

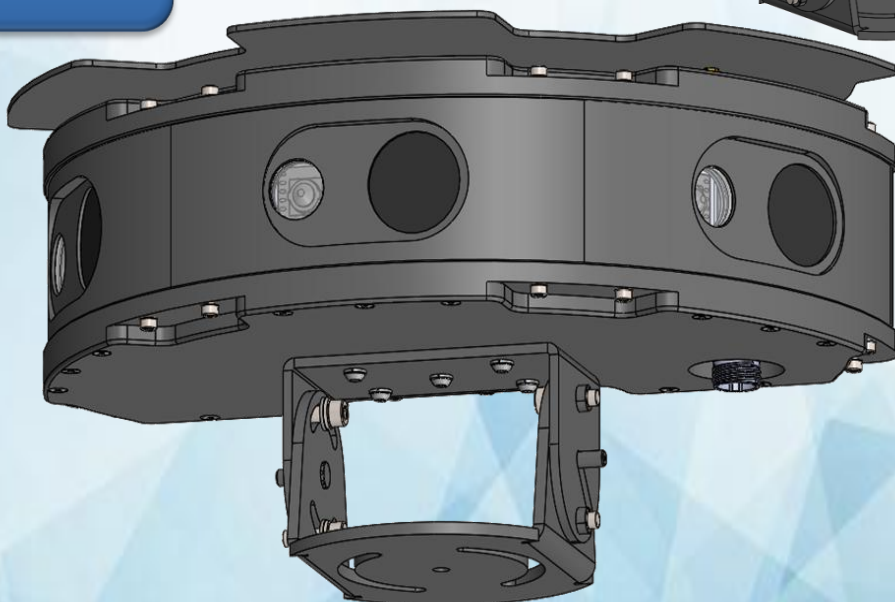
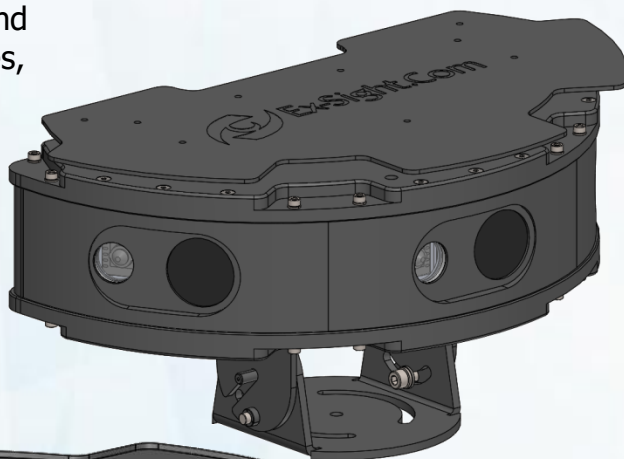
SA180

IP67 Day & LWIR 180 Deg. Situational Awareness

SA180 is a Multi Sensor Situational Awareness System. It integrates 3 sensors (3 Day and 3 LWIR) which provide a real time 180° panoramic view. Panoramic imagery coupled with intrusion detection and tracking allows enhanced perimeter security of vehicles, vessels, or any vulnerable sites. The system provides single Ethernet interface for all 6 sensors.

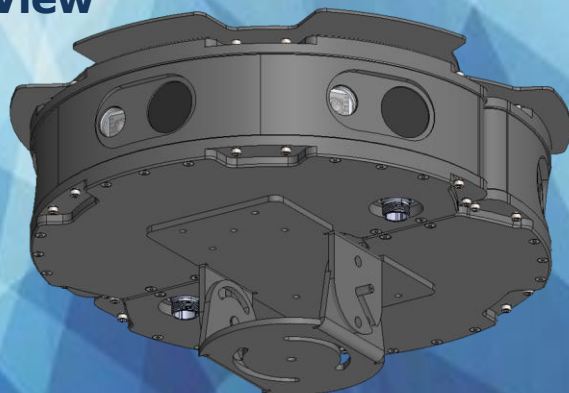
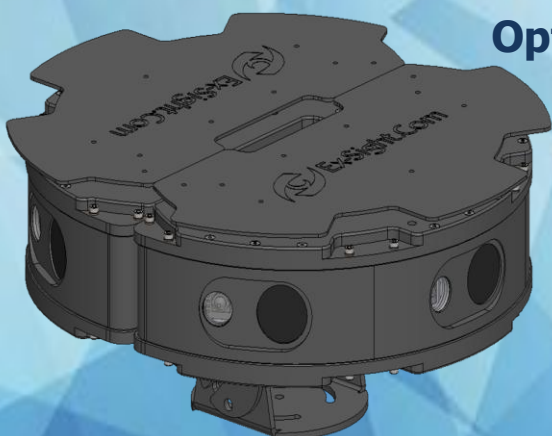


Germanium Window
Uncooled LWIR Sensor
640 x 480 Pixels
9mm Lens



1080p
Starlight
FULL HD
Day
Sensor

Optional : 360 View



SA180

IP67 Day & LWIR All Around Situational Awareness



HUMAN DETECTION RANGE
FUSION 640-9mm: 285m, 69 Deg.



