



TRANSVARO

Transvaro Elektron Aletleri Sanayi ve Ticaret A.Ş. an UYAR HOLDİNG subsidiary.

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AIR DEFENCE SOLUTIONS

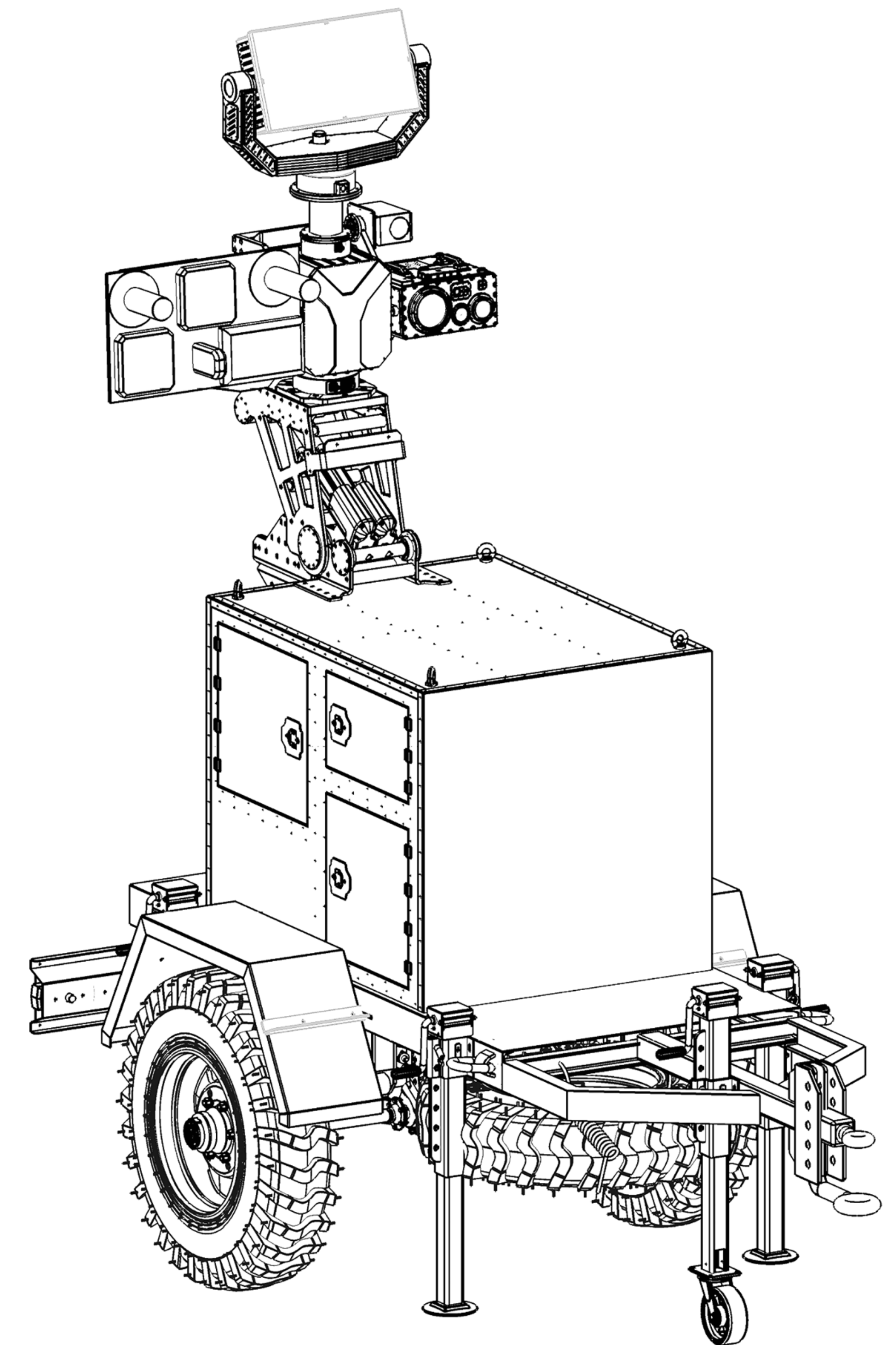
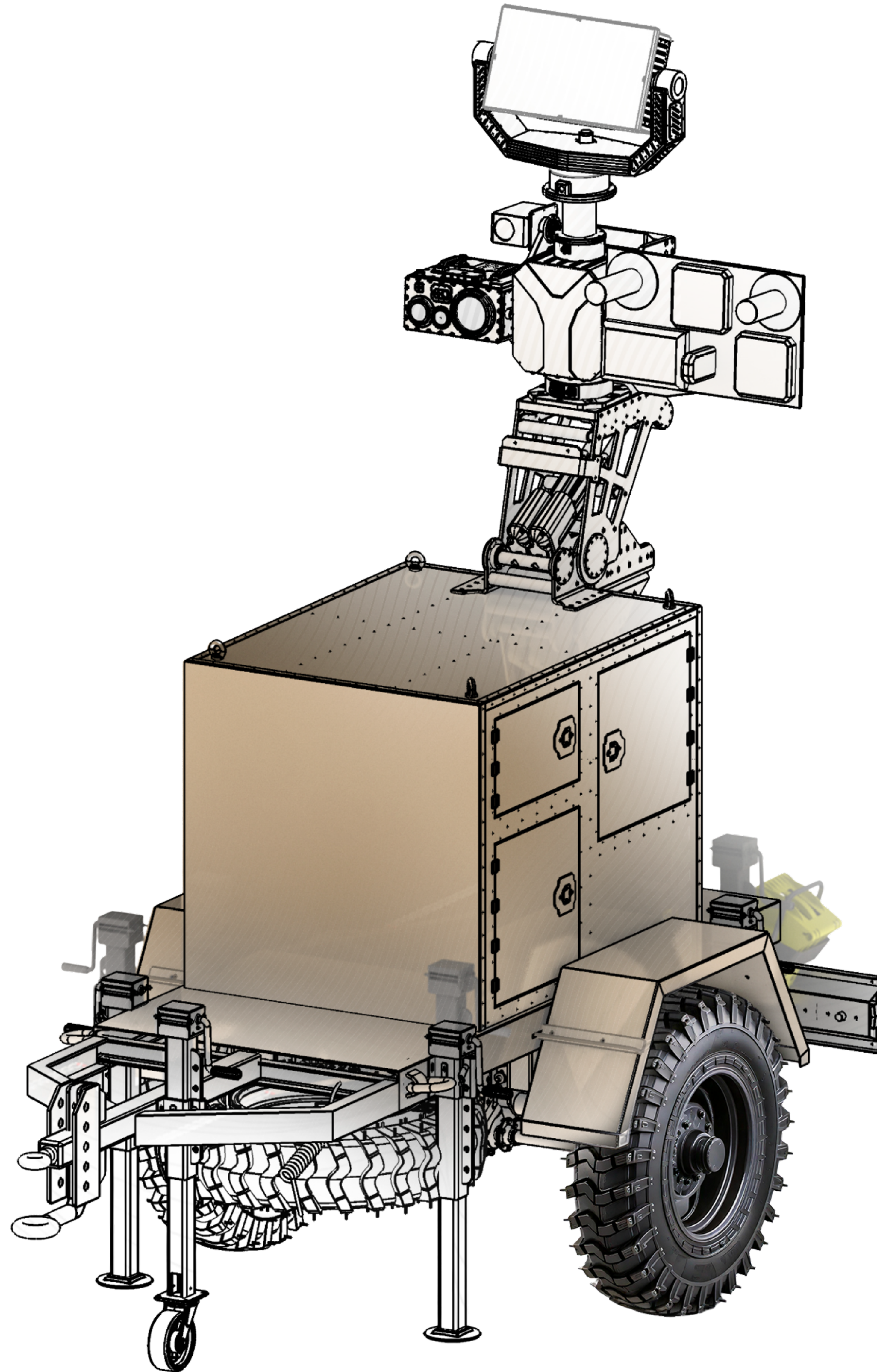
Our integrated solutions are engineered to optimize operational effectiveness, providing military and security forces with a unified battlespace framework encompassing offensive systems, defensive countermeasures, and UAV operations. Leveraging advanced detection technologies and automated weapon systems, each asset is designed for seamless functionality in dynamic and contested environments. Through ongoing innovation and capability expansion, we deliver resilient and adaptive solutions to counter the evolving spectrum of asymmetric threats.

