

50mm Athermalized Fixed Longwave Infrared Camera Lens

ZV-LAF50W62-M34

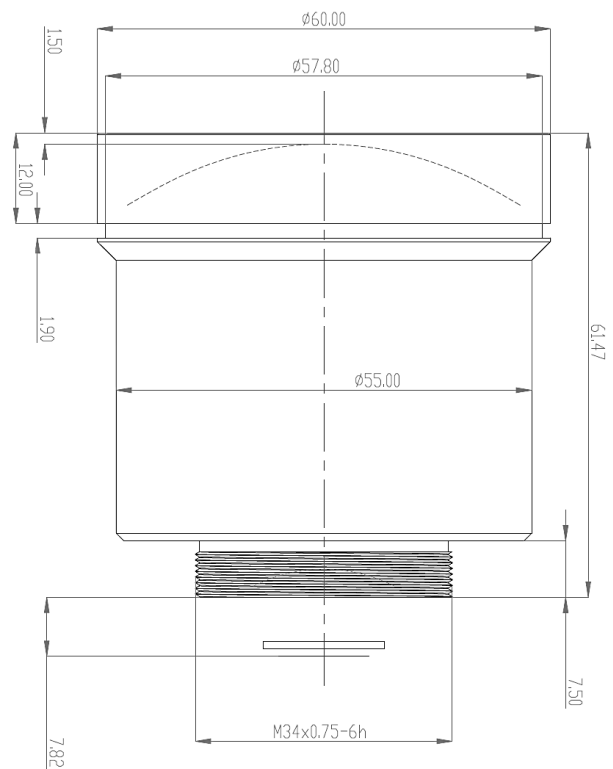


Feature

- Germanium-Free LWIR Lens**
 Export-control free. No supply chain restrictions for global deployment.
- Athermalized Performance**
 Stable imaging from -40°C to +80°C without refocusing. Ideal for harsh environments.
- High Sensitivity**
 50mm, F/1.0 aperture with $\geq 86\%$ transmission (8 ~ 12 μm). Superior low-contrast detection in total darkness, fog, or smoke.
- Compact & Rugged**
 174g, $\Phi 60 \times 61.47\text{mm}$. IP67 sealed. Compatible with 640 $\times$ 512/12 μm sensors.

Dimension

Unit: mm



**Reliable. Unrestricted. Ready for
global defence, surveillance, and
industrial IR systems.**

Specifications

Lens	
Type	Athermalized Fixed Lens
Focal Length	50mm
Aperture Range	F1.0
FOV	8.8° × 7.0° (640 × 512/12μm)
Focusing Range	5M ~ ∞
Sealing	IP67 (front of lens)
Coating	HD
Spectral Band	8 ~ 12μm
Transmission	≥86% @ 8 ~ 12μm
M.B.F.L	8.5mm
General	
Operating Conditions	-40°C ~ 80°C
Dimensions	Φ60 * 61.47mm
Weight	174g