

PRODUCT CATALOG

WWW.MERIO.EU



20
25



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ABOUT MERIO

Merio is a French designer and manufacturer of advanced gimbal systems, delivering cutting-edge observation solutions for demanding defense and security applications. Trusted by armed forces worldwide, including the French Army, our battlefield-proven products combine high-performance electro-optics, embedded intelligence, and robust design.

With a comprehensive portfolio ranging from compact aerial and marine gimbals to complete control stations and software suites, Merio provides fully integrated solutions tailored to mission-critical environments. Our commitment to innovation and reliability ensures that every system meets the highest operational requirements in surveillance, navigation, and intelligence.



MILVUS



2025

AERIAL GIMBALS

NEW FAMILY



PORTFOLIO

Product catalog 2025 - MERIO

MILVUS 7

245 G

AERIAL

EO

IR

DRI 10KM



This new gimbal offers a high-performance solution for aerial platforms. The Milvus 7 is the most compact in the range, with a diameter of only 7 cm and an ultra-lightweight design of just 245 grams. It integrates both a day camera and a thermal camera, making it ideal for surveillance or ISR missions.

NEW



MILVUS 7S

107MM HEIGHT (4,2'')

WEIGHT 245G (0,5LB)

70MM DIAMETER (2,8'')

SENSORS :

- EO : Full HD (1920x1080) with optical zoom x10
- LWIR : VGA (640x480)
- Daytime vehicle detection : 10 km



MILVUS 10

650 G

AERIAL

EO

IR

LRF

LP

DRI 10KM



The Milvus 10M is a compact, gyro-stabilized turret with a 10 cm diameter, weighing approximately 650 grams. It features a Full HD day camera with 10× optical zoom and a 640×480 LWIR infrared camera with 3× optical zoom.



MILVUS 10M

144MM HEIGHT (5,7'')

WEIGHT 650G (1,4LB)

100MM DIAMETER (3,9'')

SENSORS :

- EO: Full HD (1920x1080) with 10× optical zoom
- LWIR: VGA (640x480)
- LRF: 4.5 km range
- LP: 850 nm
- Daytime vehicle detection: 10 km



MILVUS 14

2,0KG

AERIAL

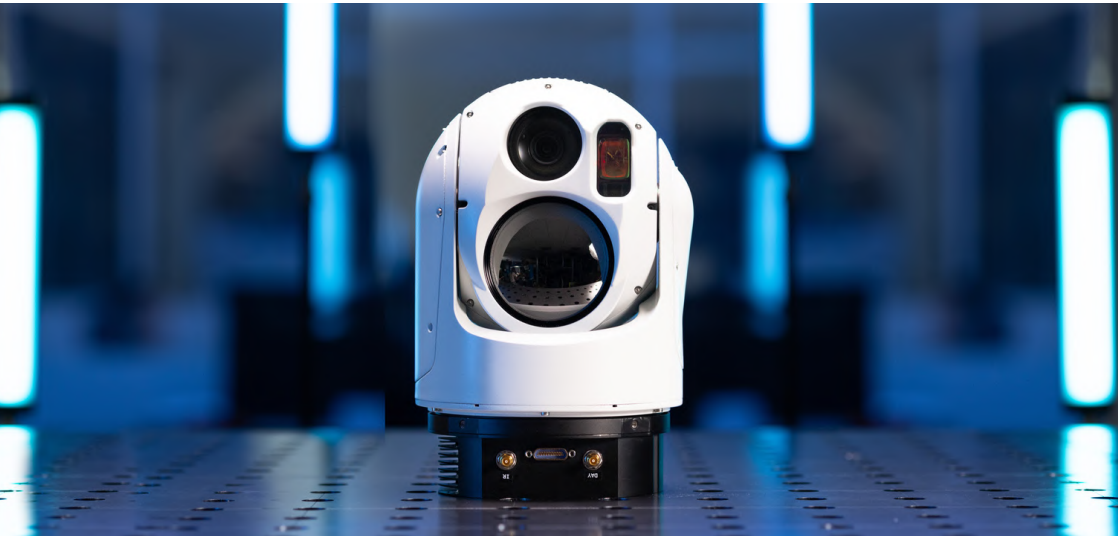
EO

IR

LRF

LP

DRI 20KM



The Milvus 14 is a gimbal with a 14 cm diameter and a weight of 2 kg. It features a Full HD day camera with x30 optical zoom and a 640×480 LWIR infrared camera with x5 optical zoom. It also integrates a laser rangefinder (LRF) and a laser pointer (LP), making it a complete solution for missions requiring both detection and designation.



