

MWIR MACRO LENS

M = 5.0x / NA 0.6

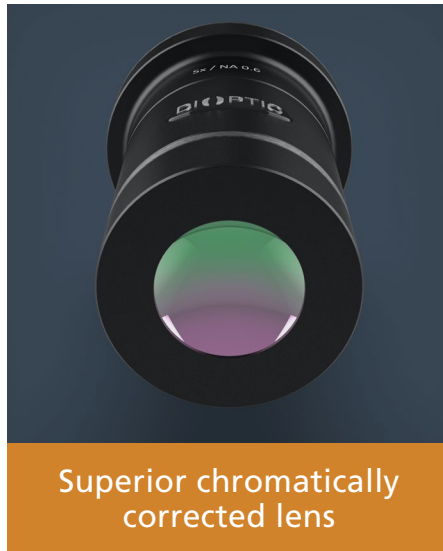
DI(O)PTIC
thinking your optics



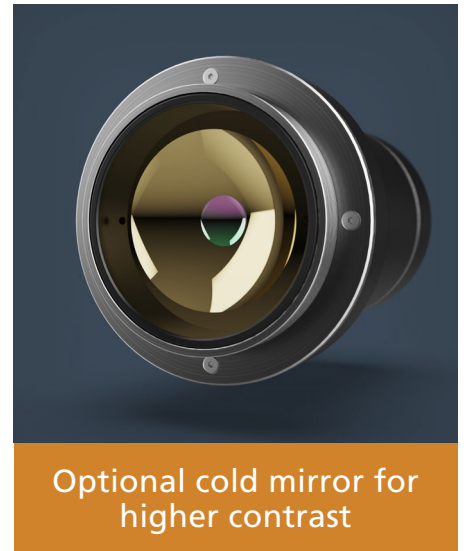
- BEST FOR COOLED DETECTORS
- EXCELLENT RESOLUTION
- HIGH TRANSMISSION



Standard warm stop version



Superior chromatically corrected lens



Optional cold mirror for higher contrast

BENEFITS

Designed for high resolution detectors with 15 μm pixel pitch and up to 12.3 mm diagonal

Optimized for the MWIR wavelength range from 3.0 μm to 5.0 μm

Detector-specific cold mirrors are available to reduce thermal background signals

FUNCTIONALITY

The MWIR macro lens has been specifically designed for high-resolution, cooled detectors (FPA) and a broad wavelength range in the medium-wave infrared spectrum. Standard mount interfaces include 4xM4 screw threads on a bolt circle diameter of 70 mm, as well as an adapter

for M62x0.75 threaded mounting. Additional customized mount interfaces are available upon request. To reduce the thermal background the lens can be equipped with a detector-specific cold mirror taking full advantage of cold stop detectors.

SPECIFICATIONS

Magnification	5.0x
F-number	f/4.2
Nominal distance from lens to object	14 mm
Object circle diameter	2.5 mm
Averaged MTF @ 125 lp/mm in object space	
Central field of view	> 15 %
Diagonal field of view	> 10 %
Maximum distortion	< 1.0 %
Vignetting	< 1.0 %