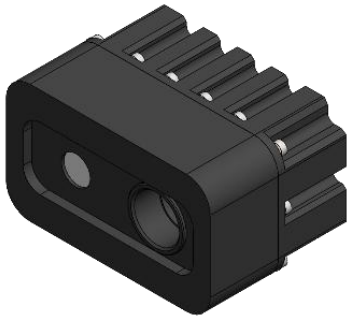


FUSION SERIES

Micro Rugged Day and LWIR Vision System



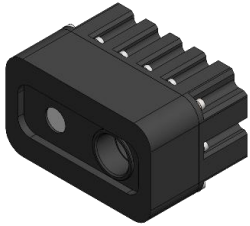
Detection & Recognition Ranges (m)

9mm	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 25%;"><div style="width: 100%; height: 10px; background-color: green;"></div></div> <div>250 meters---Detection</div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <div style="width: 25%;"><div style="width: 25%; height: 10px; background-color: blue;"></div></div> <div>63 meters---Recognition</div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <div style="width: 25%;"><div style="width: 15%; height: 10px; background-color: red;"></div></div> <div>31 meters---Identification</div> </div>
13mm	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 35%;"><div style="width: 100%; height: 10px; background-color: green;"></div></div> <div>490 meters---Detection</div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <div style="width: 35%;"><div style="width: 25%; height: 10px; background-color: blue;"></div></div> <div>95 meters---Recognition</div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <div style="width: 35%;"><div style="width: 15%; height: 10px; background-color: red;"></div></div> <div>47 meters---Identification</div> </div>
19mm	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 50%;"><div style="width: 100%; height: 10px; background-color: green;"></div></div> <div>570 meters---Detection</div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <div style="width: 50%;"><div style="width: 35%; height: 10px; background-color: blue;"></div></div> <div>144 meters---Recognition</div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <div style="width: 50%;"><div style="width: 20%; height: 10px; background-color: red;"></div></div> <div>72 meters---Identification</div> </div>

Lens (mm)	FOV (h x v)	Detection (m)	Recognition (m)
		Human	Human
9	69.2° x 51.6°	250	63
13	46.4° x 35.2°	490	95
19	31° x 24°	570	144

FUSION SERIES

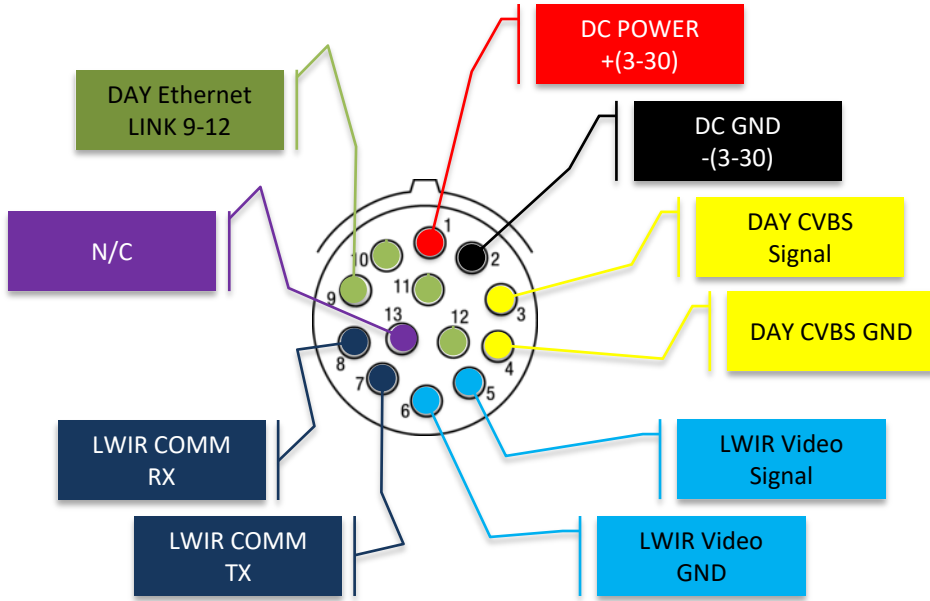
Micro Rugged Day and LWIR Vision System



Thermal Sensor	Thermal Imager	Uncooled VOx Microbolometer
	Resolution (pixels)	640x512
	Thermal Lens	9/13/19 / 25 mm
	Min Wide FOV 9mm	69.2° x 51.6°
	Max Narrow FOV 19mm	32° x 26°
	Pitch	17 μm
	Spectral Band	8 - 14 μm
	Frame Rate	8HZ / 30HZ
	Sensitivity (NEdT)	<60 mK
Day Sensor	Day Sensor Resolution	Analog 700TVL
	Day Lens	Synchronized with Thermal FOV
	Sensor Start up Time	6 sec.
Format		PAL/NTSC
Power	Input	3-32VDC
	Consumption	2A Peak Max, Nominal 0.6A
	Heater operation	Start: <15° C, Stop>20° C
Housing	Material	Anodized Aluminum, Stainless Steel N316
	Color	Screws Black, White, Yellow, Blue, Red, Silver
	Connectors	D38999/24WB98PN
Cables	Connectors	D38999/26WB98SM
	Length	8m
Physical	Weight	700gr
Environmental	Operating Temp	-40°C to +80°C
Certifications	Protection Rates	1275, IP67, Mil.Std 810F

FUSION SERIES

Connector D38999/24WB35PN PIN Layout



Dimensions