MILVUS 14Z

215MM HEIGHT (8,5'')

WEIGHT 2,0KG (4,4LB)

140MM DIAMETER (5,5'')



SENSORS :

- EO: Full HD (1920×1080) with x30 optical zoom
- LWIR: VGA (640×480) with x5 optical zoom
- LRF: 12 km range
- LP: 850 nm
- Daytime vehicle detection: 20 km



MILVUS 16

2,5KG

AERIAL

EO

LRF

LP

IR

LTD

DRI 24KM



The Milvus 16 delivers a high-performance day-and-night solution for airborne platforms. This gyro-stabilized turret is available in two models: the Milvus 16MW, equipped with a cooled MWIR thermal camera, and the Milvus 16D, featuring a laser designation function.



MILVUS 16MW

232MM HEIGHT (9,1'')

WEIGHT 2,8KG (6,1LB)

160MM DIAMETER (6,3'')

SENSORS :

- EO : Full HD (1920x1080) with x30 optical zoom (x36 optional)
- MWIR: Cooled VGA (640x512) with x15 optical zoom
- LRF: 12 km range
- LP: 850 nm
- Daytime vehicle detection: 24 km



MILVUS 16D

232MM HEIGHT (9,1'')

WEIGHT 2,0KG (4,4LB)

160MM DIAMETER (6,3'')

SENSORS :

- EO: Full HD (1920x1080) with x30 optical zoom
- LWIR: SXGA (1280x1024)
- LRF: 12 km
- LTD: >50 mJ, STANAG 3733-compliant
- Daytime vehicle detection: 20 km

MILVUS 25

5,5KG

AERIAL

EO

LRF

LP

IR

LTD

DRI 24KM



The Milvus 25 provides a high-performance solution for aerial platforms. This gimbal comes in four models: the Milvus 25S, the Milvus 25HP, the Milvus 25HQ, and the Milvus 25D, each offering different levels of optronic performance, with the Milvus 25D featuring a laser designation function.



All Milvus 25 variants share the same footprint for easy integration –**325 mm height (12.8")** and **250 mm diameter (9.8")**—regardless of sensor configuration. Options include an integrated **Laser Range Finder (LRF)** with 15 km range and a **Laser Pointer (LP)** at 830 nm.

MILVUS 25S

WEIGHT 5,5KG (12,1LB)

- EO: Full HD (1920×1080) with x30 optical zoom
 - MWIR: Cooled VGA (640×512) with x15 optical zoom
 - Daytime vehicle detection: 20 km
-

MILVUS 25HP

WEIGHT 6,3KG (13,9LB)

- EO: Full HD (1920×1080) with x55 optical zoom
 - MWIR: Cooled VGA (640×512) with x25 optical zoom
 - Daytime vehicle detection: 35 km
-

MILVUS 25HD

WEIGHT 6,5KG (14,3LB)

- EO: Full HD (1920×1080) with x55 optical zoom
 - MWIR: Cooled SXGA (1280×1024) with x20 optical zoom
 - Daytime vehicle detection: 35 km
-



MILVUS 25D

WEIGHT 7KG (15,4LB)

- EO: Full HD (1920×1080) with x30 optical zoom
- MWIR: Cooled VGA (640×512) with x15 optical zoom
- Daytime vehicle detection: 20 km
- LTD : >50mJ STANAG 3733



MARINE GIMBAL



The Zephyr 25 is a 25 cm gimbal weighing 5.5 kg, designed for naval applications where robustness and reliability are essential. It features a Full HD day camera with x30 optical zoom and a VGA (640×512) MWIR infrared camera with x15 optical zoom. Compact yet powerful, it provides an effective solution for long-range surveillance and observation.

