



EX-SIGHT ADVANCED ELECTRO-OPTICS

DEEPSHERE

SMART ELECTRO-OPTICS DEVELOPMENT PLATFORM

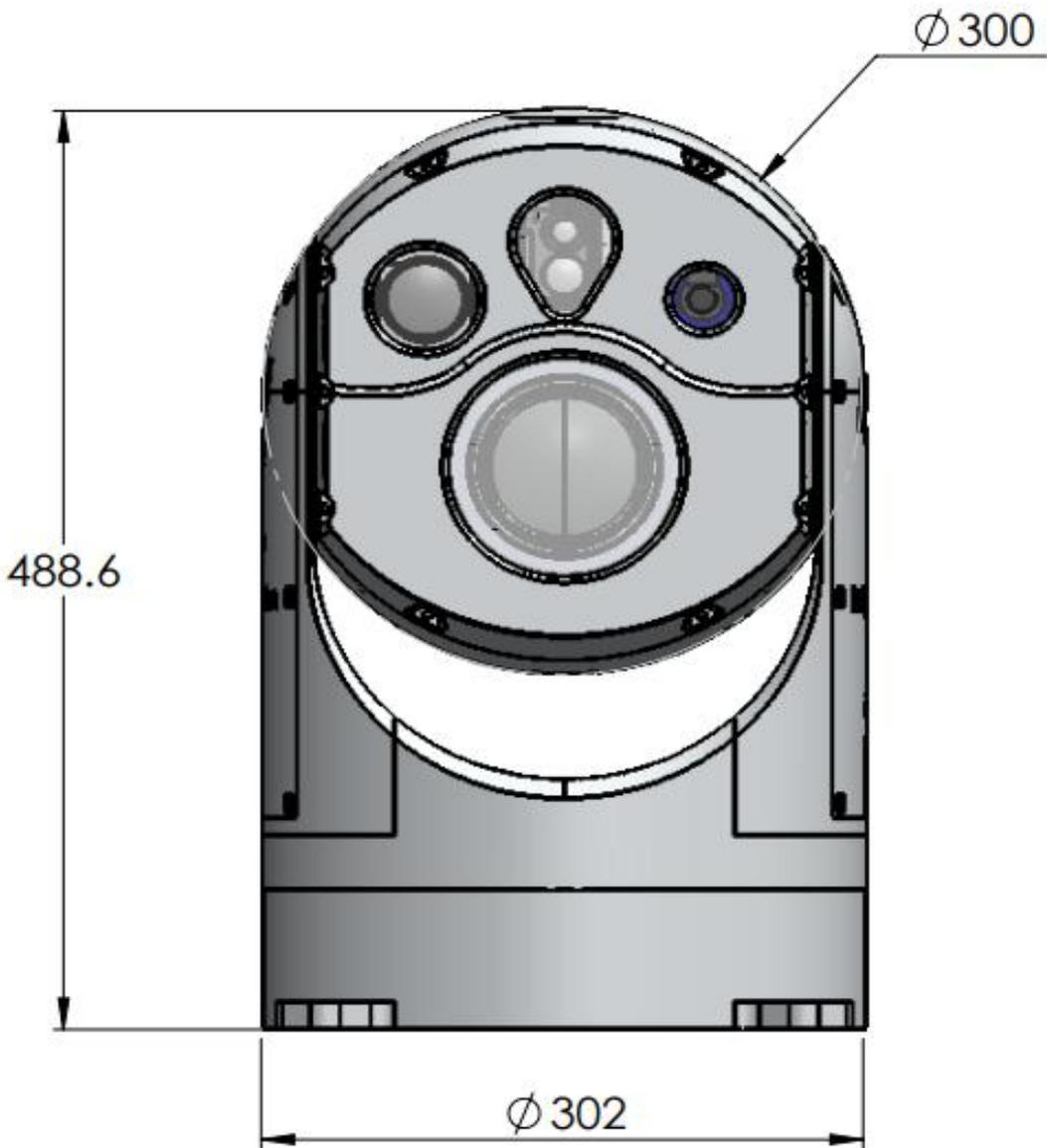
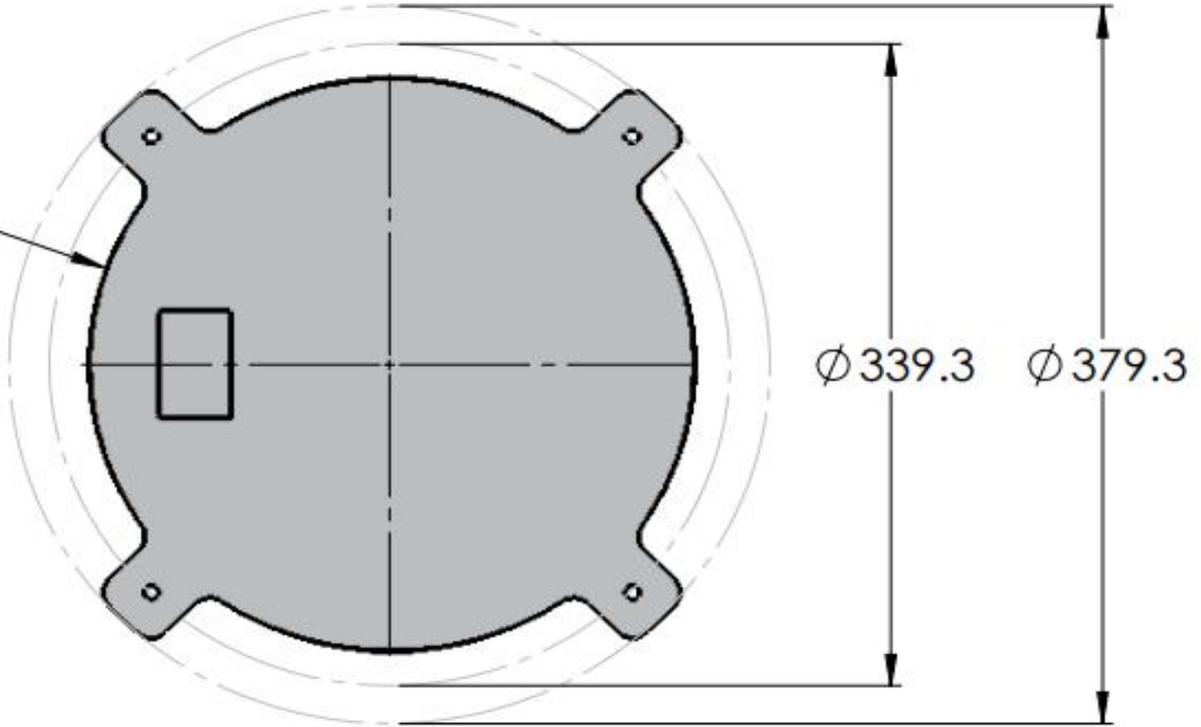
MODEL	MWIR 15-300	LWIR 25-150	LWIR 20-100	LWIR HD 25-75
LOW LIGHT DAY SENSOR	3.0MP Global Shutter Zoom Block Optical x30 Digital x16 Resolution 2048x1536 @ 30fps Focal Length 5.5mm-165mm FOV 46.5° - 2.2° Or 3.7MP SONY IMX675 Zoom Block Optical x40 Digital x32 Resolution 2560x1440 @ 30fps Focal Length 4.25mm-170mm FOV 73.8° - 2.16°			
DAY WINDOW	SAPPHIRE			
NIGHT SENSOR	COOLED MWIR x20 Zoom 15-300 mm F4.0 FOV 1.83° to 35.5°	LWIR 640x512 x6 Zoom 25-150mm FOV 17,5° to 2,93°	LWIR 640x512 x5 Zoom 20-100mm FOV 22,5° to 4,4°	LWIR 1280x1024 x3 Zoom 25-75mm FOV 32° to 10.9°
NIGHT GLASS	GE/SILICON windows, Size: φ92.6x5mm, AR/DLC			
POSITION	Horizontal / Vertical Installation			
DRI – Detection, Recognition, Identification				
DETECTION (m) Human/NATO target	8,660/14,500	4,300/9,583	2,886/6,388	2,165/4,791
RECOGNITION (m) Human/NATO target	4,330/9,583	2,165/4,791	1,443/3,194	1,082/2,395
IDENTIFICATION (m) Human/NATO target	3,247/7,187	1,623/3,593	1,082/2,395	812/1,797
LRF Laser Range Finder	8KM NATO Target, Precision 0.01 – 0.5 m, Beam divergence 0.6 mrad, Eye safe Laser Class 1			
NPU	CPU Intel® Core™ Ultra Processors ,RAM 64GB, SSD 1TB ,INTEL® ARC™			
POWER	12-40 VDC 120W Max. MIL.STD704, MIL.STD810G POWER STABILIZER			
DIMENSIONS (mm)	190 X 284 x 300 mm			
INTERFACE	ETHERNET INTERFACE			
CONNECTOR	Hermetic Stainless Steel D38999/23YC35PN			
WEIGHT (Kg)	9 kg	9 kg	9 kg	9 kg
IP RATE	Sealed IP67 Nitrogen Purged			

