

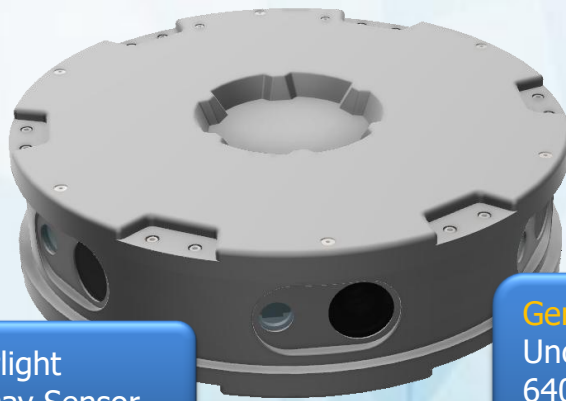
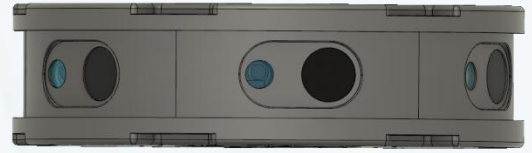
FUSION 360

IP67 Day & LWIR All Around Situational Awareness

FUSION 360 is a Multi Sensor Situational Awareness System. It integrates 12 sensors (6 Day and 6 LWIR) which provide a real time 360° panoramic view.

Panoramic imagery coupled with intrusion detection and tracking allows enhanced perimeter security of vehicles, vessels, or any vulnerable sites.

The system embeds a hybrid video recorder which is compatible with analog and network IP sources, enables up to 6TB SSD Storage and remote web monitoring.



1080p Starlight
FULL HD Day Sensor

Germanium Window
Uncooled LWIR Sensor
640 x 512 Pixels
19mm Lens

Target Tracking



360° Panorama



FUSION 360

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.