2025



ZEPHYR 25S

325MM HEIGHT (12,8'')

WEIGHT 5,5KG (12,1LB)

250MM DIAMETER (9,8'')

SENSORS :

- EO: Full HD optical zoom x30 (optional x55)
- IR MWIR (VGA): Optical zoom x15 (optional x25)
- LRF: 15 km
- Laser Pointer: 830 nm
- Da: 19,7/10,5/5,9 km
- Daytime Vehicle DRI: 20 km



PORTFOLIO

AERIAL GIMBALS

TEMIS FAMILY



2025



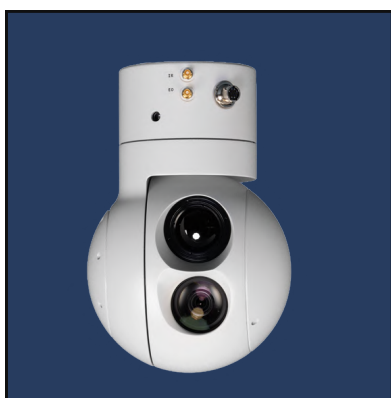
TEMIS XL

183MM HEIGHT (7,2'')

WEIGHT 1,1KG (2,4LB)

127MM DIAMETER (5'')

- EO: Full HD (1920×1080) with x30 optical zoom
- LWIR: Uncooled VGA (640×480)
- Daytime vehicle detection: 20 km



TEMIS XL 14HD

210MM HEIGHT (8,2'')

WEIGHT 1,55KG (3,4LB)

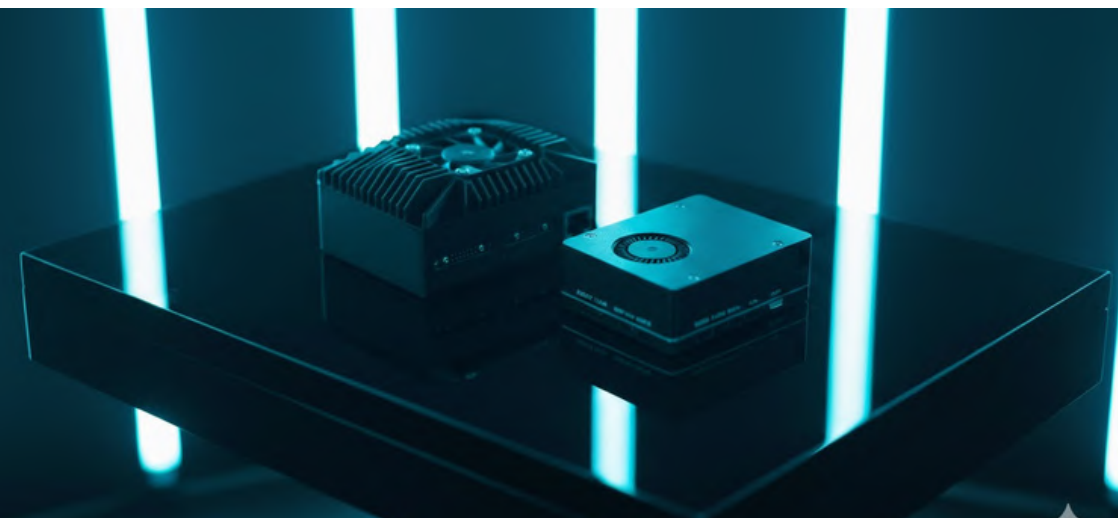
140MM DIAMETER (5,5'')

- EO: Full HD (1920×1080) with x30 optical zoom
- LWIR: Uncooled SXGA (1280×1024)
- Daytime vehicle detection: 20 km
- LRF: 12 km range
- LP: 850 nm

PORTFOLIO

EMBEDDED INTELLIGENCE

VISION.AI



Vision.AI is our range of embedded video-processing solutions, designed to adapt to a wide variety of needs. Natively integrated into our optronic systems, it optimizes image quality, bandwidth, and operational efficiency.

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VisionMax

Here are Vision Max's core capabilities for Merio gimbals:

- **Encoded video** : H.264 / H.265
- **Video inputs** : 2x videos up to 4k
- **Stabilization**
- **Geo-Tracking**
- **Tracking & Follow Me**
- **Detection**
- **Classification**
- **STANAG 4609**

