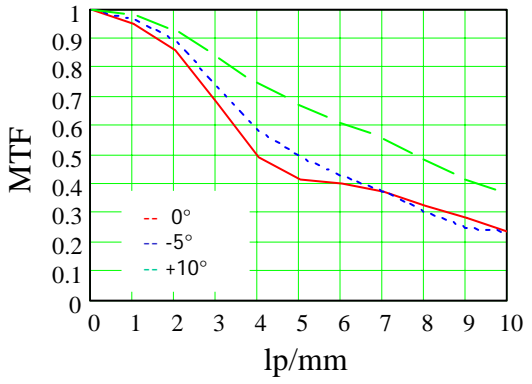
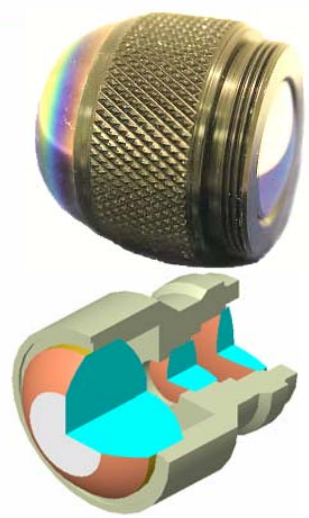


Panoramic IR Lens

(patent pending)



Features

- Panoramic
- Broad Band
- Small Size
- Lightweight
- High Resolution
- Low Cost

Applications

- Security
- Defense
- Instrumentation

Product Description

Agiltron offers a family of innovative IR imaging optics with 360° panoramic lenses. Our lens system enables instantaneous real-time full-surrounding-area imaging or detection, location and tracking of multiple targets. The lens system consisting of only three optical elements: one unique hybrid component and two common lenses. These components are made of low cost and moldable chalcogenide glass that can accommodate both MWIR and LWIR wavelength ranges. These unique features provide a best solution for a high resolution panoramic IR imaging with high signal intensity level and having the smallest size, lowest weight, and lowest cost.

Performance Specification

Panoramic IR Lens			Unit	
Wavelength	0.5 ~ 2	3 ~ 5	8 ~ 14	um
Focal length	7			mm
F number	1.5			
Number of lens	3			piece
Angular FOV	-5 ~ 10 x 360			degree
Back focal lenth	5.3			mm
Resolution	10			lp/mm
Working distance	500 to infinity			mm
Diameter	27			mm
Length	22			mm
Mount	C-mount			