*DRI Calculation according to Johnson Criteria (Lines 3/6/8 D/R/I)

MODEL	SWIR HD 7.1-200
LOW LIGHT DAY SENSOR	3.0MP Global Shutter Zoom Block Optical x30 Digital x16 Resolution 2048x1536 @ 30fps Focal Length 5.5mm-165mm FOV 46.5° - 2.2° Or 3.7MP SONY IMX675 Zoom Block Optical x40 Digital x32 Resolution 2560x1440 @ 30fps Focal Length 4.25mm-170mm FOV 73.8° - 2.16°
DAY GLASS	SAPPHIRE GLASS
NIGHT SENSOR	SWIR 1280x1024 x28 Zoom 7.1-200mm FOV 48.5° to 1.83°
NIGHT GLASS	GE/SILICON windows
POSITION	Horizontal / Vertical Installation
DRI – Detection, Recognition, Identification	
DETECTION (m) Human/NATO target	13,856/30,666
RECOGNITION (m) Human/NATO target	6,928/15,333
IDENTIFICATION (m) Human/NATO target	5,196/11,500
LRF Laser Range Finder	8KM NATO Target, Precision 0.01 – 0.5 m, Beam divergence 0.6 mrad, Eye safe Laser Class 1
NPU	CPU Intel® Core™ Ultra Processors ,RAM 64GB, SSD 1TB ,INTEL® ARC™
POWER	12-40 VDC 120W Max. MIL.STD704, MIL.STD810G POWER STABILIZER
DIMENSIONS (mm)	190 X 284 x 300 mm
INTERFACE	ETHERNET INTERFACE
CONNECTOR	Hermetic Stainless Steel D38999/23YC35PN
WEIGHT (Kg)	9 kg
IP RATE	Sealed IP67 Nitrogen Purged

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R151



Units: mm



SIGHTDESK

AUTOMATED TRACKING VIDEO SOFTWARE

- Multi Sensor Management
- Passive Electro Optic RADAR Client / Server
- Enhanced Digital Video Trackers / Classifiers
- Pan, Tilt, Zoom, Day, Night, LRF Control
- Geo-Positioning with pre-loaded route tracking
- INS Gyro Stabilization
- Electronic Stabilization
- Video Analysis, ATR, Detection, Tracking & Classification
- Integrated Tracker / Simulator / Trainer
- Mapping and FOV Zone view
- Recording & Logging
- Integration with external resources, Drones, Radars
- Open Source C# SDK, open source code available



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