

BOUNCER - FO

Long Range Fiber Optic Connected FPV UAV

100% JAMMER FREE



Benefits of our Long Distance Fiber Optic FPV solution:

Resilience Against Threats: Fully protected against jamming attacks and interference from various sources, thus safeguarding the UAV's flight operations.

Operational Continuity: Continuous operation even in environments where jamming is prevalent, allowing for uninterrupted operation of UAVs

Enhanced Safety: By eliminating the risk of signal loss or degradation due to jamming, our solution enhances the safety of flight operations, which is especially crucial for commercial and military applications.

Increased Reliability: Our FPV UAVs equipped with our Fiber Optic solution can operate effectively in contested environments, ensuring that UAVs can complete missions without being easily disrupted.

Greater Mission Flexibility: With robust anti-jamming capabilities, our Fiber Optic UAVs can be deployed in diverse and challenging environments without the fear of losing GNSS signals, enabling more strategic mission planning.

Cost-Effectiveness: By preventing potential disruptions and failures due to GNSS interference, our anti-jamming technology reduces costs associated with crash, downtime, repairs, or the need for backup UAV systems.

Overall, our unique long distance Fiber Optic GNSS anti-jamming technology is essential for maintaining the integrity and reliability of navigation systems in UAVs, making them more capable and secure in various operational scenarios.

Basic Specifications

MTOW: 7 Kg

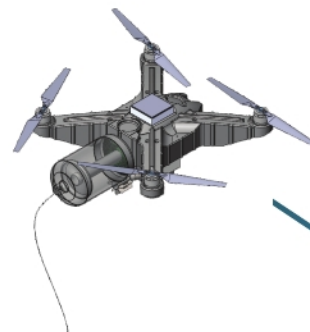
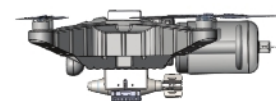
Various Configuration : Ammunition Drop, Kamikaze Mission

100% Jammer Free Long Range Fiber Optic Connectivity

* 3 km

* 5 km

*10 km



SECURE DATA & IMAGE TRANSMISSION



LEADER IN IT & TELECOMMUNICATION
FIBER OPTIC TECHNOLOGY
TESTING & CALIBRATION LABORATORY

BOUNCER-FO, thanks to the great technology experience of its partner company OPTOKON, an EU company that produces a very special **ultra lightweight** and **durable long range fiber optic cable** exclusively for ADT, has the secure connection technology against jamming threat on the field which is now available at reasonable costs.

ADT HAVACILIK ve SAVUNMA TEKNOLOJİLERİ AS

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OPTOKON AS

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Technical Specifications

Fiber Optic Telemetry & Video Link

Thanks to superb Fiber Optic technology developed by **OPTOKON** a single operator can connect to multiple (max 8 units) **BOUNCERS-FO** units at the same time.

Communication range options:
1 Km - 3 Km - 5 Km - 10 Km.



Motor & Power System

BOUNCERS-FO for long endurance and heavy weight missions, is equipped with industrial grade waterproof T-Motor U5 KV400 motors with 14" carbon fiber propellers.



Camera

BOUNCERS-FO comes with a built-in color **Daytime and IR Night IP Camera** with automatic daytime /night time built-in sensors.

Optional Thermal Camera is also available upon request.



Basic Specifications

Number of Rotors	:	4
Propeller Specifications	:	14"
Ammunition Capacity	:	1 x 60mm or 1.3 Kg Warhead
Link Fiber Optic	:	1-3-5-10 Km
Flight Time	:	15 min
Cruise Speed	:	45 km/h
Max Speed	:	110 km/h
Flight Range	:	10 Km (max)
Height	:	220 mm
Width - Length	:	480 mm
Rotor	:	T-Motor U5 400Kv
Wind Resistance	:	13 m/s
Battery	:	1 x 24V 22AH (6S Li-Ion Battery)
MTOW	:	12 Kg
Anti Jamming-Spoofing	:	RESILIENT TO ANY JAMMING
Daytime Camera	:	2K 1920 x 1080 Lens 2.8mm
IR Camera	:	YES
Thermal Camera	:	Optional
Recording	:	On GCS
Ground Station	:	7" ADT or Any Laptop/PC