DROKA MOBIL RADAR & EOS

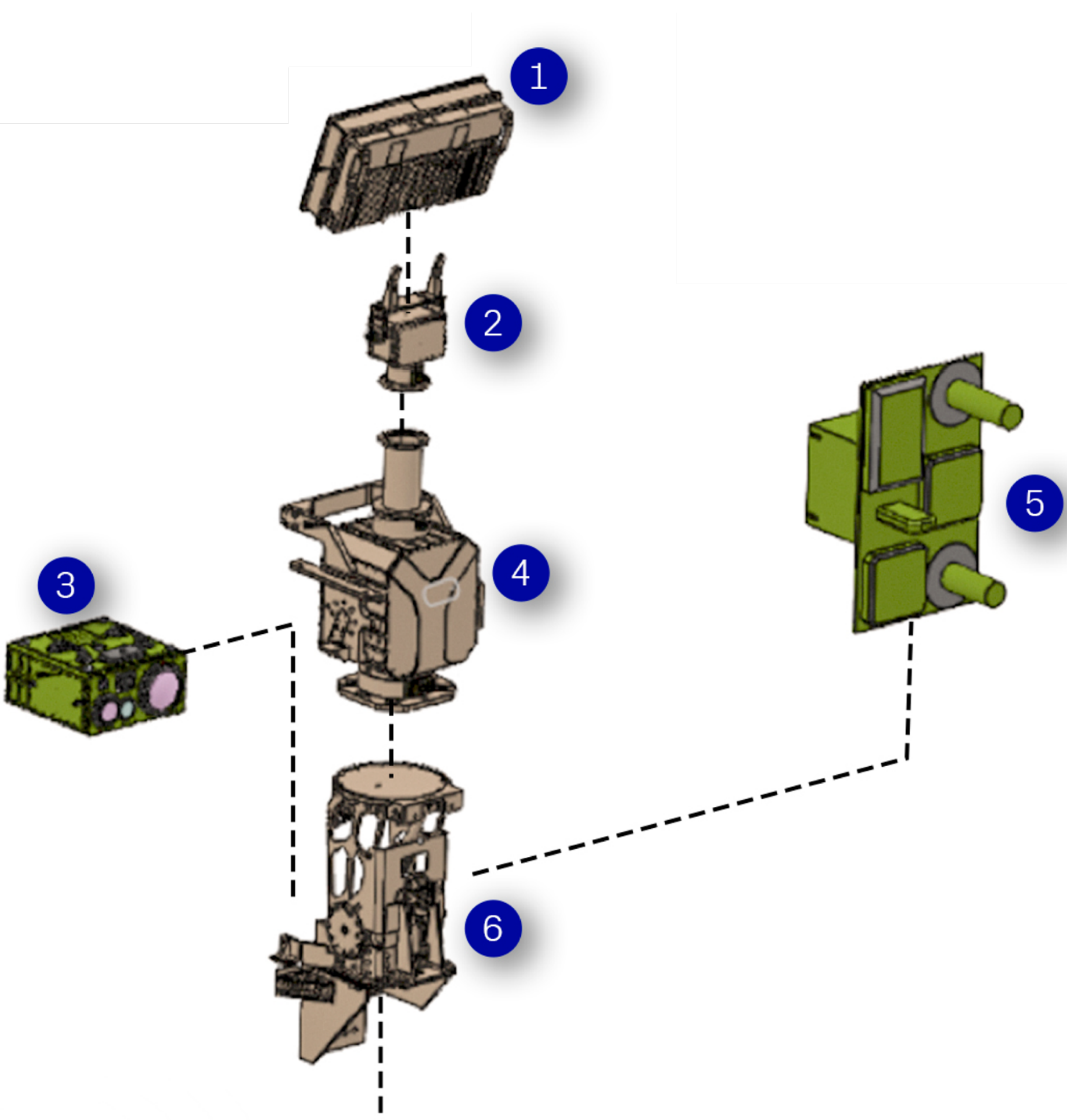
