

BOREY 20 UAV

The Fixed Wing BOREY 20 UAV is designed for different long-range missions, security solutions, and commercial applications.

- The BOREY 20 UAV covering 400 km (248 mi) in a single mission
- Long-range performance capabilities with a flight time of up to 5 hours
- GPS data embedded recording of video or images
- Live streaming up to 120 km (80.8 mi)
- Resistance to jamming
- Takeoff and landing is fully automatic
- Proprietary Autopilot

The unique mobility of the system allows for quick Borey 20 transportation and deployment in minutes. The modular UAV design makes exchanging of various function modules easy.

- Low operating costs
- Any terrain launch
- Long operational lifespan
- Speedy task execution
- Simple maintenance
- Easy deployment and recovery
- Large areas



- Aerial mapping and surveying
- Monitoring of facilities in areas of natural and man-made disasters
- Monitoring of power lines, industrial facilities, oil and gas pipelines
- Search and rescue operations (SAR)
- Disaster area reconnaissance
- Rail & Road monitoring
- Borders control

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PERFORMANCE

PARAMETER	DATA
Cruising speed	20 m/sec (65.6 ft/sec)
Maximum speed	30 m/sec (98.5 ft/sec)
Max. Payload	4 kg (8.8 lb)
MTOW	26 kg (57.3 lb)
Max. climbing capacity	4 m/s (7.8 kts)
Max. wind speed while take-off or landing	10 m/s (19.5 kts)
Flight time	5 hours
Operational range	400 km (249 mi)
Practical ceiling	3,500 m (11.483 ft) ISA
Digital data link	up to 120 km (up to 74.5 mi)
Telemetry and control data link	up to 120 km (up to 74.5 mi)

PHYSICAL SPECIFICATIONS

PARAMETER	DATA
Wingspan	4,370 mm (172 in)
Length	875 mm (34.5 in)
Height	347 mm (13.6 in)
Empty weight	8.7 kg (19 lb)
Emergency landing	Parachute
Onboard power supply	24V, LI-Ion
Powered by	Electric motor 2000W
Level surface	Takeoff 100 x 100 m and Landing plot 100 x 100 m
Ground support equipment	Not required
Takeoff technique	Mechanical catapult
Recovery system	Parachute landing
Operating temperature	from -20 °C to +40 °C

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