STANDARD

107x70x45mm - 200gr



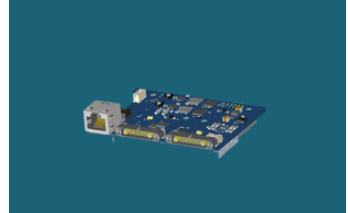
LIGHT CASING

78x57x27mm - 140gr



OEM

55x40x20mm - 80gr



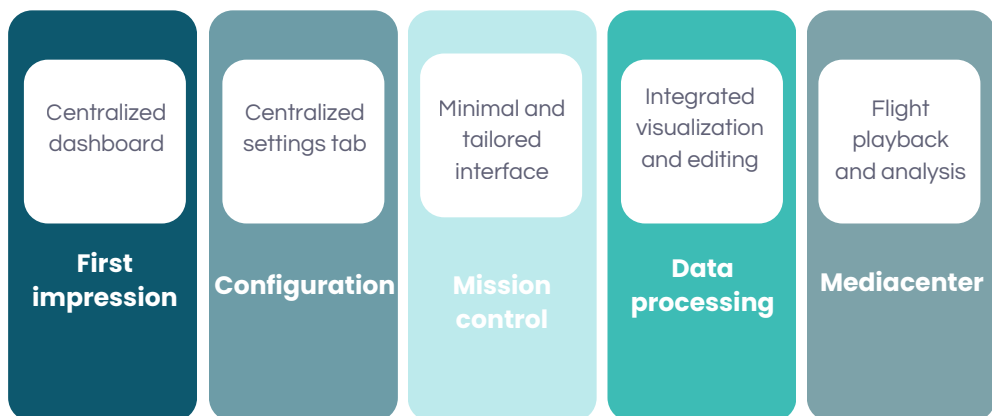
VisionNano



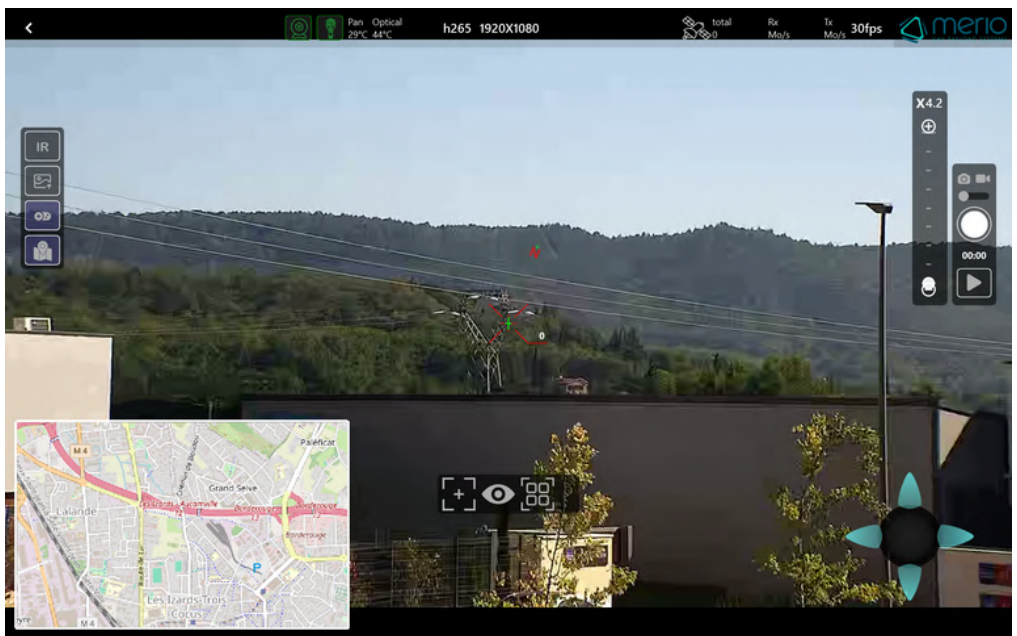
VisionNano is a compact embedded module that supports **H.264/H.265 encoding, digital stabilization, and tracking / follow-me** functions, all compliant with **STANAG 4609** standards.

VISION CONTROL

VisionControl positions itself as a next-generation solution in the field of Ground Control Systems (GCS) for drones. Its philosophy is based on creating a unified, intuitive, and powerful user experience that covers the entire lifecycle of a drone mission.



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NEW GROUND CONTROL STATION SOFTWARE

Interface features

- Dual video display (day/night camera).
- Camera controls – Direct access to zoom, focus, exposure, image stabilization, and thermal palette selection.
- Operational shortcuts – One-click actions to start video recording, enable object tracking, or activate AI-based detection.
- Integrated map
- Distance calculation



ADRESS

ZAC Drôme Sud Provence, 96 impasse de la Robe,
Les Pâtis Lieu-dit, 26130 Saint-Paul-Trois-Châteaux, France

CONTACT OUR SALES TEAM

sales@merio.fr

