

# PRODUCT CATALOG





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# ABOUT MERIO

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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

**2026 PORTFOLIO**

AERIAL GIMBALS

# NEW FAMILY



# 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 x160 zoom (x10 optical + x16 digital)
- LWIR : VGA (640x480)
- LP : Optional, Class 3B, 830nm
- Daytime vehicle detection : 10 km



# MILVUS 10

650 G

AERIAL

EO

IR

LPF

LP

DRI 10KM



The Milvus 10M is a compact, gyrostabilized 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.



# MILVUS 10M

**144MM HEIGHT (5,7'')**

**WEIGHT 650G (1,4LB)**

**100MM DIAMETER (3,9'')**

## **SENSORS :**

- EO : Full HD (1920x1080) with x160 zoom (x10 optical + x16 digital)
- LWIR: VGA (640x480)
- LRF: Class 1 (Eye Safe), 4,5km range
- LP : Optional, Class 3B, 830nm
- Daytime vehicle detection: 10 km



# MILVUS 14

2,0KG

AERIAL

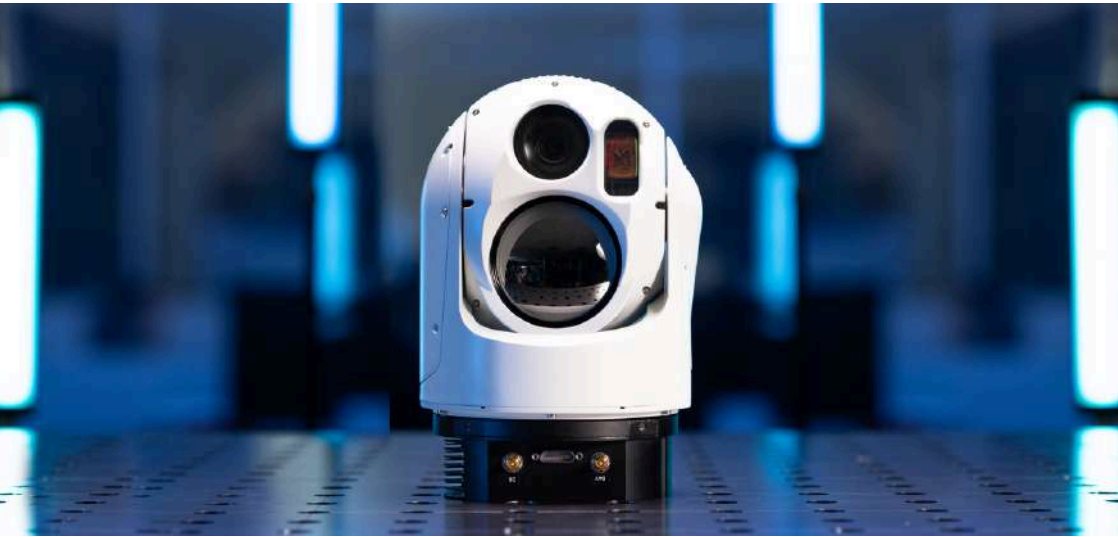
EO

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: EO: Full HD (1920×1080) with x360 zoom (x30 optical + x12 digital)
- LWIR: VGA (640×480) with x40 zoom (x5 optical + x8 digital)
- LRF: Class 1 (Eye-Safe), 12 km range
- LP: Optional, Class 3B, 850nm
- Daytime vehicle detection: 20 km



# MILVUS 16

2,5KG

AERIAL

EO

LRF

LP

IR

LTD

DRI 20KM



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 (1920×1080) with x360 zoom (x30 optical + x12 digital)
- MWIR: Cooled VGA (640×512) with x120 zoom (x15 optical + x8 digital)
- LRF: Class 1 (Eye-Safe), 12 km range
- LP: Class 3B, 850nm
- Daytime vehicle detection: 24 km



# MILVUS 16D

**232MM HEIGHT (9,1'')**

**WEIGHT 2,0KG (4,4LB)**

**160MM DIAMETER (6,3'')**

## SENSORS :

- EO : Full HD (1920×1080) with x360 zoom (x30 optical + x12 digital)
- LWIR: SXGA (1280×1024)
- LRF: Class 1 (Eye-Safe), 12 km range
- LTD: >50 mJ, STANAG 3733-compliant
- Daytime vehicle detection: 20 km