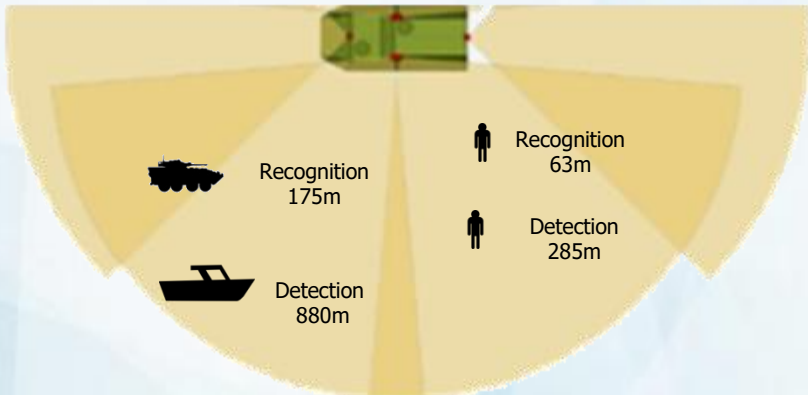
HUMAN RECOGNITION RANGE
FUSION 640-9mm: 63m, 69 Deg.



NATO DETECTION RANGE
FUSION 640-9mm: 880m, 69 Deg.



NATO RECOGNITION RANGE
FUSION 640-9mm: 175m, 69 Deg.

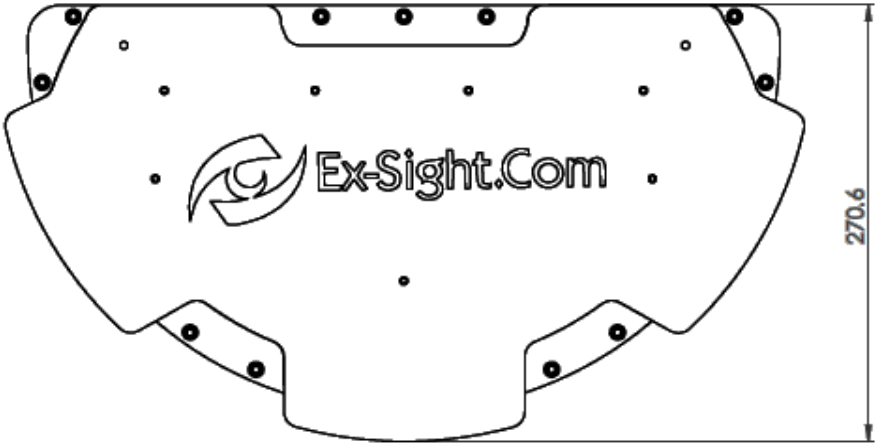


LWIR Sensor	LWIR Imager	Uncooled VOx Microbolometer
	Resolution (Pixels)	Up to 1280x1024
	LWIR Lens	9mm
	Spectral Band	7.5 - 14 μ m
	Frame Rate	30Hz
	Sensitivity (NEdT)	<35 mK at f/1.0
	Lens Material	Germanium
Day Sensor	Resolution	1920 x 1080, e30 fps
	Lens	Synchronized With LWIR FOV
	Start up Time	6 sec.
	Lens Material	SAPHIR
Sensors Quantity	X3 Day, X3 LWIR	
Interface	Ethernet (IP)	
Power	Input	8-32VDC
	Heater operation	Start: <15° C, Stop>20° C
Embedded Video Recording	Storage	Up to 6TB SSD
	Video Monitoring	Remote Monitoring via Web Interface / RTSP
Housing	Material	Anodized Aluminium
	Connectors	D38999
Environmental	Operating Temp	-40°C to +80°C
Certifications	Protection Rate	IP67

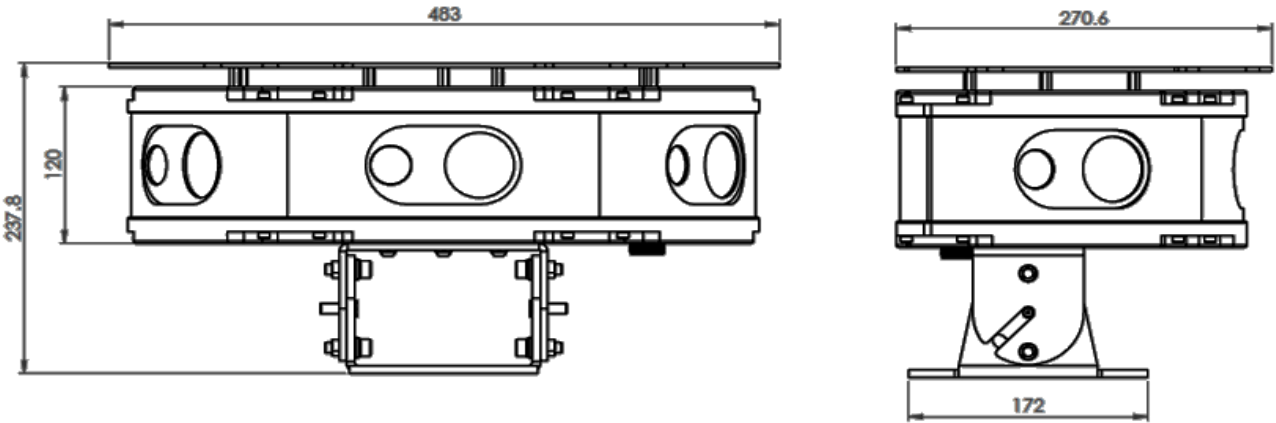
SA180

Dimensions, mm

Top View



Front View



Top View 360

