



PORTFOLIO



PRODUCT INDEX



SPHERESERIES 4
Multi-Sensor Rugged Gimbals



SIGHTSERIES 10
Multi-Sensor Vision Payloads



SASERIES 16
360 Situational Awareness



PTSERIES 20
Heavy Duty Pan Tilt Platforms



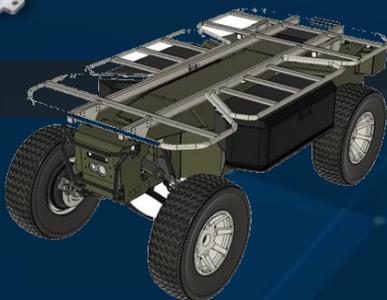
FUSIONSERIES 24
Rugged Dual Sensor Cameras



xEyeSERIES 29
Micro Rugged Low Light Cameras



AIxSERIES 32
AI NPU Rugged Computing



HIGHLANDUGV 36
Light Weight Ultra Modular UGV



SPHERE SERIES

MULTI-SENSOR RUGGED GIMBALS



Ex-Sight.com

SPHERE-M250

DAY SENSOR	Global Shutter 60FPS 1600x1300 X36 Zoom 4,5mm-162mm
FIELD OF VIEW	H-FOV 59,0° to 2,4° V-FOV 33,6° to 1,4°
THERMAL SENSOR	COOLED MWIR 10µm, XBn 640x512 x16,6 Zoom 15-250mm
FIELD OF VIEW	FOV 35,5° to 2,2°
LRF	Up to 8 KM NATO Target
GNSS / INS	RUGGED INS GPS IMU *
SPEED	Up to 150°/Sec
POWER	24-48VDC
CONNECTOR	Hermetic Stainless Steel D38999/23YC35PN
IP RATE	IP67



-  280 (mm)
-  26 (kg)
-  317x312x456 (mm)

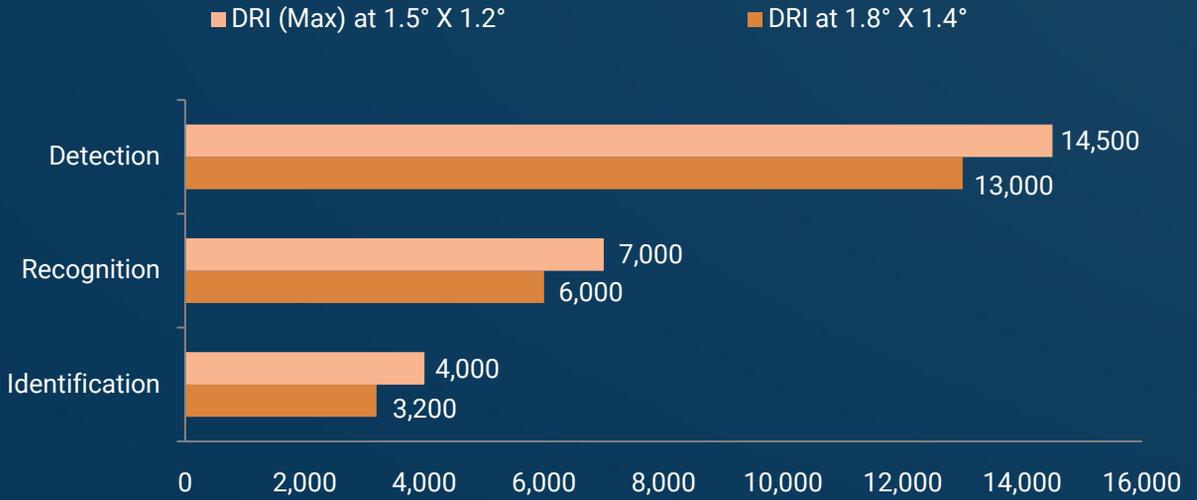
SPHERE-150

DAY SENSOR	Global Shutter 60FPS 1600x1300 X36 Zoom 4,5mm-162mm
FIELD OF VIEW	H-FOV 59,0° to 2,4° V-FOV 33,6° to 1,4°
THERMAL SENSOR	UNCOOLED LWIR 12µm 640x512 x6 Zoom 25-150mm
FIELD OF VIEW	FOV 17,5° to 2,93°
LRF	Up to 8 KM NATO Target
GNSS / INS	RUGGED INS GPS IMU *
SPEED	Up to 150°/Sec
POWER	24-48VDC
CONNECTOR	Hermetic Stainless Steel D38999/23YC35PN
IP RATE	IP67



-  280 (mm)
-  26 (kg)
-  317x312x456 (mm)

SPHERE-M250 DRI (m)



SPHERE-150 DRI (m)



SPHERE-100



DAY SENSOR

Global Shutter 60FPS
1600x1300
X36 Zoom
4,5mm-162mm

FIELD OF VIEW

H-FOV 59,0° to 2,4° V-FOV 33,6° to 1,4°

THERMAL SENSOR

UNCOOLED LWIR 12µm
640x512
x5 Zoom
LENS 20-100mm

FIELD OF VIEW

FOV 22,5° to 4,4°

LRF

Up to 8 KM NATO Target

GNSS / INS

RUGGED INS GPS IMU *

SPEED

Up to 150°/Sec

POWER

24-48VDC

CONNECTOR

Hermetic Stainless Steel
D38999/23YC35PN

IP RATE

IP67



280 (mm)



26 (kg)



317x312x456 (mm)

SPHERE-F

DAY SENSOR

Global Shutter 60FPS
1600x1300
X36 Zoom
4,5mm-162mm

FIELD OF VIEW

H-FOV 59,0° to 2,4° V-FOV 33,6° to 1,4°

THERMAL SENSOR

UNCOOLED LWIR 12 µm
640x512
FIXED LENS

5.8mm / 25mm/ 35mm

FIELD OF VIEW

FOV 65° / FOV 17.5° / FOV12.5°

LRF

Up to 2 KM NATO Target

GNSS / INS

RUGGED INS GPS IMU *

SPEED

Up to 150°/Sec

POWER

24-48VDC

CONNECTOR

Hermetic Stainless Steel
D38999/23YC35PN

IP RATE

IP67



185 (mm)