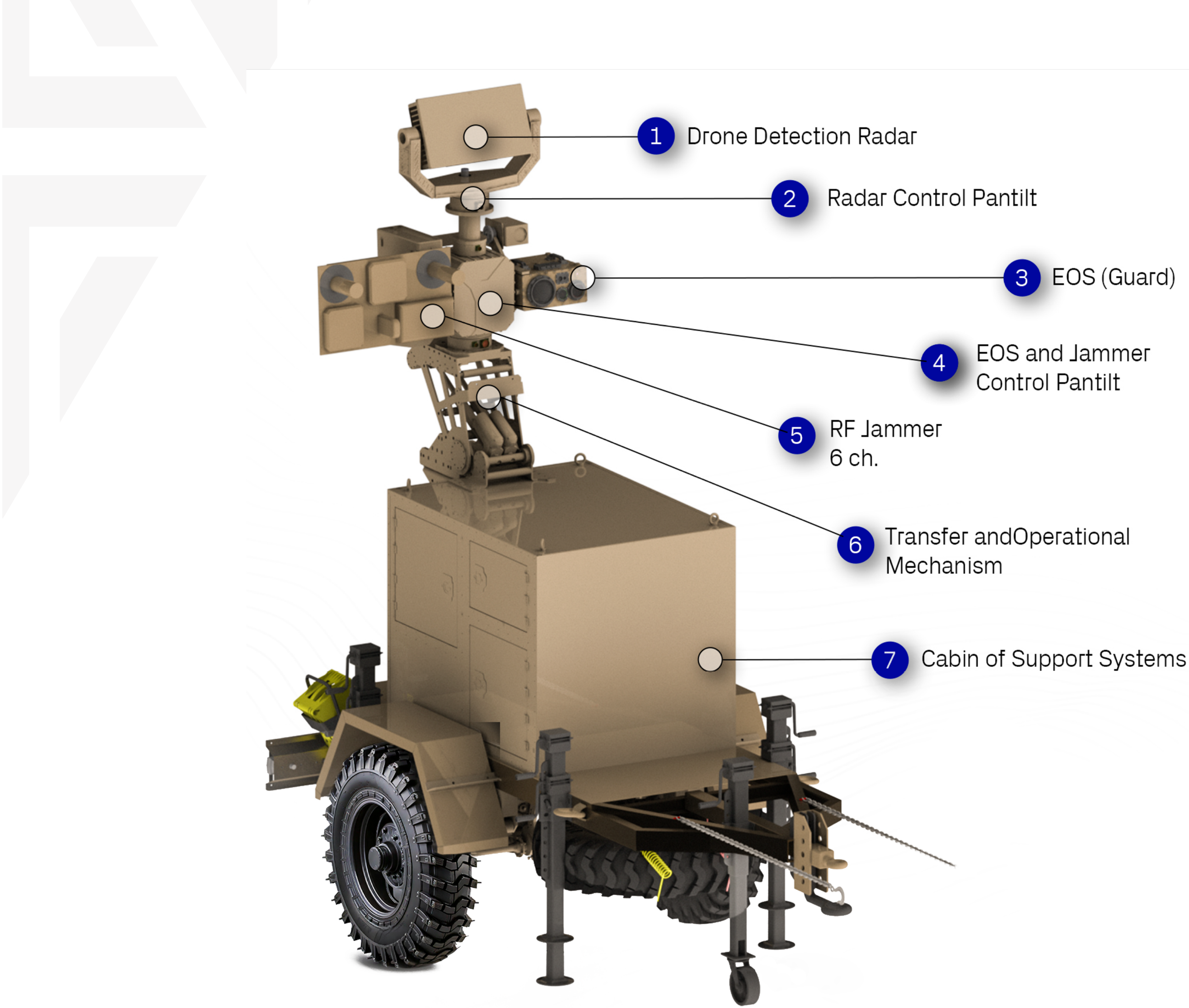
DROKA MOBIL RADAR & EOS

