

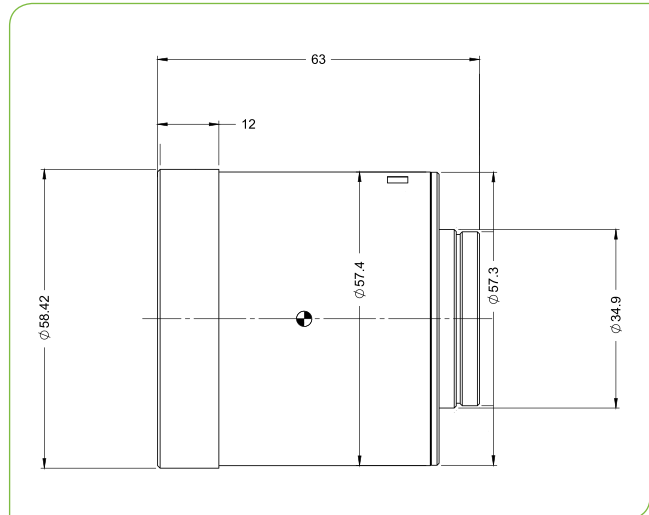
SupIR 50mm f/1.2, Fixed Athermalized 680114

TYPICAL ICD*

LWIR | 1-FOV



HD
FORMAT



| HFOV | 320x240 | 384x288 | 640x480 | 1024x768 |
|------|---------|---------|---------|----------|
| 17μ | 6.2° | 7.5° | 12.4° | |
| 12μ | 4.4° | 5.3° | 8.8° | 14.0° |

| Property | | Value | | | |
|-------------------------------|-------------|--------------------------|-------|---------|---------|
| Optical | | | | | |
| Focal Length | | 50mm | | | |
| F# | | 1.2 | | | |
| Average transmission (8-12μm) | | 94% (HD) / 88% (HC) | | | |
| Back Focal Length | | 33.68mm in air | | | |
| Mechanical | | | | | |
| Focus Mechanism | | Fixed | | | |
| Depth of Field | | 100m to infinity | | | |
| Focus Range | | 1.5m to infinity | | | |
| Weight | | 238gr | | | |
| Max. Dimensions | | Ø58.42mm x 63mm | | | |
| Environmental | | | | | |
| Operation Temperature | | -40°C to +80°C | | | |
| Storage Temperature | | -55°C to +85°C | | | |
| Sealing | | IP 67 front element only | | | |
| Configurations | Weight (gr) | Dimensions | BWD** | Thread | Coating |
| 680114-001 | 238 | Ø58.4mm x 63mm | 9.7 | M34x0.5 | HD |
| 680114-002 | | | | | HC |
| 680114-005*** | | | | | HC |

* The ICD drawing provided here is primarily a representation and may not accurately reflect the product's actual dimensions and specifications. For precise integration specifications contact your local sales representative.

** The BWD value is calculated for a unique detector setup with varying sealing windows in terms of thickness and material. For more details, contact your local sales representative.

*** Completely sealed