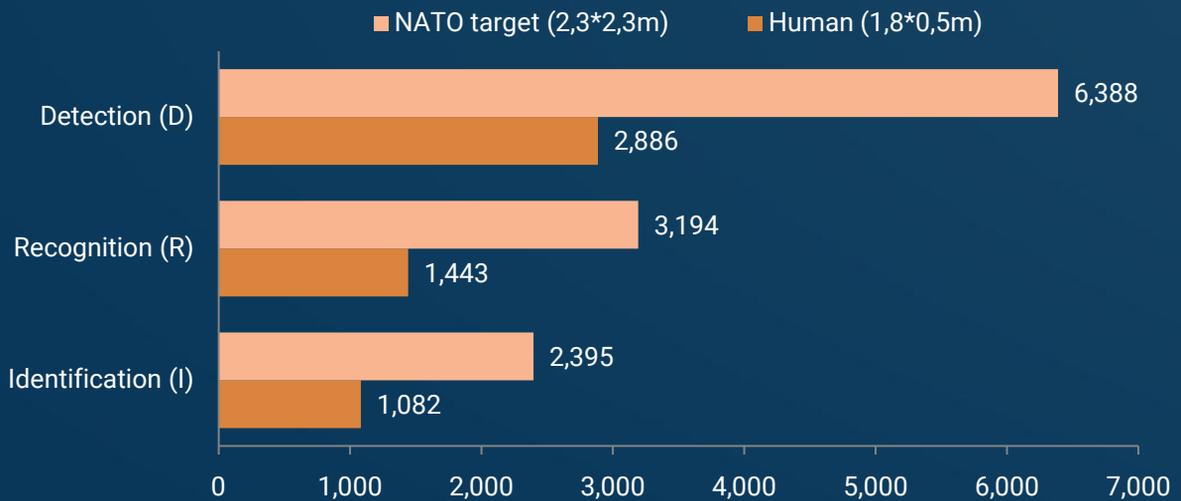


13 (kg)



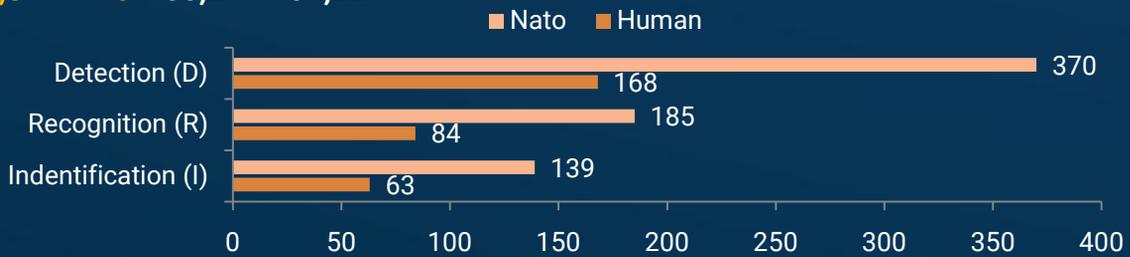
245x216x347 (mm)

SPHERE-100 DRI (m)

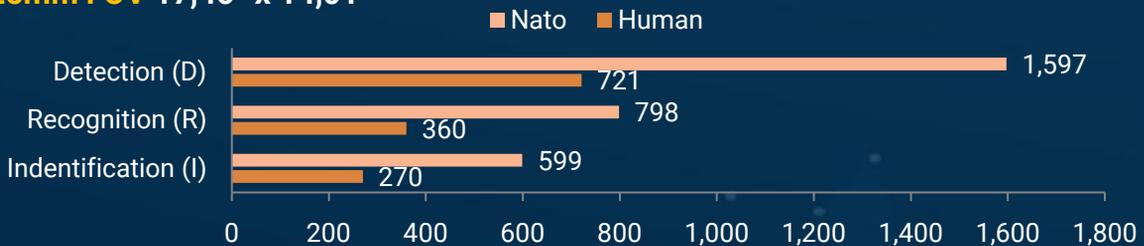


SPHERE-F DRI (m)

5,8 mm FOV 65,24° x 54,22°



25mm FOV 17,46° x 14,01°



35mm FOV 12,52° x 10,03°





SIGHT SERIES



 Ex-Sight Com

SIGHTMWIR15-250



9 (kg)



250x190x240 (mm)

DAY SENSOR

Global Shutter 30FPS
1600x1300
X36 Zoom
4,5mm-162mm

FIELD OF VIEW

H-FOV 59,0° to 2,4° V-FOV 33,6° to 1,4°

THERMAL SENSOR

COOLED MWIR x16,6 Zoom
15-250 mm

FIELD OF VIEW

FOV 35,5° to 2,2°

LRF

Up to 8 KM NATO Target

POWER

12-40 VDC 120W Max. MIL.STD704,
MIL.STD810G POWER STABILIZER

INTERFACE

ETHERNET INTERFACE

CONNECTOR

Hermetic Stainless Steel
D38999/23YC35PN

IP RATE

IP67 Nitrogen Purged

SIGHT25-225



20 (kg)



250x190x240 (mm)

