

PodView2600

REMOTE & AUTONOMOUS SENSING SYSTEM

Compact, silent, and agile, PodView delivers filtered, actionable intelligence in real-time, whatever the conditions. Built around NVIDIA Jetson edge-AI processing, PodView uses Electro-Optical visual, Thermal and Laser Range Finding sensors coupled with advanced stabilisation to autonomously detect, classify and track targets at machine speed.



OPERATIONAL APPLICATIONS

COUNTER-UAS**VEHICLES &
VESSELS****UGVs & USVs****SECURITY &
SURVEILLANCE**

KEY FEATURES

RUGGEDISED**AI ENABLED****STABILISED****UHD (4K)**

CORE CAPABILITIES

TARGET AQUISITION

A choice of sensor configurations to meet a range of DRI requirements including 4K Electro-Optical cameras, Thermal Imagers and Laser Range Finders.

ADVANCED EDGE AI/ML

An integrated NVIDIA AI/ML processor and a fibre-optic backbone support the most intelligent third-party AI/ML models to provide real-time target acquisition and tracking.

DAY & NIGHT OPERATION

Class leading low light performance using Sony STARVIS 2 sensors coupled with a LWIR thermal imager supports operations in all conditions.

MILITARY GRADE RELIABILITY

Engineered and built to perform in the harshest environments with no belts or gears to break.

STABILISATION

Advanced IMU stabilisation technology minimises the impact of vibrations and sudden movements. By fusing both mechanical and electronic stabilisation with AI object tracking, PodView ensures clear, stable imagery no matter the environment.

ULTRA PRECISE

Movement repeatability of >0.01° with zero backlash for the most precise and repeatable positioning.

EXTREME AGILITY

Move between any two points in 3D space within 0.5 seconds at speeds up to 720°/s.

NETWORKED REPORTING

Optimised for SAPIENT, producing actionable intelligence as low bandwidth/signature metadata output.

AFFORDABLE & ATTRITABLE

A COTS driven approach prioritises affordability and scalability for the modern battlefield.

SOVEREIGN PRODUCTION

UK based design and manufacturing guarantee robust quality control and a secure supply chain.

TECHNICAL SPECIFICATIONS

EO CAMERA

Sensor	Sony STARVIS 2 (8.40MP)
Resolution	UHD 4K @ 30 fps
HFOV	59.0° - 2.8° dependent on zoom

THERMAL IMAGER

Resolution	640p 12µm
Thermal Spectral Band	Longwave Infrared (LWIR) 8 to 14 µm
HFOV	8°

LASER RANGE FINDER

Laser Range Finder	1850m range to NATO 2.3m Target +/-1m accuracy
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MOTION PLATFORM

Pan/Tilt Range	360° continuous
Pan/Tilt Speed	0.05°/s to 720°/s
Repeatability	Accuracy >0.01°
Stabilisation	Mechanical direct-drive and Electronic Image Stabilisation

POWER/DATA

Power	37V-55V DC (12V-55V with Optional PodHub)
Communication	Ethernet 1Gbps
Interoperability	ONVIF & SAPIENT

SOFTWARE

Module	NVIDIA Jetson Orin AGX (JetPack 6)
AI/ML Payload	AI/ML Edge Models from AI partners or user installed
Data Storage	2TB
Web UI	AdvISE™ for configuration and control

HARDWARE

Weight	7.5kg
Dimensions	365mm(H), 212mm(W), 183mm(D)
Wiper	EO and LRF lens wiper
Operating Noise	Silent
Enclosure	Aluminium with marine grade coating. Toughened glass/germanium apertures

ENVIRONMENTAL

Operating Temperature	-20°C to +55°C
Dust and Water	IP68 (BS EN60529)
Impact	IK10-EN62262
Wind	Stability at 150km/h, 42m/s