DROKA Mobil Radar & EOS is a mission-ready C-UAS platform featuring a 3D radar that detects and tracks up to 100 drone targets within a 10 km radius, providing precise range, azimuth, and elevation data. Its electro-optical module, with day/night imaging, aligns with radar cues for immediate target identification, while a six-channel jammer disrupts drone command links and navigation.

Designed for expeditionary use, it includes a self-contained support cabin with operator workstations, climate control, and secure data transmission. Mounted on a rugged, all-weather military trailer, DROKA ensures mobility and effective defense across diverse terrains.



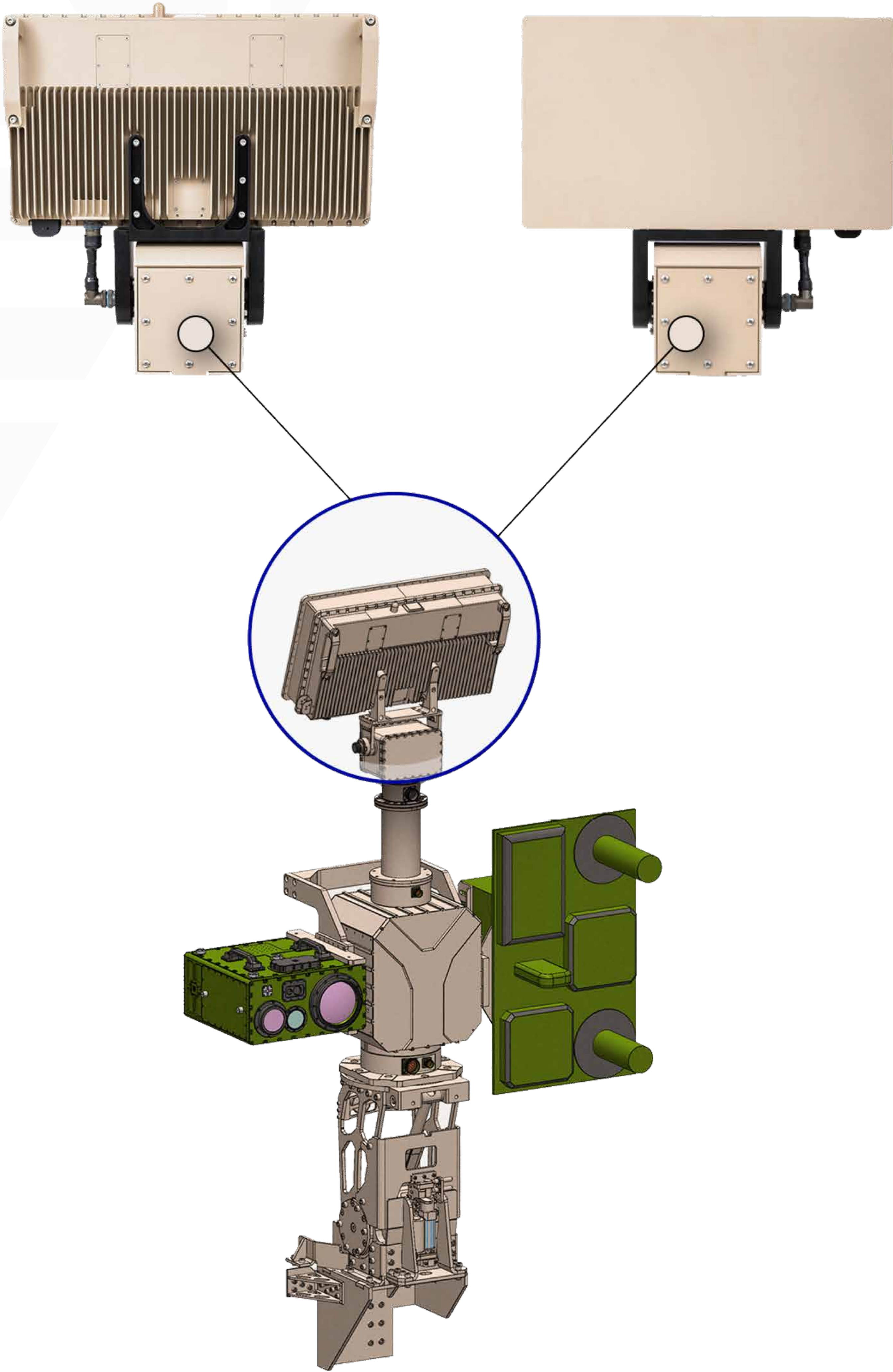
DROKA MOBIL RADAR & EOS



- The radar used in the integration is **a drone detection radar.**
- Detection distance is **10km**
- **100 targets** can be tracked simultaneously
- It is capable of detecting and identifying targets **using thermal and daytime cameras.**

System doesn't include a military trailer.
Product specifications can be customized.

DROKA MOBIL RADAR & EOS