DAY SENSOR

Full HD 30 FPS
1920x1080
Up to x92 Zoom
6,1mm-561mm

FIELD OF VIEW

H-FOV 63,4° to 0,98° V-FOV 37,6° to 0,60°

THERMAL SENSOR

LWIR 1280x1024
x9 Zoom
25-225mm

FIELD OF VIEW

FOV 3.9°x3.1°~42°x34.1°

LRF

Up to 8 KM NATO Target

POWER

12-40 VDC 120W Max. MIL.STD704,
MIL.STD810G POWER STABILIZER

INTERFACE

ETHERNET INTERFACE

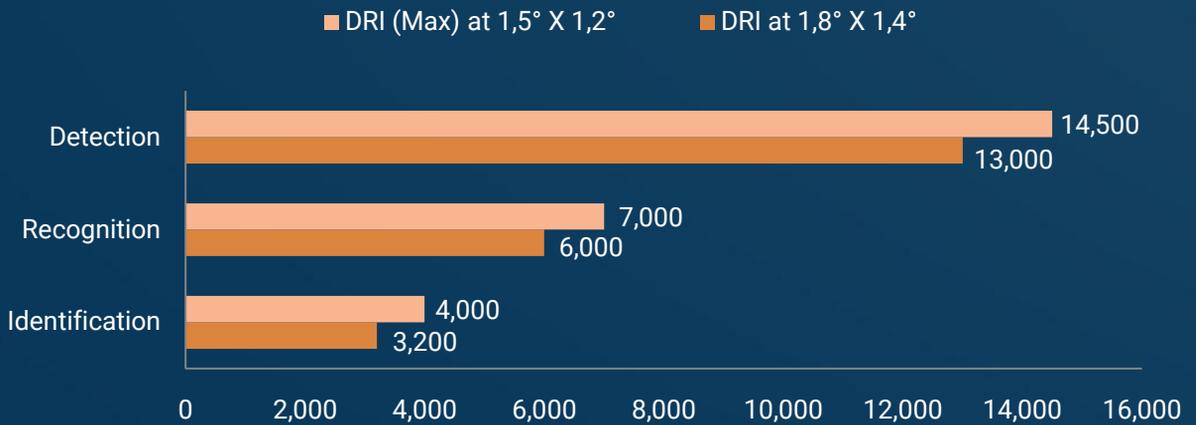
CONNECTOR

Hermetic Stainless Steel
D38999/23YC35PN

IP RATE

IP67 Nitrogen Purged

SIGHTMWIR NIGHT DRI (m)



SIGHT25-225 DRI LWIR (m)



SIGHT25-150



DAY SENSOR

Global Shutter 60FPS
1600x1300
X36 Zoom
4,5mm-162mm

FIELD OF VIEW

H-FOV 59,0° to 2,4° V-FOV 33,6° to 1,4°

THERMAL SENSOR

LWIR 640x512
x6 Zoom
25-150mm

FIELD OF VIEW

FOV 17,5° to 2,93°

LRF

Up to 8 KM NATO Target

POWER

12-40 VDC 120W Max. MIL.STD704,
MIL.STD810G POWER STABILIZER

INTERFACE

ETHERNET INTERFACE

CONNECTOR

Hermetic Stainless Steel
D38999/23YC35PN

IP RATE

IP67 Nitrogen Purged



9 (kg)



290x190x264 (mm)

SIGHT20-100



DAY SENSOR

Global Shutter 60FPS
1600x1300
x36 Zoom
4,5mm-162mm

FIELD OF VIEW

H-FOV 59,0° to 2,4° V-FOV 33,6° to 1,4°

THERMAL SENSOR

LWIR 640x512
x5 Zoom
20-100mm

FIELD OF VIEW

FOV 22,5° to 4,4°

LRF

Up to 8 KM NATO Target

POWER

12-40 VDC 120W Max. MIL.STD704,
MIL.STD810G POWER STABILIZER

INTERFACE

ETHERNET INTERFACE

CONNECTOR

Hermetic Stainless Steel
D38999/23YC35PN

IP RATE

IP67 Nitrogen Purged

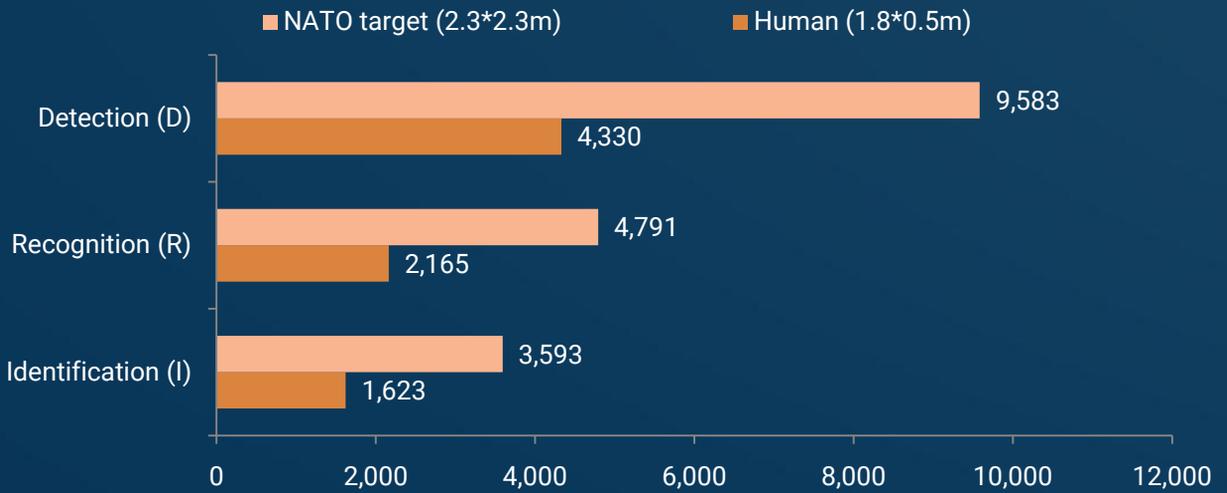


9 (kg)



250x190x255 (mm)

SIGHT25-150 DRI LWIR (m)



SIGHT20-100 DRI LWIR (m)





SASERIES

360 PANORAMIC SITUATIONAL AWARENESS



DELTA

SA360

LOW LIGHT DAY

SIX (6)
1920x1080 Full HD 30 FPS
SAPPHIRE Window

LWIR NIGHT

SIX (6)
1280x1024 or 640x512
12µm 30 FPS
Germanium Window

FIELD OF VIEW

420° Deg.
(H) 6 x 70°
FOV (H) 420° (V) 46°



 30 (kg)

 470x470x185 (mm)

STABILIZED POWER

2A@24VDC (9-40VDC)

