

2026 PRODUCT CATALOG

INTEGRATED ELECTRO-OPTICS PLATFORMS



DEEPSPHERE

Integrated Electro-Optic Development GIMBAL



DETECT. IDENTIFY. DOMINATE.

SightDESK.
Live Streaming.
Telemetry Data.
Geo-Position.
Fire-Detector.
Storage.
Alerts.
ATR.
Stabilization.
Panorama.
Video-RADAR
Customized GUI.
Code.
Discovery Tool.
Secured VLAN.

complete software solution, control center application
Fusion | Day | Night | Scene Real-Time Streams
Detectors, Trackers, LRF, Pan Tilt Data, INS
INS, GPS, Compass, IMU, GYRO, Mapping
Day and Night fire risk detection
Video/Audio Storage Manager, Logger
Alert manager, IO connectivity and LAN/WAN alerts
Target Detection / Tracking / PTZ Tracker
EIS (3 Axis Image) and Gyro Stabilization
Panorama Generator.
Automatic Detection/Tracking for Specified Zones
Win forms or Web
Ready to run Code examples and Open Source .Net software interface
Open-source discovery tool with your brand
with Single IP Address to the device

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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			
Thermal 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			

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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 WINDOW	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
SWIR 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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DIMENSIONS (LxWxH, mm) ...x302x488.6 Ø300
WEIGHT 9 kg