# MILVUS 25

5,5KG

AERIAL

EO

LRF

LP

IR

LTD

DRI 35KM



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 x360 zoom (x30 optical + x12 digital)
  - MWIR: Cooled VGA (640×512) with x120 zoom (x15 optical + x8 digital)
  - Daytime vehicle detection: 20 km
- 

## MILVUS 25HP

**WEIGHT 6,3KG (13,9LB)**

- EO : Full HD (1920×1080) with x1.760 zoom (x55 optical + x32 digital)
  - MWIR: Cooled VGA (640×512) with x200 zoom (x25 optical + x8 digital)
  - Daytime vehicle detection: 35 km
- 

## MILVUS 25HD

**WEIGHT 6,5KG (14,3LB)**

- EO : Full HD (1920×1080) with x1.760 zoom (x55 optical + x32 digital)
- MWIR: Cooled VGA (640×512) with x160 zoom (x20 optical + x8 digital)
- Daytime vehicle detection: 35 km



## MILVUS 25D

**WEIGHT 7KG (15,4LB)**

- EO : Full HD (1920×1080) with x360 zoom (x30 optical + x12 digital)
- MWIR: Cooled VGA (640×512) with x120 zoom (x15 optical + x8 digital)
- Daytime vehicle detection: 20 km
- LTD : >50mJ STANAG 3733



# MARINE GIMBAL



Designed specifically for maritime platforms, the Zephyr models deliver exceptional performance in some of the most demanding environments. Robust, precise, and built for resilience, the Zephyr range is available in four variants – Zephyr 25S, Zephyr 25HP, Zephyr 12S, and Zephyr 12HP – offering tailored solutions for every operational need at sea.



The Zephyr 25 feature a **height of 325 mm (12.8")** and a **diameter of 250 mm (9.8")**, while the Zephyr 12 models offer a more compact design with a **height of 200 mm (7.8")** and a **diameter of 120 mm (4.7")**. All Zephyr systems are equipped with a **Class 1 LRF** laser (detection range of 12 to 15 km), as well as an optional **Class 3B LP** laser (830 nm).

## ZEPHYR 25S

**WEIGHT 5,5KG (12,1LB)**

- EO : Full HD (1920×1080) with x360 zoom (x30 optical + x12 digital)
  - MWIR: Cooled VGA (640×512) with x120 zoom (x15 optical + x8 digital)
  - Daytime vehicle detection: 20 km
- 

## ZEPHYR 25HP

**WEIGHT 6,3KG (13,9LB)**

- EO : Full HD (1920×1080) with x1.760 zoom (x55 optical + x32 digital)
  - MWIR: Cooled VGA (640×512) with x200 zoom (x25 optical + x8 digital)
  - Daytime vehicle detection: 35 km
- 

## ZEPHYR 12S

**WEIGHT 1,5KG (3,3LB)**

- EO : Full HD (1920×1080) with x360 zoom (x30 optical + x12 digital)
- MWIR: Cooled VGA (640×512) with x8 zoom (x8 digital)
- Daytime vehicle detection: 20 km



## ZEPHYR 12HP

**WEIGHT 2KG (4,4LB)**

- EO : Full HD (1920×1080) with x360 zoom (x30 optical + x12 digital)
- MWIR: Cooled VGA (640×512) with x8 zoom (x8 digital)
- Daytime vehicle detection: 20 km



AERIAL GIMBALS

# TEMIS FAMILY





# TEMIS XL

**183MM HEIGHT (7,2'')**

**WEIGHT 1,1KG (2,4LB)**

**127MM DIAMETER (5'')**

- EO : Full HD (1920×1080) with x360 zoom (x30 optical + x12 digital)
- LWIR: Uncooled VGA (640×480)
- LRF: Class 1 (Eye Safe), 4,5km range
- Daytime vehicle detection: 20 km