ETHERNET SWITCH

Gigabit Ethernet Switch
10/100/1000T

CONNECTOR

Hermetic Stainless Steel
D38999/23YC35PN

CHASSIS

CNC ALUMINUM, ANTI SALT BLACK
POWDER PAINT

IP RATE

IP67 Nitrogen Purged

SA180

LOW LIGHT DAY

THREE (3)
1920x1080 Full HD 30 FPS
SAPPHIRE Window

LWIR NIGHT

THREE (3)
1280x1024 or 640x512
12µm 30 FPS
Germanium Window

FIELD OF VIEW

210° Deg.
(H) 3 x 70°
FOV (H) 210° (V) 46°



 16 (kg)

 483x270x237 (mm)

STABILIZED POWER

1A@24VDC (9-40VDC)

ETHERNET SWITCH

Gigabit Ethernet Switch
10/100/1000T

CONNECTOR

Hermetic Stainless Steel
D38999/23YC35PN

CHASSIS

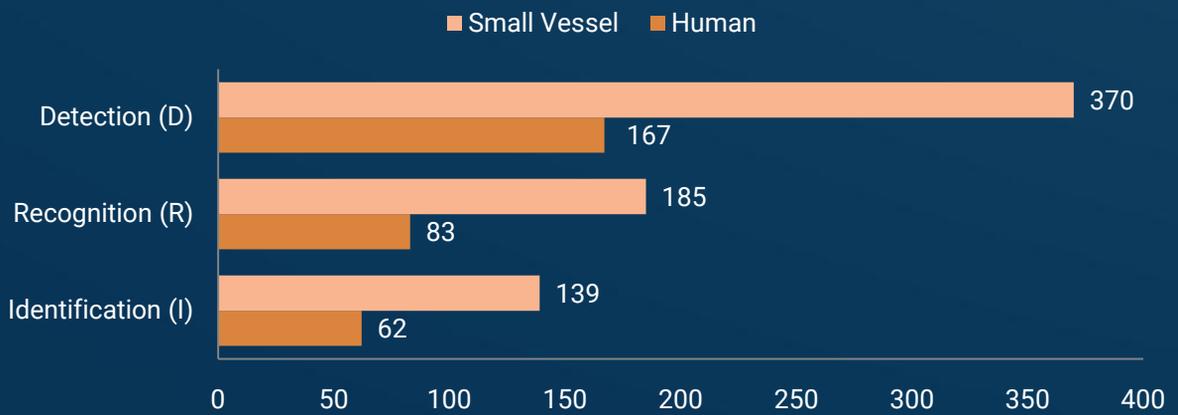
CNC ALUMINUM, ANTI SALT BLACK
POWDER PAINT

IP RATE

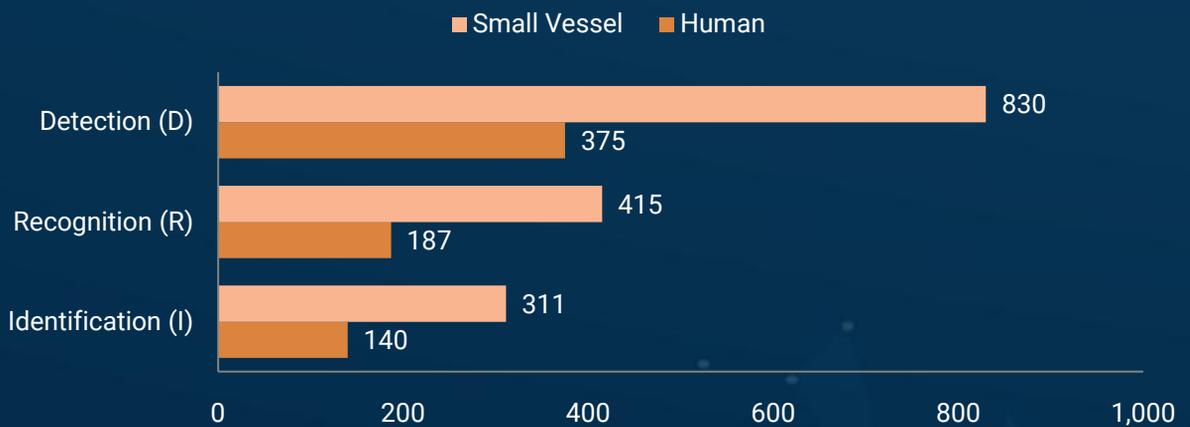
IP67 Nitrogen Purged

SA360/180 DRI (m)

640-5,8mm LWIR DRI (m)



1280-13mm LWIR DRI (m)





PT SERIES

HEAVY DUTY HIGH ACCURACY PAN & TILT



PTOWL

MOUNTING TYPE

U Mount

TILT

Max $\pm 90^\circ$ Deg

Max. Motor Torque (NM) 35/ 50/ 150

PAN

Cont. 360° Deg

Motor Torque (NM) 35/ 50/ 150

TRUE NORTH INS GPS

DUAL ANTENNA GNSS-AIDED
INERTIAL NAVIGATION*

MAX.SPEED

30 RPM, up to 120° /sec

MAX. PAYLOAD

50 kg

POWER

24-48VDC

IP RATE

IP66 Nitrogen Purged



22 (kg)



416x210x442 (mm)

PTOWL225

MOUNTING TYPE

U Mount

TILT

Max $\pm 90^\circ$ Deg

Max. Motor Torque (NM) 35/ 50/ 150

PAN

Cont. 360° Deg

Motor Torque (NM) 35/ 50/ 150

TRUE NORTH INS GPS

DUAL ANTENNA GNSS-AIDED
INERTIAL NAVIGATION*

MAX.SPEED

30 RPM, up to 120° /sec

MAX. PAYLOAD

50 kg

POWER

24-48VDC

IP RATE

IP66 Nitrogen Purged



25 (kg)



505x255x624 (mm)

PTOMEGA Ω



MOUNTING TYPE

Ω (OMEGA) / TOP + Sides

TILT

Max ±90° Deg
Max. Motor Torque (NM) 35/ 50/ 150

PAN

Cont. 360° Deg
Motor Torque (NM) 35/ 50/ 150

TRUE NORTH INS GPS

DUAL ANTENNA GNSS-AIDED
INERTIAL NAVIGATION*

MAX.SPEED

30 RPM, up to 120°/sec

MAX. PAYLOAD

70 kg

POWER

24-48VDC

IP RATE

IP66 Nitrogen Purged



30 (kg)



