

## 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)	
Туре	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

#### **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

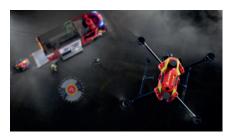
- ▶ Real-time mission monitoring and data transmission
- ▶ Best in class with up to 68 minutes flight time
- > Position accuracy in the centimetre range thanks to Dual RTK navigation sensor
- > High-resolution camera for optimal overview from a safe distance



Portable drone case incl. exchangeable battery



Real-time recording of the operational area through high-



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

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