TECHNICAL SPECIFICATIONS

Operating Frequency	KuBand
System Architecture	3Band Pulse- Compression with Pulse-Doppler
Scan Speed	4,8,16,30 rpm (selectable)
Detection Ranges (km)	Drone (DJI Phantom-4): Up to 4,4 km / Drone (Talon): Up to 5,2 km Paramotor: Up to 9,3 km / Human: Up to 9,3 km
Instrumental Range	9,3 km (human)
Azimuth Coverage	360° continuous, 0-360° adjustable sectors
Maximum Number of Tracks While Scan	500
Single Target Tracking	Target analysis mode (High Accuracy Micro-Doppler Analysis)
Built In Test	Temperature, Voltage, Current, Commutation, RF Loop Test
Beam Widht	Azimuth: 2°, Elevation: 40°
Range Resolution	3m
Range Accuary	≤0,5m (ms)
Operating Temperature	-32°~+60°C
Storage Temperature	-40°~+60°C
Environmental Conditions Compatibillity	MIL-STD-810G
Electromagnetic Compatibillity	MIL-STD-461
Interface	10/100 Ethernet

Key Features



Human, Vehicle and Mini/Micro UAV assification



Wide-angle Coverage (360° azimuth coverage & 40° elevation coverage)



Built in GPS and Compass with Map Support



Low Probability of Intercept(LPI)



