



FUSION-F, Beyond Visibility

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FUSION-F640-FHD-G

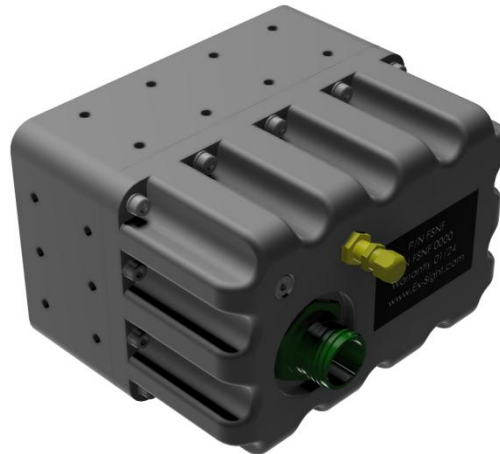
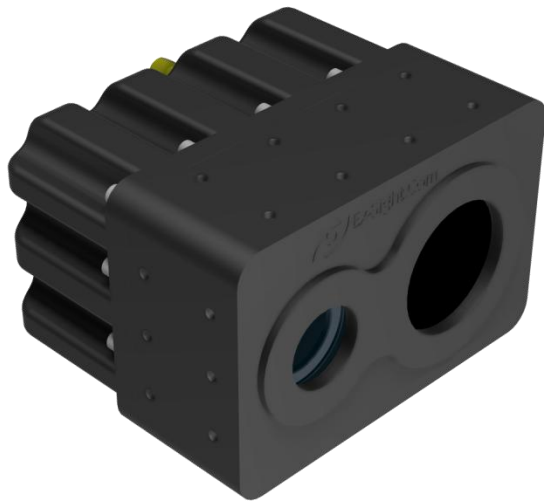
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What is FUSION-F640-FHD-G?

FUSION-F640-FHD-G is a powerful DUAL SENSOR Ethernet vision system that lets you visualize surroundings in total darkness providing superior awareness and protecting you and your vehicle 24/7.

FUSION-F640-FHD-G features “Drive by Video” capability, allowing safe off-road driving, as well as identification and tracking of allies and adversaries.

Using the latest video footage technology, Thermal and Day vision sensors provide military quality solution.



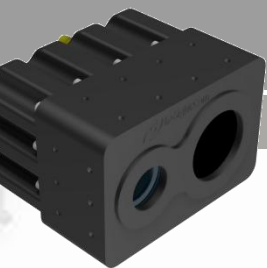
HUMAN RECOGNITION RANGE

SD640 – 200m



Why FUSION-F640-FHD-G?

- Single Ethernet Interface for two sensors
- Two Analog Out CVBS interfaces
- Ethernet LWIR 640x512 ONVIF, Germanium Window
- Low Light Ethernet Day Sensor 1080x1920
- IP-67, Nitrogen Purged, Military Grade Product
- Black Hard Anodized CNC Aluminum Chassis
- Easy Sensor-To-Screen, Sensor-To-PC Installation
- Embedded SD card Audio and Video Recording
- Optional: Mil-Std-1275 Power Stabilizer

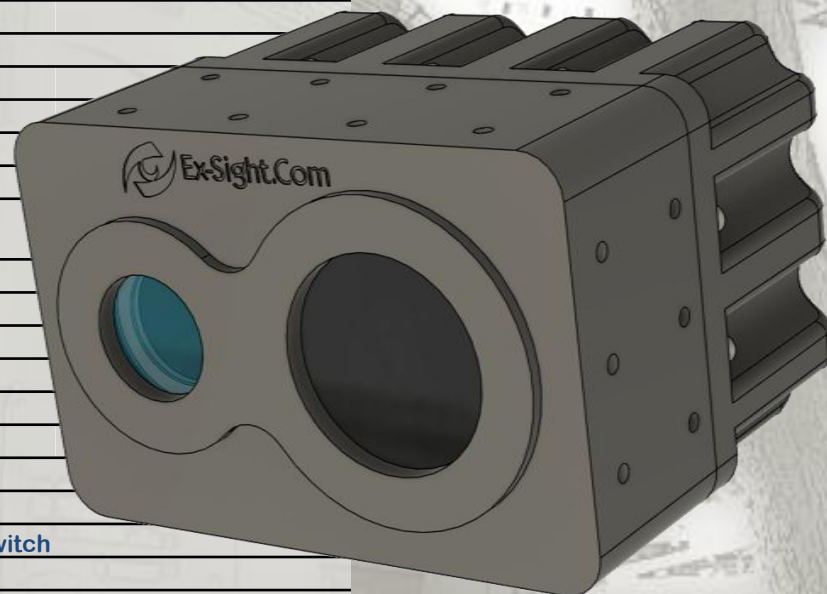


FUSION-F640-FHD-G. Beyond Visibility

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FUSION-F640-FHD-G

Thermal Sensor	Thermal Imager	Uncooled LWIR
	Resolution (pixels)	640x512
	Thermal Lens	5.8 mm
	FOV	67°
	Pitch	12 µm
	Spectral Band	7.5 - 13.5 µm
	Frame Rate	Up to 50 FPS
	Sensitivity (NEdT)	<50 mK at f/1.0
	Front Window	Germanium
	Day Sensor	Day Sensor
Day Lens		,Synchronized with Thermal FOV
Front Window		SAPPHIRE 3mm
Interfaces	ANALOG Out Format	2 outputs x PAL (Day + LWIR)
	Ethernet	Single connection, Internal Embedded switch
	Connectors	D38999/24WC98PN
Power	VIDEO COMPRESSION	H.264 BP/MP/HP, H.265 MAIN PROFILE, MJPEG
	Input	12-48VDC
	Consumption	2A Peak Max, Nominal 0.5A
Housing	Material	Black Hard Anodized Aluminum, Stainless Steel N316 Screws
	Purging	Nitrogen Valve In, Sealed Output Screw
	Sealing	IP-67, Nitrogen Purged, "O" Rings
Physical	Dimensions (LWH, mm)	147x119x96 mm
	Weight	500gr
Environmental	Operating Temp	-20°C to +80°C



FUSION-F640-IP

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Dimensions (mm)

