

NedEye80

Next generation gimbal technology

NedEye80

With the NedEye80, Nedinsco has developed a gimbal specifically addressing the most pressing challenges. This positions the NedEye80 as a future-proof sensor solution for tactical applications. The combination of technological innovation and operational applicability makes the system unique within the European defence domain.

Key features

- **Built within Europe**, The NedEye80 is designed, developed and produced in Europe to strenghten technological sovereignty, support the supply chain, and long-term operational continuity even in times of geopolitical uncertainty.
- Integrated firmware developed by ViNotion delivers **AI Object Tracking** directly on the gimbal hardware. The system automatically detects, classifies, and tracks multiple moving or stationary objects in real time .
- The NedEye80 features 4K daylight sensors combined with an **impressive 80x zoom capability**. This guarantees crisp, high-resolution imagery over long stand-off distances.
- High-performance multi-axis **mechanical stabilization** is coupled with **advanced digital stabilization**.



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TECHNICAL SPECIFICATIONS

	Camera specifications
Daylight camera	Visible 400 - 700 nm Resolution: 1280 x 720
	Zoom: x40 + x2 digital (total x80) Continuous zoom
	HFOV: 1.5° - 60° (0.75° digital zoom)
Thermal camera	LWIR uncooled 8 - 14 µm
	Resolution: 1280 x 1024
	Zoom: x8 digital Continuous zoom
	HFOV: 17.5° (2.2° digital zoom)
	Function & interface
Gimbal function	Pan: 360° (non-continuous) Tilt: -45° to +135°
	Stabilization level: 50 µrad
Control interface	UART/Mavlink
Video interface	Ethernet, HDMI
	Characteristics
Dimensions	Height = 173mm Width = 103 mm Diameter = 90 mm
Weight	< 1 kg
Power consumption	10-15W
Power requirement	15-32 VDC
Operating temperature	-32°C up to +49°C

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