

M-EYE

The UAV for emergency & rescue services



TECHNICAL DATA

Your mission always in view: Situation reconnaissance and mission monitoring from the air

The new Magirus M-Eye is a state-of-the-art, high-performance UAV that has been specially developed for use by emergency and rescue services. The quadcopter is equipped with cutting-edge technology to quickly provide an overview of even the most complex operational situations. It ensures effective support of emergency services from a safe distance. With a flight time of up to 68 minutes and integration into the TacticNet mobile tactical operations network, the Magirus M-Eye is the ideal aerial support for a wide range of tasks.

Aircraft			
Maximum takeoff weight	4,000 g (incl. payload of max. 1,480 g)		
Dimensions (W x D x H); diagonal axis distance	500 x 450 x 300 mm; 600 mm		
Speed	Max. 12 m/s		
Flight time	Up to 68 min (without payload)		
Range	7 km CE / 10 km FCC		
Protection class	IP 43		
Positioning	Dual RTK		
Camera (optional)			
Type	Dual camera with zoom camera and thermal image		
Resolution Zoom / Thermal	1,920 x 1,080 px / 640 x 512 px		
Thermal sensitivity thermal imaging camera	< 50mK (at 25 °C)		
Remote control		Battery	
Display	7" 1080P (Full HD)	Capacity	10 Ah 6S LiPo
Weight	1,200 g	Weight	1,300 g
Operating system	Android 10	Scope of delivery	incl. exchangeable battery



Portable drone case incl. exchangeable battery



Real-time recording of the operational area through high-resolution cameras



Tracking mode: Camera with AI identification and tracking of up to 10 objects (vehicles and people)



M-Eye as a source of information that sends images to mission control for situation assessment

Practical features

- Tracking mode: camera with AI object identification and tracking of up to 10 objects (vehicles and persons)
- Picture-in-picture view for thermal and real image
- Rangefinder: Measuring range from 5 to 1,500 m
- Waypoint route planning and Return-To-Launch (RTL) function
- Interchangeable camera

Optionally available

- LED lighting system incl. additional gimbal attachment to the drone body
- LED bar for attachment to the rotor arm
- Various camera systems available
- Quick charger 350 W
- Drone landing pad
- Integration into the Magirus TacticNet mobile tactical operations network
- Further options and equipment possibilities on request

Your advantages

- Real-time mission monitoring and data transmission
- Best in class with up to 68 minutes flight time
- Position accuracy in the centimetre range thanks to Dual RTK navigation sensor
- High-resolution camera for optimal overview from a safe distance

Status: 09.2023

Illustrations may include additional options. We reserve the right to make technical changes or improvements at any time without prior notice. Errors excepted.

Magirus GmbH
Graf-Arco-Straße 30 - 89079 Ulm - Germany
www.magirusgroup.com
magirus@ivecogroup.com