# TEMIS XL 14HD

**210MM HEIGHT (8,2'')**

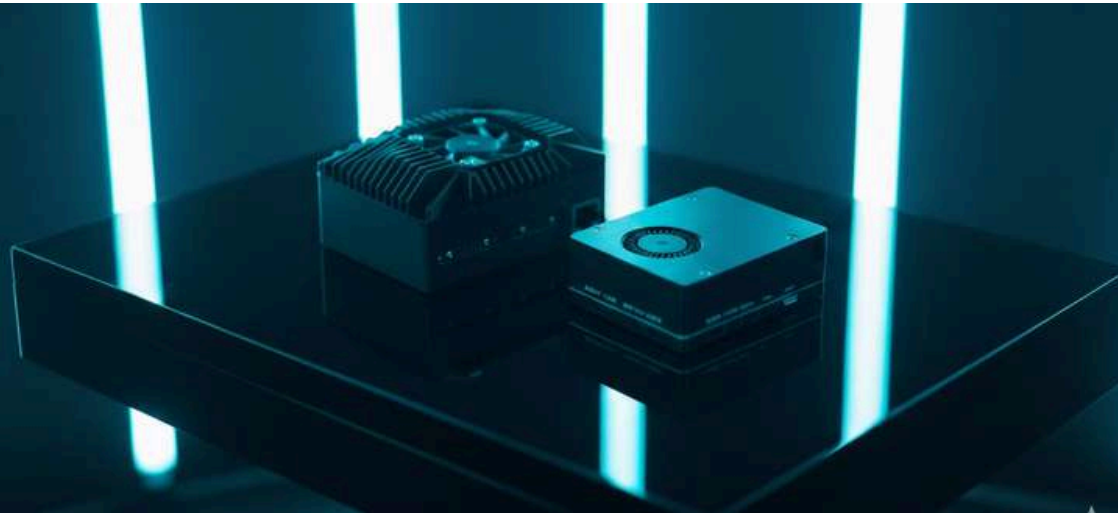
**WEIGHT 1,55KG (3,4LB)**

**140MM DIAMETER (5,5'')**

- EO : Full HD (1920×1080) with x360 zoom (x30 optical + x12 digital)
- LWIR: Uncooled SXGA (1280x1024)
- LRF: Class 1 (Eye Safe), 12km range
- LP : Optional, Class 3B, 830nm
- Daytime vehicle detection: 20 km

# 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.

## 2025 PORTFOLIO

# VisionMax

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

- **Encoded video** : H.264 / H.265
- **Video inputs** : 2x videos up to 4k
- **Digital Stabilization**
- **Geo-Tracking**
- **3rd Axis stabilization**
- **Tracking & Follow Me**
- **Target Detection**
- **Classification & update**
- **STANAG 4609**
- **Communication protocol**

## STANDARD

107x70x45mm - 210gr



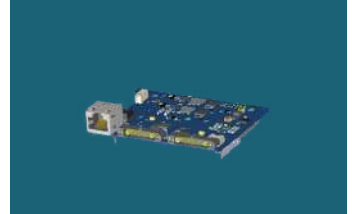
## LIGHT CASING

78x57x31mm - 140gr



## OEM

55x40x20mm - 80gr



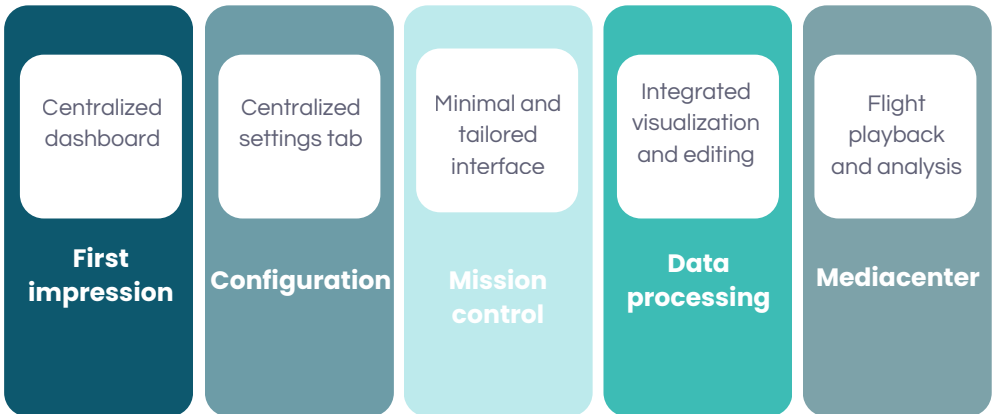
# VisionNano



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.



## 2025 PORTFOLIO



# NEW GROUND CONTROL STATION SOFTWARE

## Interface features

- Simple, Dual or Picture-in-Picture 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 and target coordinate calculation.