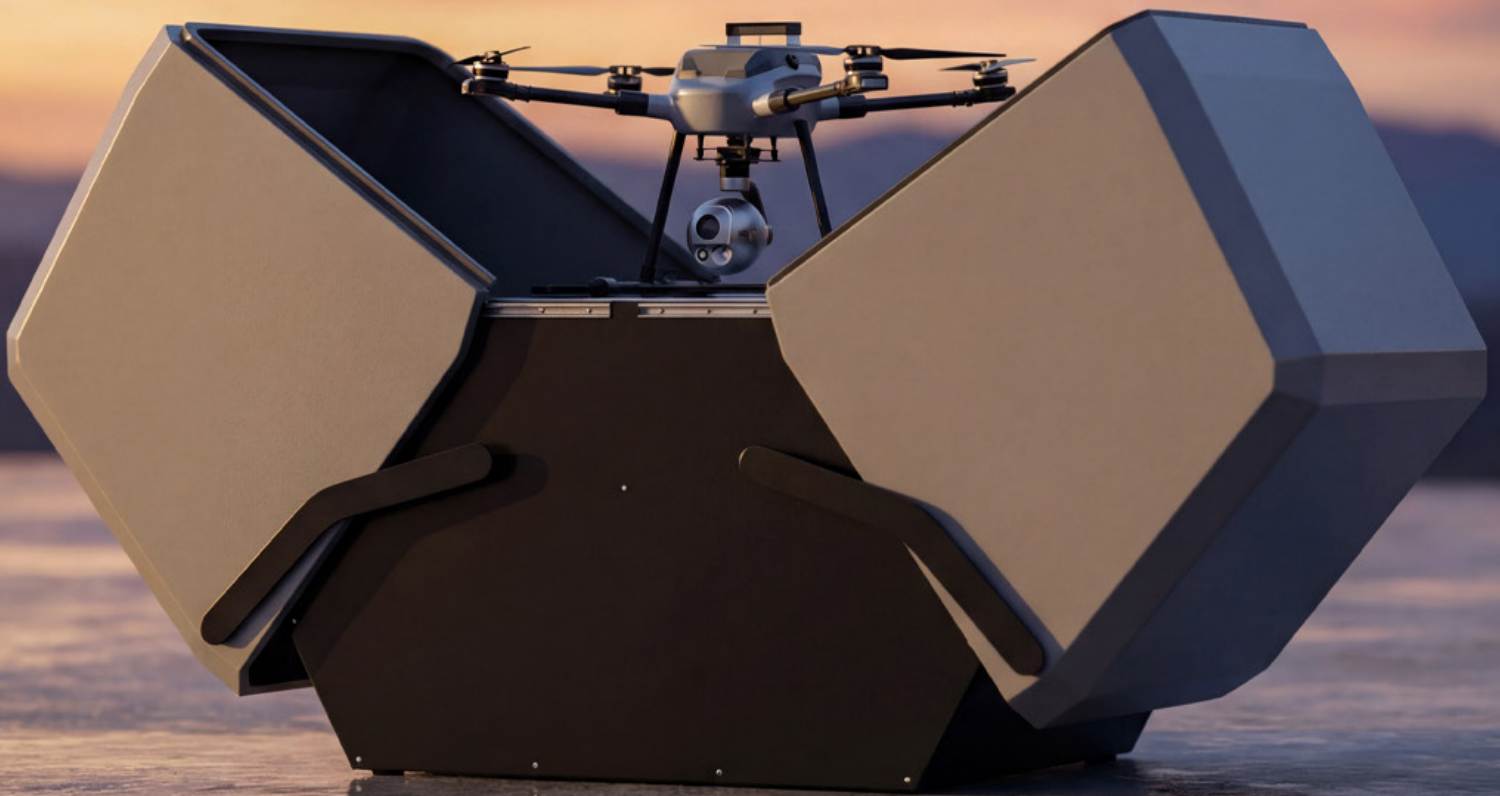


# TOGAN

TACTICAL ISR UAV



# TECHNICAL SPECIFICATIONS

## TACTICAL ISR UAV

TOGAN is a multi-rotor UAV designed to carry on tactical surveillance and reconnaissance missions. TOGAN employs advanced image processing capabilities, enabling the detection and classification of threats that are difficult to spot with human eye, while the CRPA antenna integrated into TOGAN enhances resilience against GPS jamming, ensuring reliable navigation and mission continuity in contested environments. Thanks to KERKES technology, TOGAN can operate autonomously without GPS signals, maintaining precise mission execution in GNSS-denied areas.

## CAPABILITIES

- › Combat-Proven, GNSS-Denied Operational Capability
  - › Vertical Take-Off and Landing, Take-Off and Landing from Land Vehicles
  - › Rapid Deployment (Less than 1 minute), Fast Recharge Capability
  - › Day and Night Mission Capability, Low Radar Cross-Section Platform Design
  - › Moving Object Detection and Target Tracking, Target Coordinate Identification and Sharing
  - › Operable by Single Personnel
  - › Autonomous Return-to-Home Functions
  - › Advanced Image Stabilization, Precision Landing Sensor, Vision-Assisted Precision Autonomous Landing
  - › High-Resolution Photo Capture
  - › Interoperability with KARGU Platform, Artillery Fire Adjustment Through Forward Observation, In-Flight Autonomous Mission Handover
  - › Image and Data Transfer over LTE
  - › Operability with TOGAN NEST System
- TOGAN NEST is Automated Drone Hangar, Designed for Rugged, Reliability and 24/7 Operation  
Total Weight : 400kg  
IP Protection Class: IP45  
Hosted IHA: 1  
UAV Charge Time: 35 dk  
Sensor Set: Wind Speed, Precipitation, Temperature and Humidity, Cabin Interior Temperature

### OPTIONAL CRPA CONFIGURATION

**Dimensions:**  
711 x 711 x 490 mm

**Folded Dimensions:**  
500 x 450 x 490 mm

**Take-off Weight (with payload):** 7.6 kg

**Flight Time (Including Payload):** 35 minutes

### OPTIONAL KERKES CONFIGURATION

**Dimensions:**  
711 x 711 x 490 mm

**Folded Dimensions:**  
500 x 450 x 490 mm

**Take-off Weight (with payload):** 7.9 kg

**Flight Time (with payload):** 30 minutes

## SPECIFICATIONS

<b>Dimensions (Unfolded, Propellers Excluded)</b>	711 x 711 x 410 mm (L x W x H)
<b>Dimensions (Folded, Propellers Included)</b>	500 x 450 x 410 mm (L x W x H)
<b>Max. Take-off Weight (Including Payload)</b>	7 kg
<b>Endurance</b>	45 minutes
<b>Range</b>	10 km (with external antenna) 6.5 km (with onboard GCS antenna)
<b>Imaging</b>	- IR Camera - EO Camera with 40x Optical Zoom
<b>Max. Flight Altitude</b>	3000 m (MSL)
<b>Cruise Speed</b>	72 km/h
<b>Wind Resistance</b>	10 m/s
<b>Operating Temperature</b>	-20°C to +50°C

## GROUND CONTROL UNIT

<b>Type</b>	Mobile
<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

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

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