PodView2600

REMOTE & AUTONOMOUS SENSING SYSTEM

APPLICATIONS

COUNTER-UAS

UGVs & USVs

SECURITY & SURVEILLANCE

VEHICLES & VESSELS



Compact, silent and extremely agile, PodView™ is a remote & autonomous sensor system that delivers filtered, actionable intelligence in real time, even in the most challenging conditions.

With NVIDIA Jetson edge-AI processing built in, PodView uses Electro-Optical (EO) Visual, Thermal and Laser Range Finding (LRF) sensors coupled with advanced stabilisation to autonomously detect, classify and track targets at machine speed.

- AI ENABLED
- EXTREME AGILITY
- STABILISED
- LOW LATENCY
- RUGGED IP68

PodView2600

CORE CAPABILITIES & TECHNICAL SPECIFICATIONS

TARGET ACQUISITION
Available with a choice of sensor configurations, including 4K EO camera, longwave infrared (LWIR) thermal imager and LRF to meet the full range of user target acquisition and real-time tracking requirements of even the most evasive targets.

ADVANCED EDGE AI/ML
An integrated NVIDIA AI/ML processor and an internal fibre-optic backbone allow customer or third-party AI/ML models to run on the edge, providing 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 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.

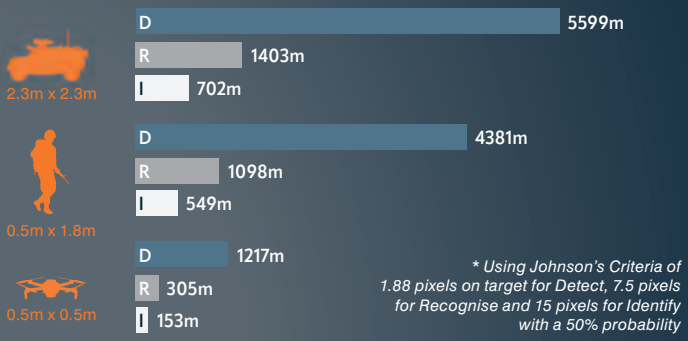
EXTREME AGILITY
Move between any two pointing positions within 0.5 seconds at speeds up to 720°/s.

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.

LWIR TARGET DRI* (DETECT, RECOGNISE, IDENTIFY)



** Using Johnson's Criteria of 1.88 pixels on target for Detect, 7.5 pixels for Recognise and 15 pixels for Identify with a 50% probability*

EO CAMERA	
Sensor	Sony STARVIS 2 CMOS (8.40MP)
Resolution	UHD 4K @ 30fps, Full HD 1080p @ 60fps
HFOV	58.1° - 1.15° dependent on zoom

THERMAL IMAGER	
Resolution	640 x 480 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

MOTION PLATFORM	
Drives	Overview Helios Integrated Servo Drives
Pan/Tilt Range	360° continuous
Pan/Tilt Speed	0.05°/s to 720°/s
Repeatability	0.01°
Stabilisation	Mechanical direct-drive and Electronic Image Stabilisation

POWER/DATA	
Power	37V-55V DC (12V-55V with Optional PodHub)
Communication	Gigabit Ethernet (1 Gbit/s)
Interoperability	SAPIENT (BSI Flex 335 v2.0), CoT (Cursor on Target) plug-in

SOFTWARE	
Module	NVIDIA Jetson AGX Orin (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
Connector	Amphenol 37 pin MIL-DTL-38999 III (D38999) connector for power and comms

ENVIRONMENTAL	
Operating Temperature	-20°C to +55°C
Dust and Water	IP68 (BS EN 60529)
Impact	IK10 (BS EN 62262)
Wind	Stability at 150km/h, 42m/s

For more information visit
overview.co.uk/product/podview-family/
or email info@overview.co.uk

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