

# BOYGA

AMMUNITION DROP UAV



# TECHNICAL SPECIFICATIONS

## AMMUNITION DROP UAV

BOYGA is a UAV solution that can carry 81 mm UAV ammunition adapted to the mechanism that releases the safety system, and can carry out the planned task and drop the useful loads on the target or coordinate it chooses.

The CRPA antenna integrated into BOYGA enhances resilience against GPS jamming, ensuring reliable navigation and mission continuity in contested environments. Thanks to KERKES technology, BOYGA can operate autonomously without GPS signals, maintaining precise mission execution even in GNSS-denied areas.

## CAPABILITIES

- › Combat-Proven
- › Vertical Take-Off and Landing
- › Rapid Deployment (Less than 1.5 minutes)
- › Operation in GNSS-Denied or GNSS-Jammed Environments
- › Day and Night Mission Capability
- › Precision Strikes from High Altitudes
- › Low Radar Cross-Section Platform Design
- › Easy Transport and Operation
- › Emergency Landing Point and Autonomous Return-to-Home Capabilities
- › Highly Reliable Fuze Design
- › Advanced Ballistic Estimation Algorithm
- › High-Destructive-Power Munition
- › Precision Landing Sensor

## MUNITION

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

## OPTIONAL CRPA CONFIGURATION

<b>Take-off Weight (With Payload)</b>	175 kg
<b>Flight Time (With Payload)</b>	35 minutes

## OPTIONAL KERKES CONFIGURATION

<b>Take-off Weight (With Payload)</b>	19 kg
<b>Flight Time (With Payload)</b>	30 minutes

## GROUND CONTROL UNIT

<b>Display</b>	Rugged high-precision touchscreen
<b>Military Environmental Qualification</b>	MIL-STD-810G
<b>Operating Time</b>	2 hours
<b>Antenna Type</b>	Internal or External Antenna
<b>Interfaces</b>	USB - ETHERNET - HDMI

## SPECIFICATIONS

<b>Dimensions (With Arms, Propellers Excluded)</b>	900 × 900 × 510 mm (L × W × H)
<b>Dimensions (Without Arms, Propellers Included)</b>	550 × 550 × 510 mm (L × W × H)
<b>Maximum Take Off Weight (With Payload)</b>	17 kg
<b>Endurance (Including Payload)</b>	35 minutes
<b>Range</b>	10 km (with external antenna) 5 km (with onboard GCS antenna)
<b>Imaging</b>	EO Camera 30x Optical Zoom IR Camera
<b>Maximum Flight Altitude</b>	3000 m (MSL)
<b>Cruise Speed</b>	54 km/h
<b>Wind Resistance</b>	10 m/s
<b>Operating Temperature</b>	-20°C to 50°C

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

Mustafa Kemal Mah. İsmail Karakaya Cad.  
No: 3A İç Kapı No: 1 Çankaya-Ankara/TÜRKİYE  
T +90 312 266 35 50 - F +90 312 266 35 51 - www.stm.com.tr

