

# BOYGA-B

AMMUNITION DROP UAV



# TECHNICAL SPECIFICATIONS

## AMMUNITION DROP UAV

BOYGA B is a high-precision and modular rotary-wing carrier platform developed by STM. It is capable of carrying the TUNGA Smart Munition and multiple MOD-132 munitions. Designed to successfully perform missions such as reconnaissance-surveillance, target engagement, and the deployment of munitions and FPV systems on the tactical battlefield, it features CRPA and Kerkes integration, allowing it to operate in GNSS-denied or GNSS-jammed environments. With autonomous, semi-autonomous, and manual flight modes, it provides operational flexibility for the user. Its integrated release mechanism and smart release board allow for the easy integration of various types of munitions.

### CAPABILITIES

- › Capable of operating day/night missions
- › Target detection and tracking with high-resolution onboard imaging system
- › Real-time EO/IR image transmission to Ground Control Station
- › Autonomous munition release and mission cancellation capability
- › Emergency mode management
- › High-performance navigation and flight control system
- › Operable by a single personnel
- › Mission planning and autonomous mission execution
- › Payloads selected for mission-specific needs can be easily replaced by a single operator in the field
- › Optional CRPA and Kerkes integration

### SPECIFICATIONS

Take off Weight	28 kg
Payload Capacity	8 kg
Dimensions (Arms extended, excluding propellers) (LxWxH)	1860x1540x660 mm
Folded (including propellers) (LxWxH)	770x655x660 mm
Diagonal Axle Distance	1860 mm
Geometric Configuration	Hexacopter (6 Motors)

### PAYLOAD OPTIONS

1x TUNGA Smart Munition (Please Refer TUNGA Brochure)	2x81MM BOYGA UAV AMMUNITION	1x KarguFPV Carry-and-Release (Please Refer KarguFPV Brochure)
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### FLIGHT PERFORMANCE

Maximum Cruise Speed	54 m/s
Flight Time	35 minutes
Range	10 km (with external antenna) 5 km (with onboard GCS antenna)
vMission Flight Altitude (AGL/MSL)	800 m / 3000 m
Operating Temperature	-20°C to 50°C
Wind Resistance	10 m/s

### IMAGING SYSTEM

Optical Zoom	40x
Optical Camera Resolution	1920x1080
Thermal Camera Digital Zoom	8x
Thermal Camera Resolution	640x512

### 81 MM BOYGA UAV AMMUNITION

Fuze Type	Precision Super Quick Impact Fuze
Weight	2 kg
Warhead	1300 fragments, 5 mm each
Effective Radius	15 m

## STM SAVUNMA TEKNOLOJİLERİ MÜHENDİSLİK VE TİCARET A.Ş.

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