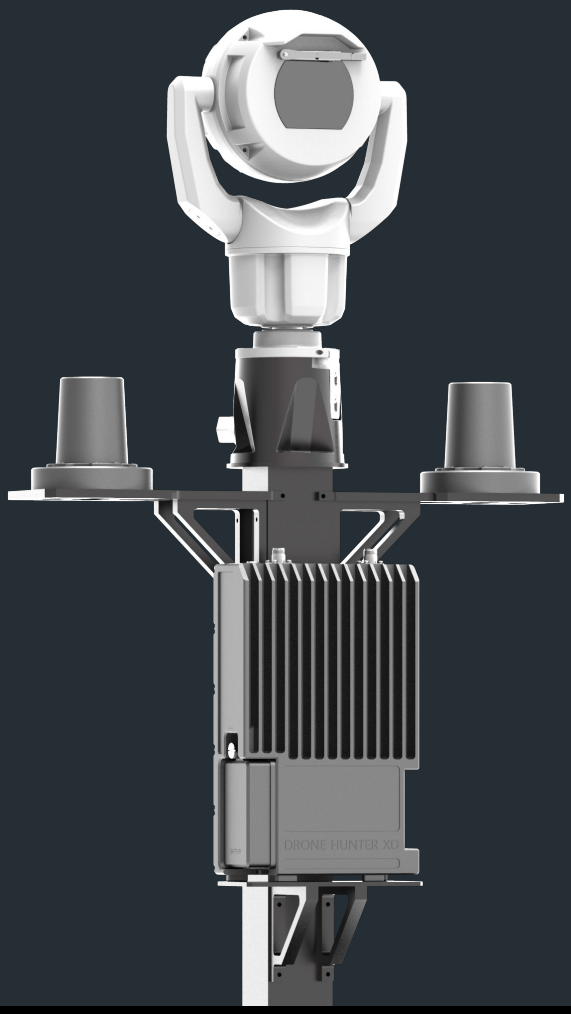
ARBITER

AI-BASED INTELLIGENT C-UAS SYSTEM

ARBITER is an AI-driven, multi-layered counter-drone system protecting critical facilities and personnel from drone threats.

It provides actionable intelligence, not just alarms, through intelligent drone detection, tracking, and neutralization.



2km
Detection Range

IP67
Ingress Protection

360°
Detection Angle

500m
Identification Range

FEATURES : What Sets Us Apart

Absolute Innovation
Protocol decoding + AI cross-verification : Near-zero false detection and false alarms

Perfect Stealth and Safety
Passive sensors ensure no emissions and no location exposure

Flexible Scalability
Scenario-based expansion from detection to kill chain

Protocol Decoding
Drone protocol decoding enables model, serial number, and operator identification

Superior Cost Efficiency
AI-driven near-zero false alarms, reducing operational, labor, and maintenance costs

Ingress Protection
IP67-rated for full dust proofing and rain protection

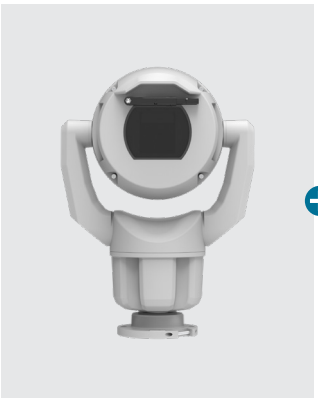
DYMSTEC

Venture Enterprise 벤처확인기업 · MAINBiz 경영혁신형 중소기업 · INNOBIZ 기술혁신형중소기업

ARBITER

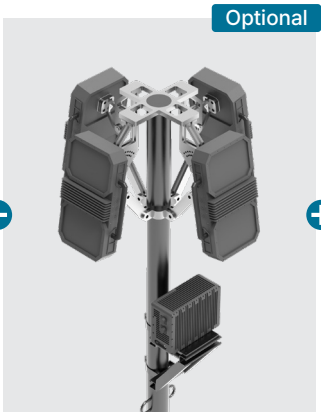
PRODUCT CONFIGURATION

DETECTION-I
Drone Hunter XD



IDENTIFICATION
AI Powered Camera

Optional



DETECTION-II
AESA Radar

Optional

NEUTRALIZATION
Drone Hunter FH

APPLICATION AREAS

Flexible deployment for military bases, airports, ports, critical sites, VIP protection, and border surveillance.

SPECIFICATIONS : DRONE HUNTER XD

Detection Type	RF-based drone protocol decoding and spectrum analysis
Detection Frequency Bands	400 MHz ~ 6 GHz
Supported Protocols	DJI OcuSync (1, 2, 3, 4)
Detection Range	2 km
Detection Coverage	360° (single or multi-nodes)
Weight	<8 kg (including one battery)
Environmental Standards	IP67

SPECIFICATIONS : AI POWERED CAMERA

Daytime EO VA Detection Range	>1 km (0.3 m drone size)
Daytime EO VA Identification Range	500 m to 700 m (0.3 m drone size)
Daytime EO VA Classification Range	>500 m
Night/Low-Light VA Detection Range	500 m (Drone light on)
	300 m to 400 m (Drone light off)

Specifications and design may vary by customer requirements and RF environment (e.g., jamming frequency band, range, and operating conditions).

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