794x210x419 (mm)

PTALMA



MOUNTING TYPE

T (Top Mount)

TILT

54 NM

PAN

54 NM

TRUE NORTH INS GPS

DUAL ANTENNA GNSS-AIDED INERTIAL
NAVIGATION*

MAX.SPEED

30 RPM, up to 120°/sec

MAX. PAYLOAD

15 kg

POWER

24-48VDC

IP RATE

IP66 Nitrogen Purged



8,5 (kg)



218x163x296 (mm)

FUSION SERIES





OZ1280



DAY SENSOR

GLOBAL SHUTTER X36
1600x1300
60 FPS
H.265/H264 COMPRESSION

FIELD OF VIEW

4.5mm-162mm **FOV (H) 59.0° to 2.4°**

THERMAL SENSOR

UNCOOLED LWIR 12 μ m 1280x1024
LENS 13mm
50 FPS

FIELD OF VIEW

FOV 62°

LRF

3.5 KM NATO Target

POWER

9-36VDC, NOMINAL 5.6W
(MAX on LOAD 12W)

CONNECTOR

Stainless Steel Hermetic Connector
D38999/23YC35PN

IP RATE

IP67 Nitrogen Purged



4,5(kg)



147x149x96 (mm)

FUSION1280



DAY SENSOR

FULL HD IMX327
1920x1080/2MP
30 FPS H.265/H.264/MJPEG

FIELD OF VIEW

LENS 4mm DC DRIVE M12 (fixed zoom)
FOV (H) 69.4°

THERMAL SENSOR

UNCOOLED LWIR 12 μ m 1280x1024
LENS 13mm
50 FPS

FIELD OF VIEW

FOV 62°

LRF

-

POWER

9-36VDC, NOMINAL 5.6W
(MAX on LOAD 12W)

CONNECTOR

Stainless Steel Hermetic Connector
D38999/23YC35PN

IP RATE

IP67 Nitrogen Purged

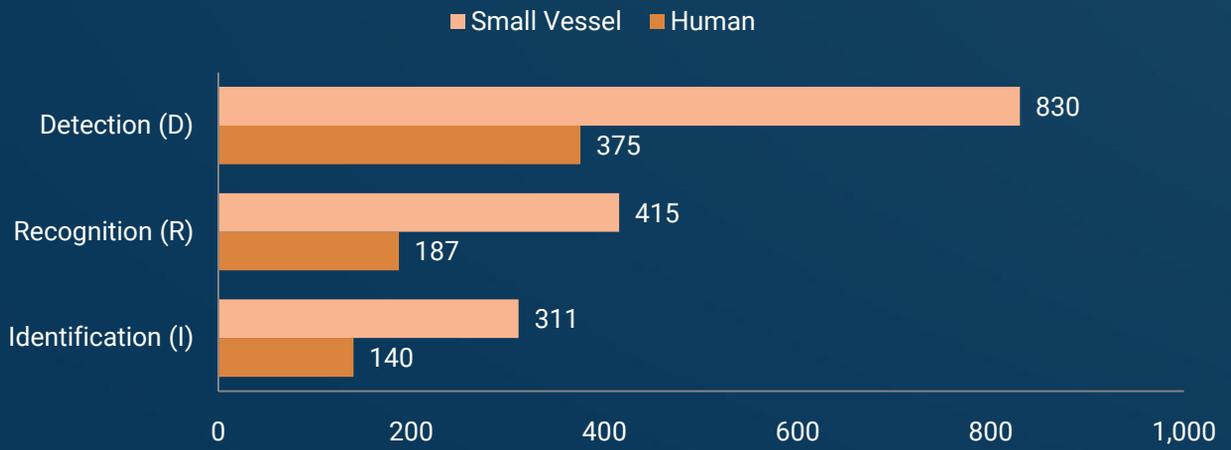


3 (kg)

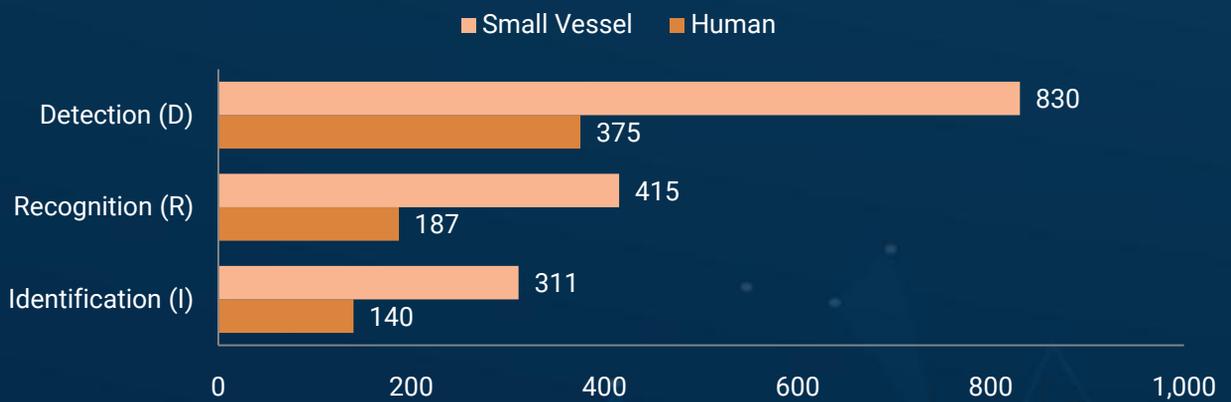


198x193.9x111 (mm)

OZ DRI LWIR (m)



FUSIONF-1280 LWIR DRI (m)



