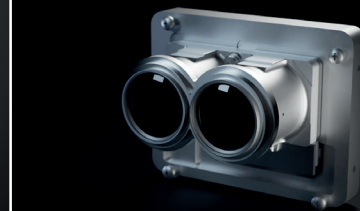




MOVIA™ Air Plus

MOVIA™ Air



MOVIA™ Air (unhoused)



3D data streamed in real-time

MOVIA™ Air

Real-time Perception for Autonomous Flight.

MOVIA™ Air is a lightweight, drone-optimized lidar solution that brings real-time 3D perception to autonomous aerial systems, enabling safer navigation, obstacle detection, and live environmental awareness in the most demanding conditions.

Light enough to fly. Powerful enough to perceive.



Lightweight by Design

Approximately 50% lighter than MOVIA™ L while maintaining industrial-grade sensing performance.



Built for Autonomy

Onboard edge processing enables intelligent perception directly on the platform.



Day or Night Awareness

Reliable environmental perception regardless of lighting conditions.



Mission Ready

Optimized for UAVs operating in challenging and GNSS-denied environments.

Product proof points

352 g

Ultra-lightweight

<10 W

Low power consumption

±3 cm

Ranging accuracy

Real-Time

Onboard edge processing

Sensor Fusion

Camera + Lidar fusion ready



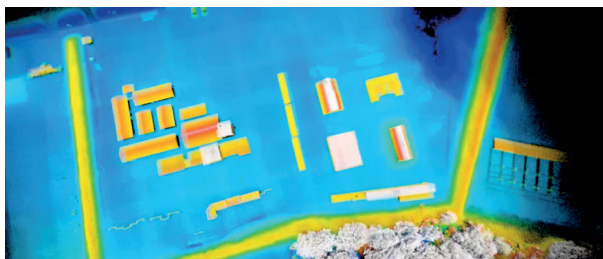
Two variants. Many mission profiles.



MOVIA™ Air

MOVIA™ Air enables drones and autonomous aerial systems to perceive, navigate and map complex environments where traditional vision systems and radar fall short.

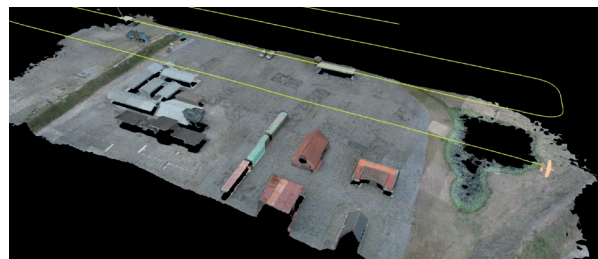
- ▶ Object detection
- ▶ Object tracking
- ▶ Autonomous following
- ▶ Autonomous landing
- ▶ Environmental measurement



MOVIA™ Air Plus

MOVIA™ Air Plus offers live 3D mapping of environments, ideal for scenarios requiring actionable information while the flight is still underway.

- ▶ Real-time 3D mapping
- ▶ Sensor fusion (lidar + camera)
- ▶ Edge AI processing
- ▶ Autonomous navigation
- ▶ SLAM



Defense

- ▶ Night Operations
- ▶ Reconnaissance
- ▶ Threat Assessment
- ▶ GNSS-Denied Navigation

Commercial UAV

- ▶ Inspection
- ▶ Mining
- ▶ Infrastructure
- ▶ Construction

Package Delivery

- ▶ Landing Assistance
- ▶ Drop Zone Verification
- ▶ Obstacle Detection
- ▶ Route Mapping

Emergency Response

- ▶ Search & Rescue
- ▶ Wildfire
- ▶ Disaster Mapping
- ▶ Damage Assessment

Specifications & System Highlights

Technology / Features	MOVIA™ Air	MOVIA™ Air Plus
Mass	390 g (352g unboxed)	600 g (900 g with camera)
Dimensions (L x W x H)	91 x 69 x 72 mm	95 x 108 x 81 mm (155 x 110 x 69mm)
Typical Power / Voltage	7W (9-16V)	17W (9-16V)
Data Interface	100BaseTx Ethernet	1000BaseTx Ethernet
Measurement Range	0.15 - 80 m	0.15 - 80 m
Accuracy	3 cm	3 cm
Field of View (H x V)	60° x 37.5°	120° x 75°
Map Resolution	N/A	0.05 to 1m Voxels

Real-Time Mapping

3D data streamed in real-time

Onboard Edge Processing

Full perception stack runs directly on the platform.

GNSS-Denied Navigation

Lidar odometry for high-rate position without GPS.

Sensor Fusion

Lidar and camera merged into a single 3D model.

Passive Mode

Low-emission operation for discreet missions.

Multi-Echo

Sees through foliage, dust and rain to true ground.