact us for more details.

KEY FEATURES

- High Precision Focusing Locking Mechanism
- Excellent Infrared Coating Techniques
- Full Spectrum Aberration Correction
- Ultra-Broadband Antireflection Coatings
- Outstanding Spectral/Spatial Resolution
- Low Levels of Scattered or Stray Light

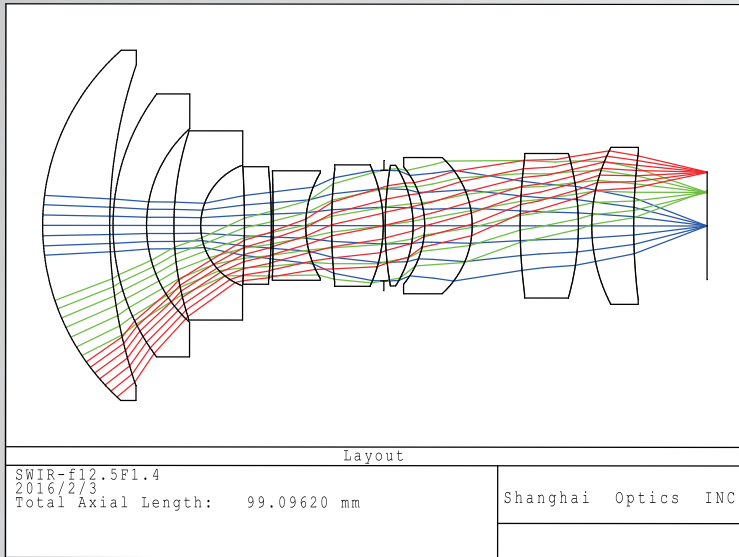
OPTICAL SPECIFICATIONS

EFFECTIVE FOCAL LENGTH	(MM)	12.5
TOTAL TRACK	(MM)	82.0
F/#		1.4
Paraxial Image Height	(MM)	8.0
FIELD OF VIEW	(HxV)	2/3" 38°47'x 29°35' 1/2" 28°43'x 21°44' 1" 54°13' x 42°01'
AR COATING	(nm)	700-1900
MECHANICAL INTERFACE		C-MOUNT
OPERATING TEMPERATURE	(°)	-20 - + 40

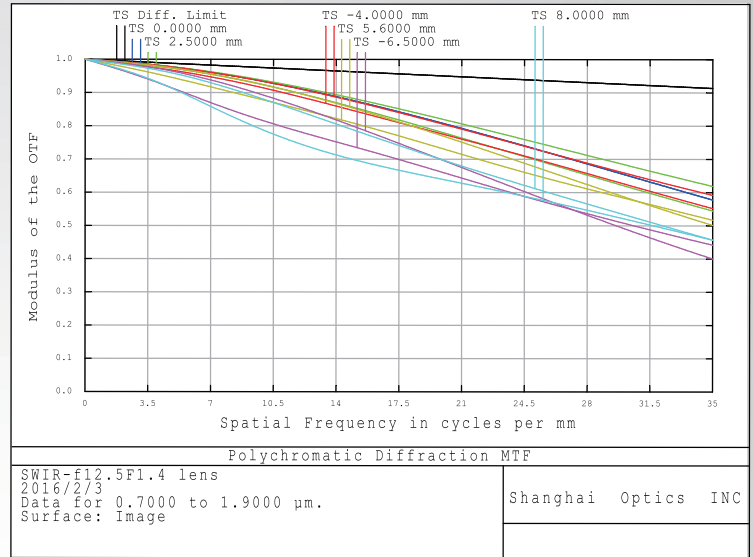
CONTACT

RFQ@SHANGHAI-OPTICS.COM
 US HEADQUARTERS
 17 BRANT AVE. SUITE #6
 PHONE: 732-321-6915

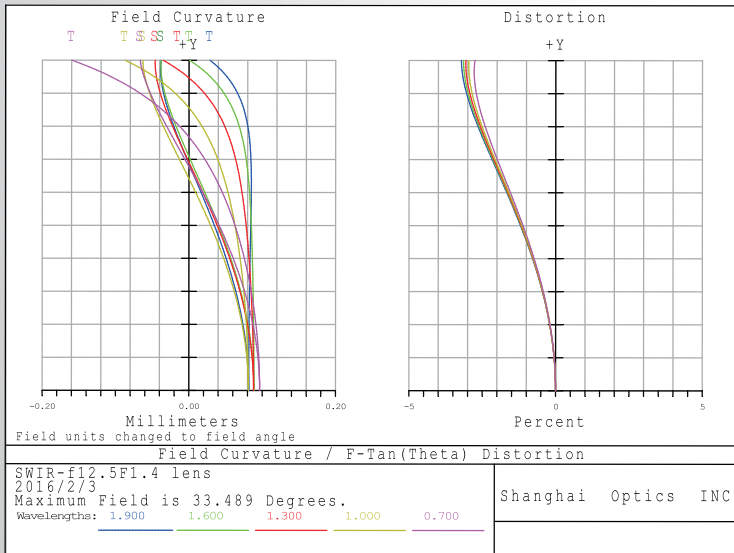
MIDWEST OFFICE
 PHONE: 970-744-3721



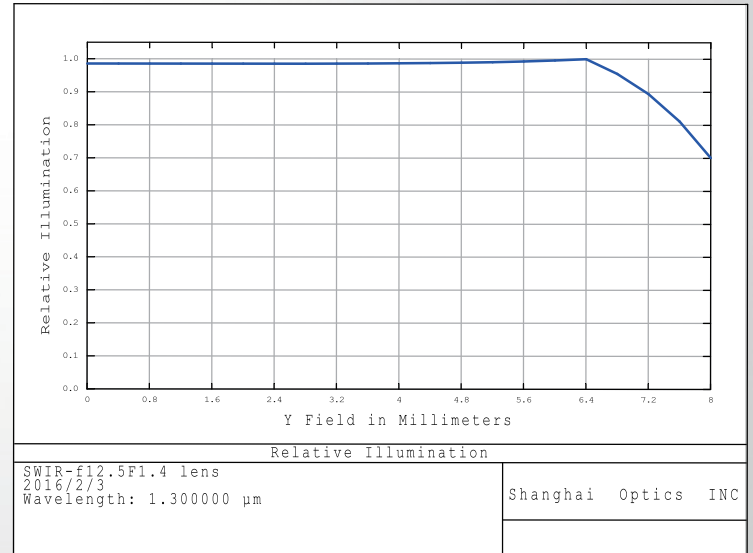
SWIR lens layout (f12.5mm F1.4)



Polychromatic Diffraction MTF showing SWIR lens quality (f12.5mm F1.4)



Lateral Color with Airy Disc reference (f12.5mm F1.4)



F-Theta Distortion (f12.5mm F1.4)