FUSION640



DAY SENSOR	FULL HD IMX327 1920x1080/2MP 30FPS H.265/H.264/MJPEG
FIELD OF VIEW	LENS 4mm DC DRIVE M12 FOV (H) 69.4°
THERMAL SENSOR	UNCOOLED LWIR 12 μm 640x512 LENS 5.8mm 50 FPS
FIELD OF VIEW	FOV 67°
LRF	-



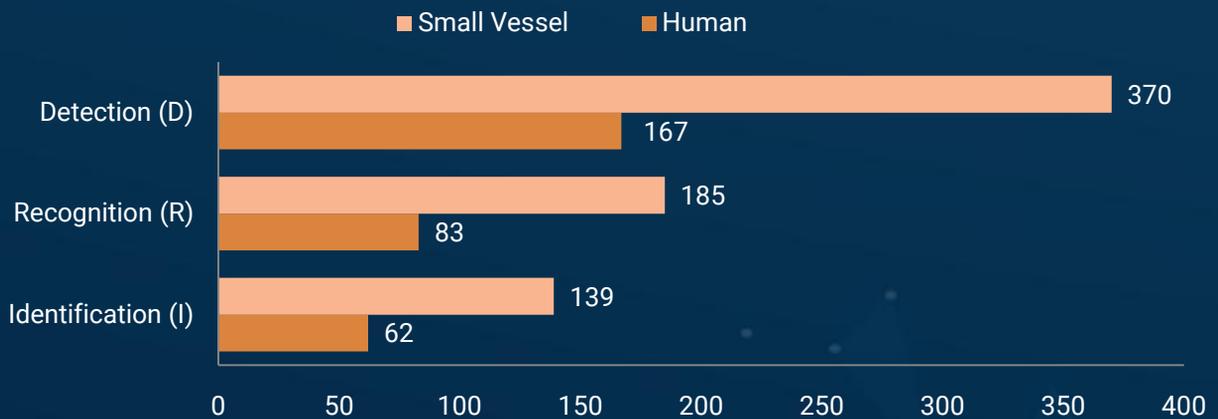
2,3 (kg)



147x119x96 (mm)

POWER	9-36VDC, NOMINAL 5.6W (MAX on LOAD 12W)
CONNECTOR	Stainless Steel Hermetic Connector D38999/23YC35PN
IP RATE	IP67 Nitrogen Purged

FUSIONF-640 LWIR DRI (m)



xEye



- 1/2.8" SONY IMX 327, FULL HD 1920x1080 pixels
- FRAME RATE 30 FPS, FULL HD + FULL D1 + CVBS
ELECTRONIC SHUTTER SPEED 1/10000s to 1/25s
- Full-HD low light 1920x1080 sensors Lens 4mm
- FOV (H) 90° (V) 46°, 4mm DC DRIVE M12, Sapphire window
- Sensor daisy chain via Ethernet to save cabling
- 12VDC <2W MAX
- CVBS COMPOSITE VIDEO, ETHERNET (RTSP/HTTP/ONVIF)
- Optional SD card recording
- IP-67 Hermetic sealed chassis, Nitrogen purged, MIL.STD
Hermetic connectors
- Operating temp -20°C to +80°C



270 (gm)



62x62x85 (mm)

LOW LIGHT VISION SYSTEM

SIGHTDESK

- Multi Sensor Management
- Passive Electro Optic RADAR Client / Server
- Enhanced Digital Video Trackers / Classifiers
- Pan, Tilt, Zoom, Day, Night, LRF Control
- Geo-Positioning with pre-loaded route tracking
- INS Gyro Stabilization
- Electronic Stabilization
- Video Analysis, ATR, Detection, Tracking & Classification
- Integrated Tracker / Simulator / Trainer
- Mapping and FOV Zone view
- Recording & Logging
- Integration with external resources, Drones, Radars
- Open Source C# SDK, open source code available

