

# 19mm Athermalized Fixed Longwave Infrared Camera Lens

ZV-LAF19W62-M34

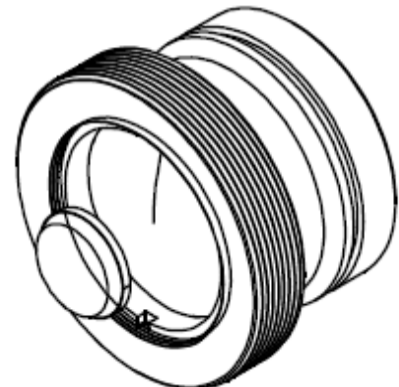
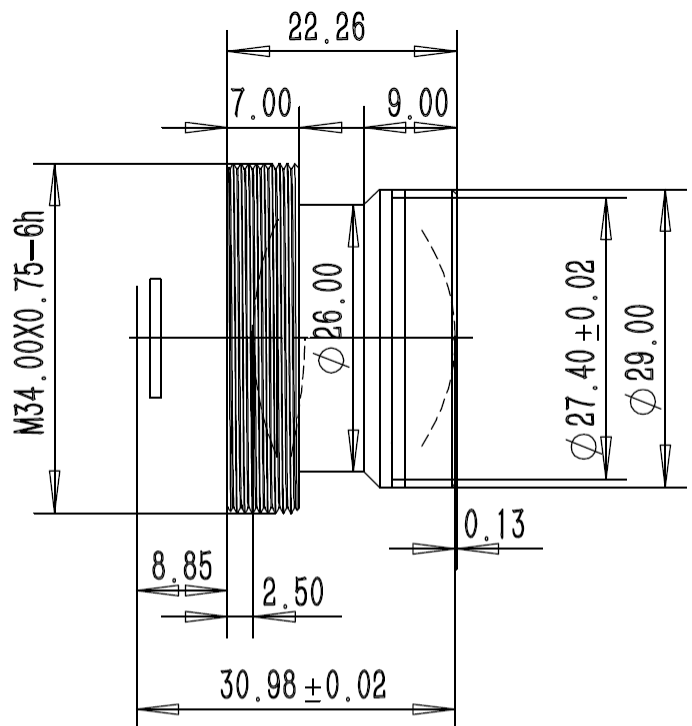


## Feature

- 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**  
 19mm, F/1.0 aperture with  $\geq 86\%$  transmission (8 ~ 12 $\mu\text{m}$ ). Superior low-contrast detection in total darkness, fog, or smoke.
- Compact & Rugged**  
 41g,  $\Phi 34 \times 22.3\text{mm}$ . IP67 sealed. Compatible with 640x512/12 $\mu\text{m}$  sensors.

## Dimension

Unit: mm



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

## Specifications

| Lens                 |                                |
|----------------------|--------------------------------|
| Type                 | Athermalized Fixed Lens        |
| Focal Length         | 19mm                           |
| Aperture Range       | F1.0                           |
| FOV                  | 23.2° × 18.5° (640 × 512/12μm) |
| Focusing Range       | 1M ~ ∞                         |
| Sealing              | IP67 (front of lens)           |
| Coating              | AR                             |
| Spectral Band        | 8 ~ 12μm                       |
| Transmission         | ≥86% @ 8 ~ 12μm                |
| M.B.F.L              | 8.5mm                          |
| General              |                                |
| Operating Conditions | -40°C ~ 80°C                   |
| Dimensions           | Φ34 * 22.3mm                   |
| Weight               | 41g                            |