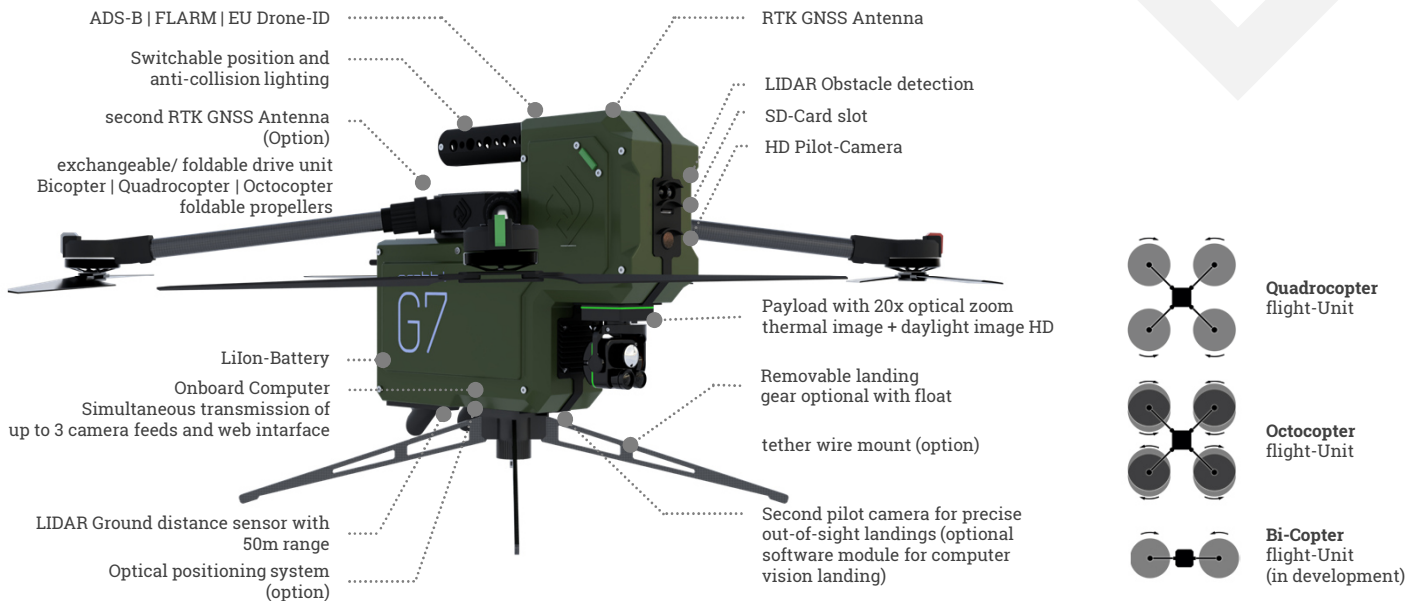




# Grabbit G7



## GENERAL DESCRIPTION

Grabbit G7 is a tactical UAS for surveillance, observation, reconnaissance missions and SAR. The Grabbit G7 impresses on the outside with its compact and no-frills design. Inside, however, it conceals a whole range of useful functions.

**INTERCHANGEABLE DRIVE UNIT:** The tool-free, fast-change drive unit offers another advantage that no other UAV on the world market can match.

**BUILT-IN REDUNDANCY:** Grabbit G7's autopilot is equipped with a 3-fold redundant Inertial Measurement Unit. Thanks to its modern ARM® Cortex® H7 processor, Grabbit G7 is also well equipped for future features.

**HIGHLY DEVELOPED EO/IR PAYLOAD:** The EO/IR Multi-camera gimbal system offers day- and night-vision mode, 40x zoom, Tracking and Detection functionality.

**ICE SUITE FEATURE:** Grabbit G7's data-link provides 3 protection tiers:

- ✓ Communication Immunity
- ✓ Cyber Security protection
- ✓ Data Encryption



## MAIN FEATURES

- ✓ INTERCHANGEABLE DRIVE UNIT
- ✓ UP TO 40 MINUTES FLIGHT TIME
- ✓ EO/IR MULTI CAMERA SYSTEM
- ✓ DAY- AND NIGHTVISION
- ✓ GEO LOCATION CAPABILITY
- ✓ OBJECT TRACKING BY DAY AND NIGHT
- ✓ PERSON AND VEHICLE DETECTION
- ✓ FIRE AND SMOKE DETECTION
- ✓ DETECTION OF PEOPLE IN WATER
- ✓ BI-, QUADRO- OR OCTOCOPTER DRIVE
- ✓ UP TO 3 SIMULTANEOUS CAMERA FEEDS
- ✓ ENCRYPTED IMAGE AND VIDEO RECORDING
- ✓ POINT TO POINT AND POINT TO MULTIPOINT DATALINK
- ✓ IP-BASED CONTROL SYSTEM
- ✓ WEB CONFIGURATION INTERFACE



## TECHNICAL DATA

Dimensions	Characteristic Dimension.: mm Wheel Base: 670 mm Package volume: 430 x 430 x 580 mm Rotor diagonal: 670 mm Ø Package size: 400mm x 400mm x 400mm Ready to fly: 540mm x 540mm x 270mm
Propellers	16" Ø
Motors	Brushless Motors
Battery	1x Lithium-Ionen battery
Weight	3200 g
Max. Take-off weight	3500 g
Speed	55 km/h max
Climbing performance	3,5 m/s max.
Flight altitude ASL	4000m max.
Wind resistance	10m/s max.
Working temperature	-20°C to +50°C / -4°F to 122°F
Protection class	IP54
Flight time	53 min. with Bi-Copter flight-unit 40 min. with Quadrocopter flight-unit 32 min. with Octocopter flight-unit
Sensors	2x Magnetometer, 2x Barometer, Heated IMU, Obstacle Avoidance-LIDAR, Altitude-LIDAR, Optical Flow
Frequencies	2,1 – 2,7 GHz, other frequencies on request!
Operating range	Max. 5 km   endless with LTE   AUTOMATIC Flight Mode without Radio connection
Data transmission/protocols	AES 128, optional AES 256 encryption, MavLink, STANAG 4586 (OPTION)
Video Standards	H264, MPEG-2, MISB ST 0601 / KLV Metadata
Options	On request



**Grabbit G7** V4



## OPTIONS

Tether station, for power supply via cable

Transport case or trolley

ADS-B | FLARM | EU Drone-ID

Individual colour scheme

Additional landing gears e.g. with float

Software modules: SAR, Object Tracking,  
Smoke and Fire Detection, People Search  
in Water

