

2DV

Dual FOV DAY & LWIR *GYRO Stabilized Vision System

2DV is a multi sensor day and LWIR observation system positioned on a Gyro Stabilized PAN TILT platform. The video from two LWIR and two day sensors is displayed simultaneously for full situational awareness in urban and off-road environments.

DAY SENSORS

Two 1080p HD-SDI Day Sensors
Left Sensor Lens: 25mm; Right Sensor Lens: 25mm
Sapphire Window

LWIR SENSORS

Real Time Analog
Two Uncooled Shutter less Sensors
Left Sensor Lens: 25mm; Right Sensor Lens: 25mm
640 x 512 Pixels

GYRO STABILIZED PAN TILT PLATFORM

Max. Payload

4.5kg

PAN / Tilt Position Resolution

0.006°

Min PAN /Tilt Speed

0.006° / Sec.

Max PAN /Tilt Speed

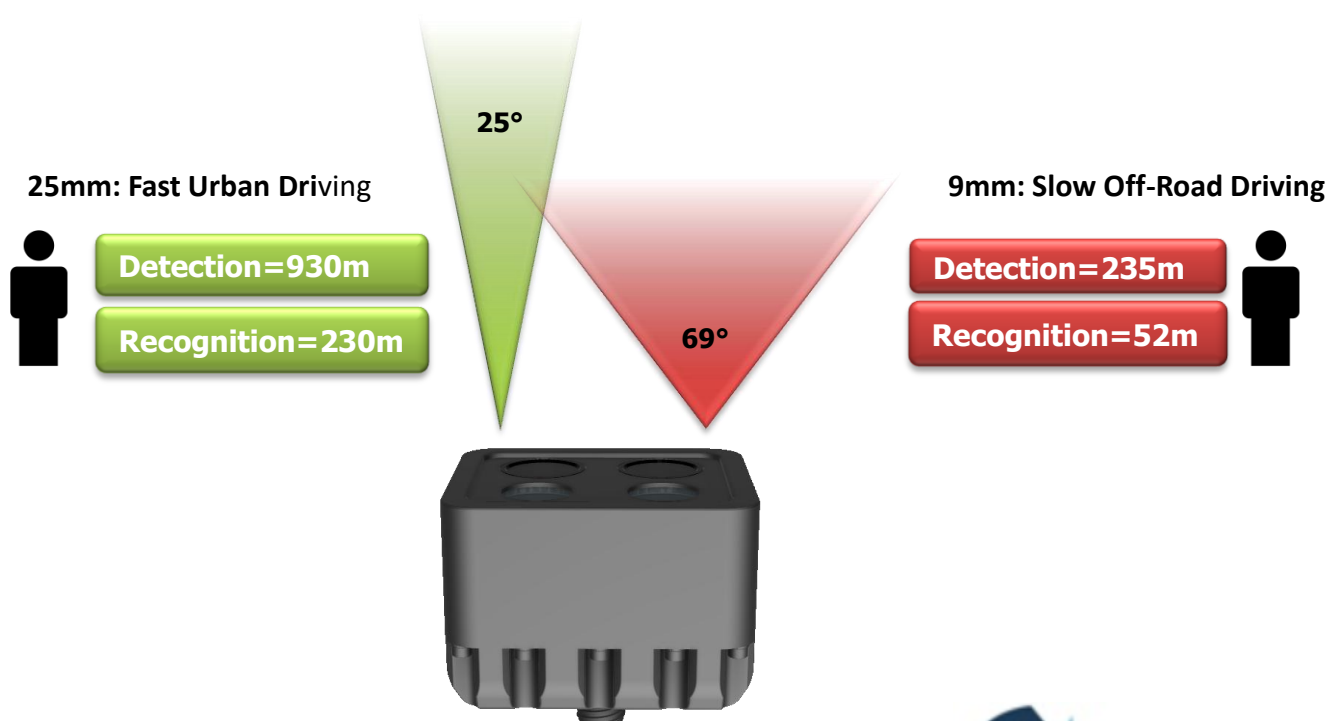
120° / Sec. .

PAN Range

Nx360-continous optional

Tilt Range

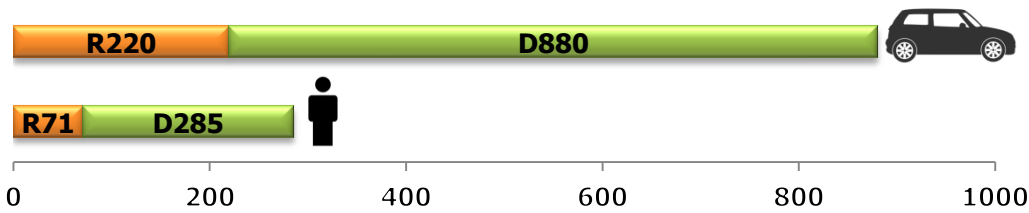
From +30° to -90 ° from level (120° range)



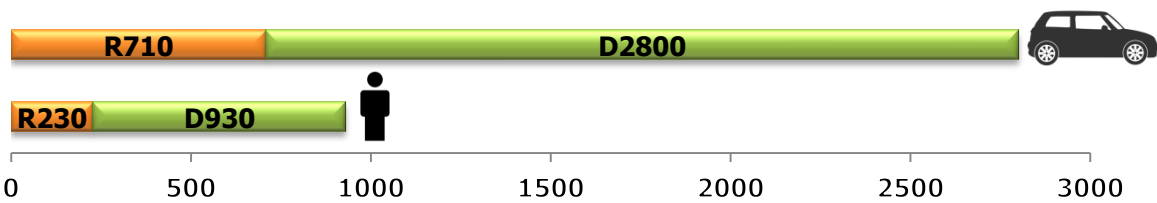
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Wide FOV 9mm Lens, 69° x 56°
Detection & Recognition Ranges (m)



Narrow FOV 25mm Lens, 25° x 20°
Detection & Recognition Ranges (m)



LWIR Sensor	LWIR Imager	Uncooled VOx Microbolometer
	Resolution (pixels)	640x512
	Lens Dual FOV	69° (wide) / 25° (narrow)
	Pitch	17 µm
	Spectral Band	8 - 14 µm
	Frame Rate	8HZ / 30HZ
	Sensitivity (NEdT)	<60 mK
Day Sensor	Interface	IP, CVBS
	Day Sensor Resolution	1080p HD-SDI
	Day Lens	Synchronized with LWIR FOV
Format	Interface	IP, CVBS
	Format	PAL/NTSC
Power	Input	3-32VDC
	Heater operation	Start: <15° C, Stop>20° C
Housing	Anodized Aluminum, Stainless Steel N316	
	Material	Screws
Cables	Connectors	D38999
	Connectors	D38999
Environmental	Length	Customizable
	Operating Temp	-40°C to +80°C
Certifications	Protection Rates	1275, IP67, Mil.Std 810F
	Hermeticity	Nitrogen Purged

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Camera Dimensions, mm