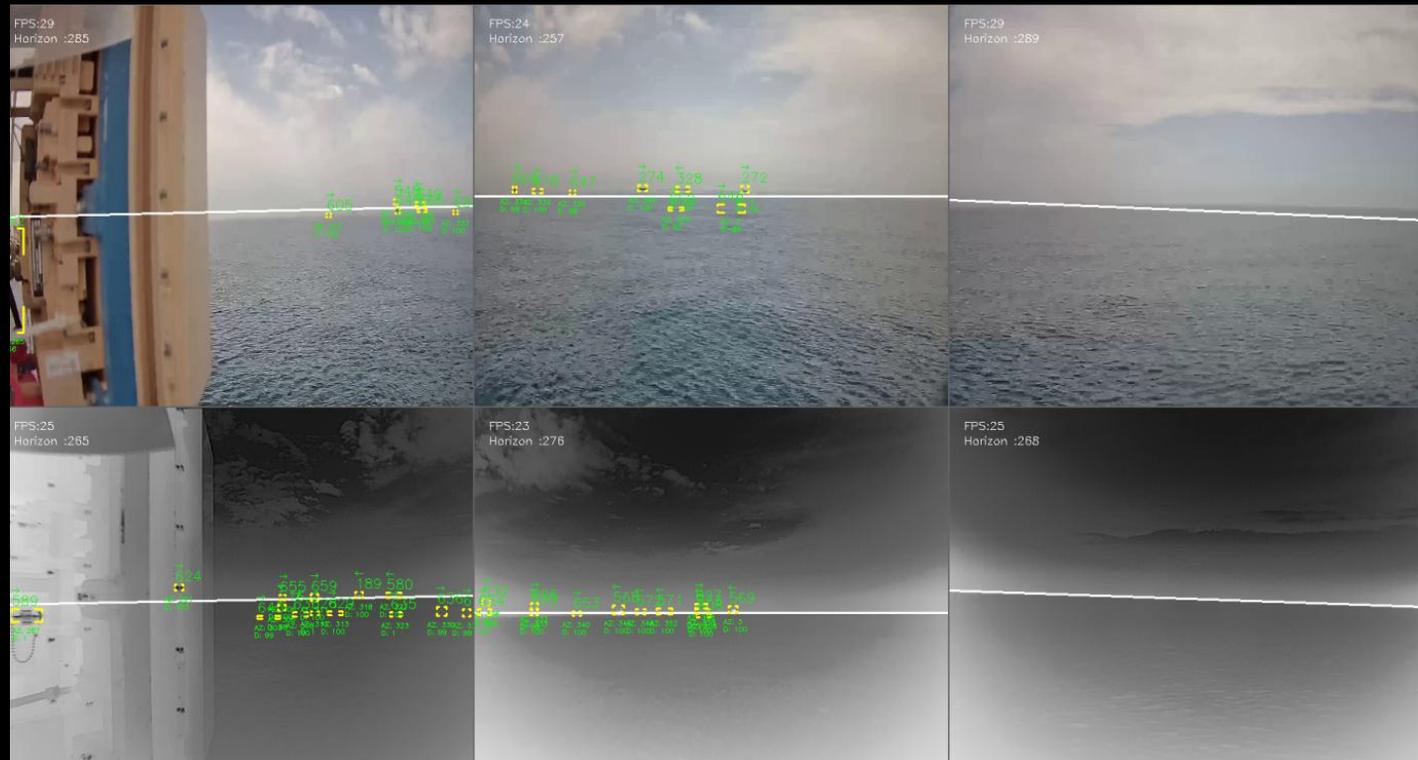
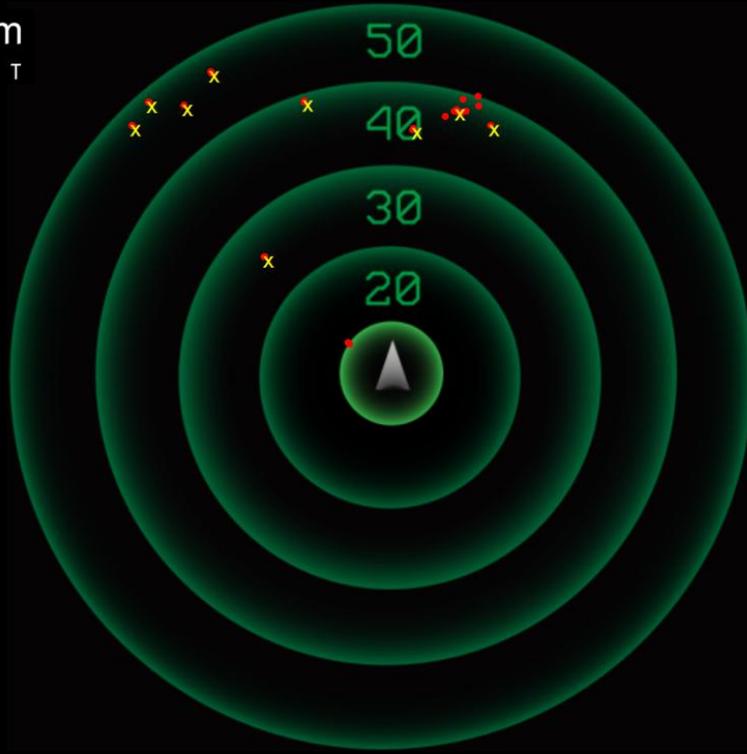
AUTOMATED TRACKING VIDEO SOFTWARE



AixSERIES



PASSIVE VISUAL RADAR VIEW



AixNPU

OS	MICROSOFT WINDOWS 11
CPU	Intel® Core™ Ultra
RAM	64GB
STORAGE SSD	1TB
DISPLAY	2 x HDMI 2.1 TMDS
ETHERNET	2.5 Gigabit LAN



221x225x91 (mm)

PERIPHERIALS	1 x USB4 2 x M.2 Key M, 1 x M.2 Key E (WiFi-6E Module) 2 x HDMI 2.1 TMDS 1 x DP 2.1 (from Type-C) 1 x DP 1.4a (from Type-C)
---------------------	---

POWER SUPPLY	9-40VDC-DC POWER SUPPLY WITH EMI FRI FILTER
---------------------	---

OUTPUT VIDEO OPTIONS	HDMI, 2 x FULL HD RTSP (H.264/265) (EMBEDDED HARDWARE)
-----------------------------	--

AixGPU

OS	UBUNTU LINUX
CPU	NVIDIA ORIN 64GB FORECR
RAM	64GB
STORAGE SSD	256GB
DISPLAY	HDMI 2.0 (MAX RESOLUTION 3840x2160)
ETHERNET	1x Gigabit Ethernet



228x105x277 (mm)

PERIPHERIALS	2x USB 3.1 Type-A 1x CAN Bus 1x RS232/422/485 (software configurable) 2x USB-C (Debug/Recovery) 2x Digital Input 3x Digital Output
---------------------	--

POWER SUPPLY	9-40VDC-DC POWER SUPPLY WITH EMI FRI FILTER
---------------------	---

OUTPUT VIDEO OPTIONS	HD-SDI, HDMI
-----------------------------	--------------

AIxNPU-360KIT



OS	MICROSOFT WINDOWS 11
CPU	Intel® Core™ Ultra
RAM	64GB
STORAGE SSD	1TB
DISPLAY	2 x HDMI Ports MIL.STD Connector
ETHERNET	2.5 Gigabit LAN

PERIPHERIALS	1 x USB4 2 x M.2 Key M, 1 x M.2 Key E (WiFi-6E Module) 2 x HDMI 2.1 TMDS 1 x DP 2.1 (from Type-C) 1 x DP 1.4a (from Type-C) BUZZER ALARM
---------------------	---



250x250x150 (mm)

POWER SUPPLY	9-40VDC-DC POWER SUPPLY WITH EMI FRI FILTER
---------------------	---

OUTPUT VIDEO OPTIONS	HDMI
-----------------------------	------



HIGHLANDUGV



LIGHT WEIGHT ULTRA MODULAR UGV

The HIGHLAND-500 platform is an electric unmanned ground vehicle with superb maneuverability and high precision steering and abundance of storage space.

The HIGHLAND-500 is versatile due to its features and capabilities, allowing it to effectively fulfill various roles such as logistics support, patrol duties, and guarding missions. Its design incorporates durability, agility, ample storage space, and communication systems, making it suitable for various operational scenarios.