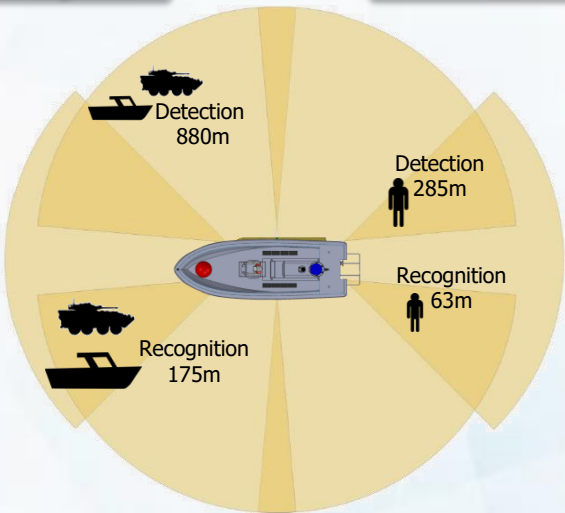


NATO DETECTION RANGE

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

NATO RECOGNITION RANGE

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

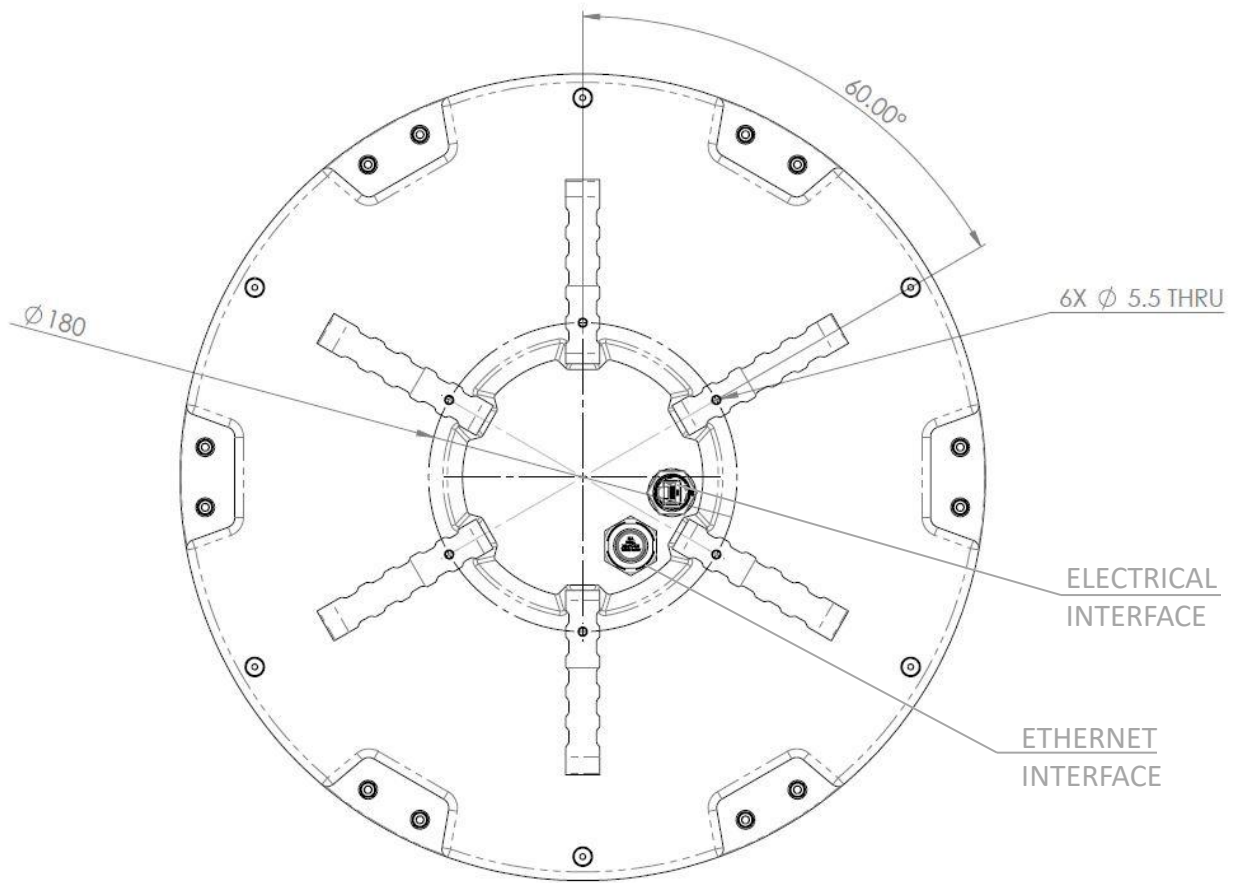


LWIR Sensor	LWIR Imager	Uncooled VOx Microbolometer
	Resolution (Pixels)	640x512
	LWIR Lens	9mm
	Lens Focal Length	69° x 56°
	Spectral Band	7.5 - 13.5 μm
	Frame Rate	30Hz
	Sensitivity (NEdT)	<50 mK at f/1.0
Day Sensor	Resolution	1920 x 1080, e30 fps
	Lens	Synchronized With LWIR FOV
	Start up Time	6 sec.
Sensors QTY	X6 Day, x6 LWIR	
Interface	1xEthernet (IP), 6xCVBS	
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

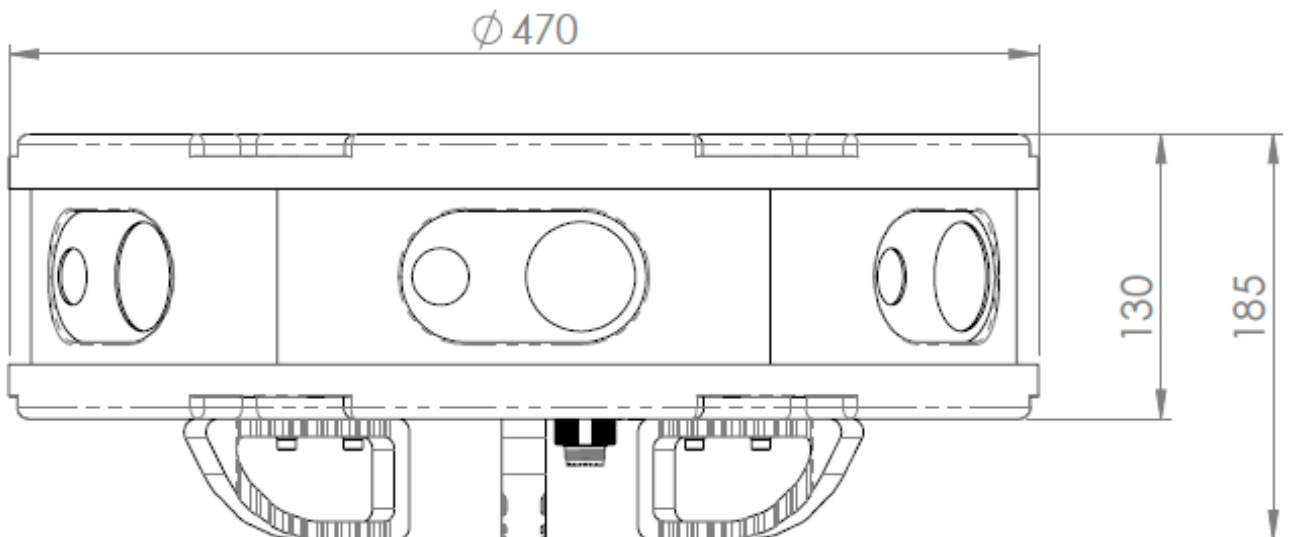
FUSION 360

Dimensions, mm

Bottom View



Front View



FUSION 360

IP67 Day & LWIR All Around Situational Awareness