FEATURES & SPECIFICATIONS:

- Autonomy Kit
- +500Kg payload
- Embedded Digital Remote Control
- Light Weight Flexible Chassis
- Superior Maneuverability
- 2WD or 4WD options
- 22" or 27" Off-Road Tires
- Front & Rear FUSION Driving Cameras
- Based on Commercial Logistical Platform

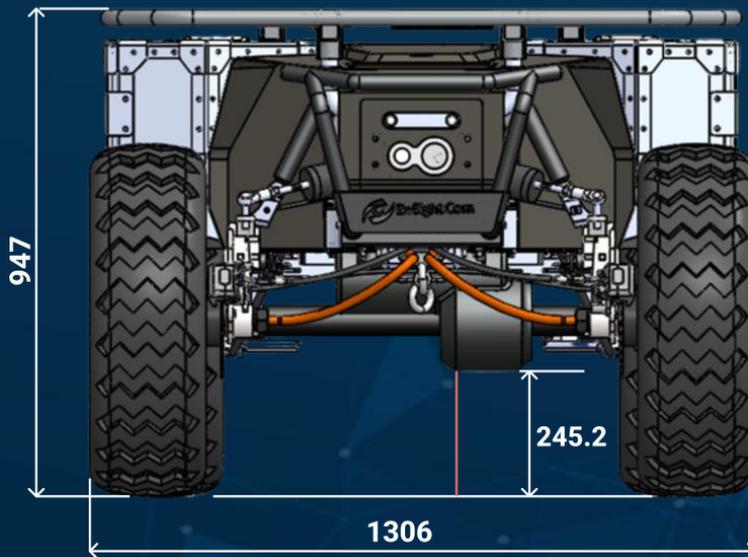
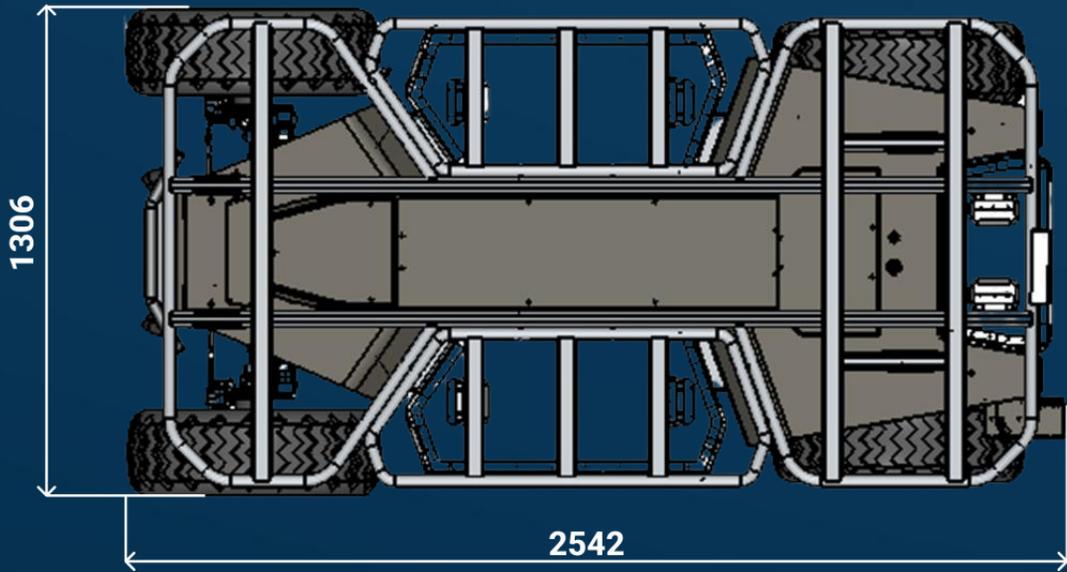
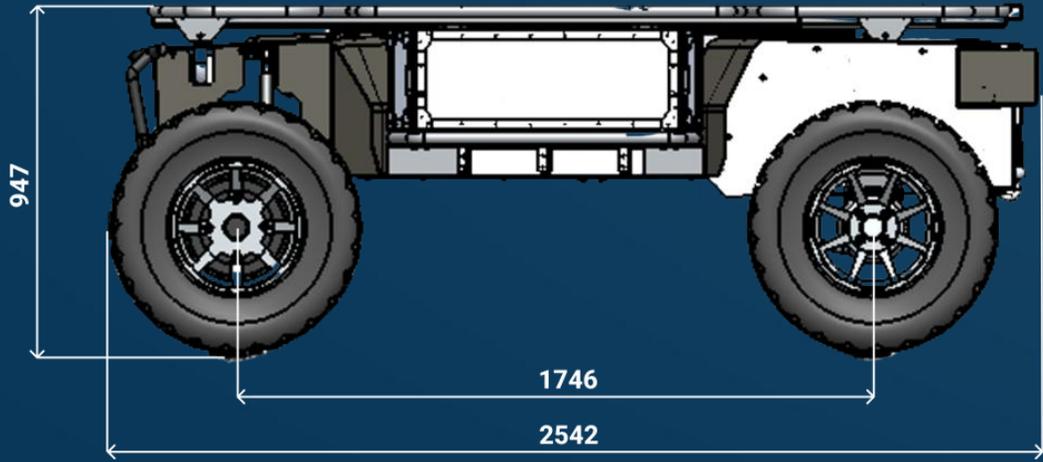
HIGHLANDUGV

SIZE & WEIGHT

EXTERNAL DIMENSIONS (L x W x H)	2542 x 1306 x 947 mm
SELF WEIGHT	200 Kg
MAX PAYLOAD	500 Kg
GROUND CLEARANCE	245.2 mm

SPEED & PERFORMANCE

MAX.SPEED	40 Km/h
SUSPENSION	Flexible Suspension
TIRES (inch)	27-9-R14 Off-Road Tires
BATTERY	7KW Lithium Battery



CONTACTUS

Sales@Ex-Sight.com | www.Ex-Sight.com | +972-777-841-262