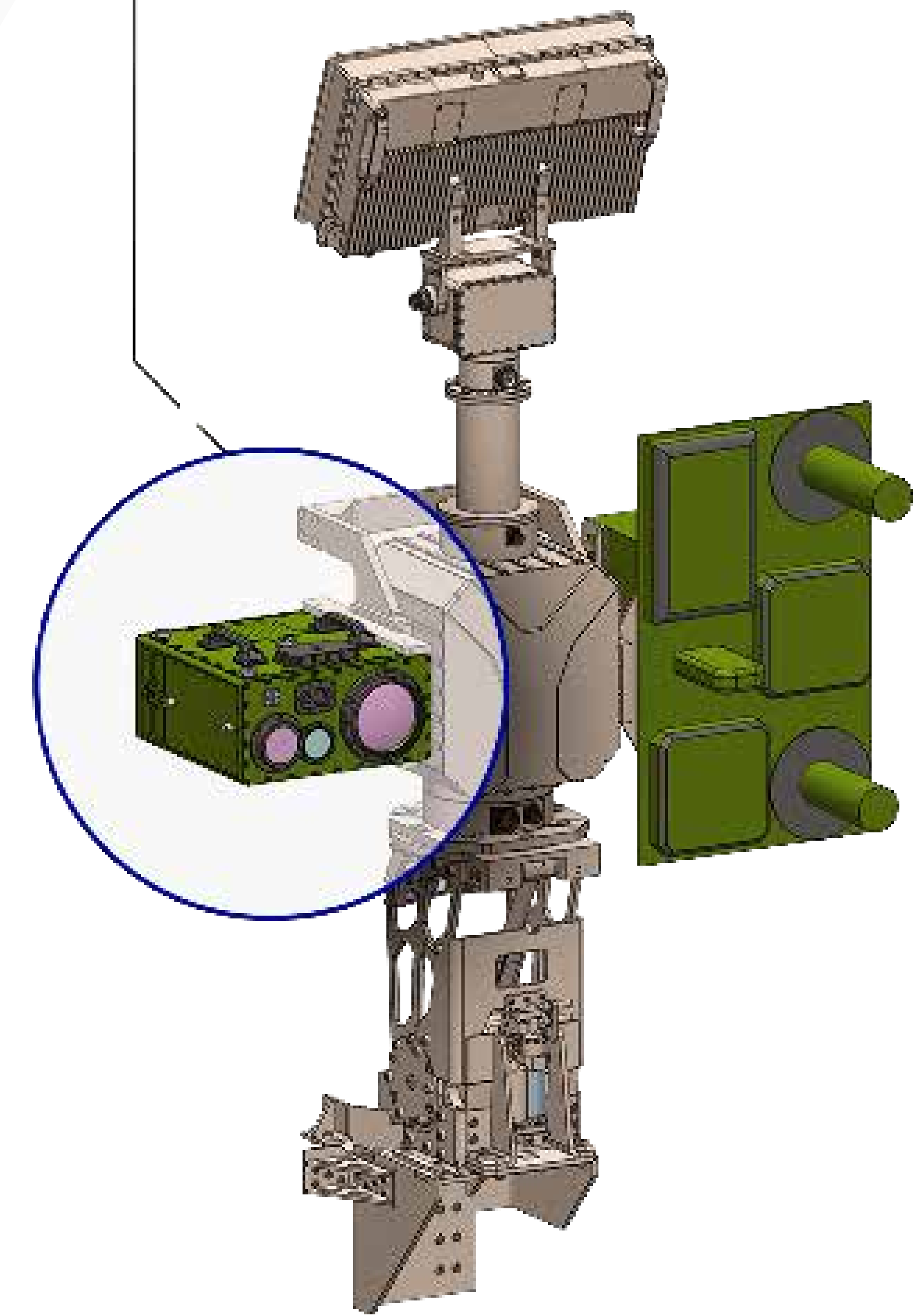
User Friendly GUI



3D position measurement, Mico-Doppler Analysis and Automatic Target Classification with High Accuracy

Product specifications can be customized.

DROKA MOBIL RADAR & EOS



TECHNICAL SPECIFICATIONS

Detector

Type	HgCdTe cooled infrared detector
Resolution	640×512
Narrow FOV	1.2° x 1°
Wide FOV	21.7° x 17.5°
Pixel Pitch	15µm
Aperture (F)	F4
Spectral Band	3.7~4.8µm
NETD	≤30mK @25°C
Cooling Time	≤8min

Day Camera

Type	CMOS
Resolution	1920×1080
Narrow FOV	1.9° x 1°
Wide FOV	62° x 37.4°
Spectral Band	0.4~1.1µm

Lens

Focal Length	25-460mm
Aperture (F)	F4

Image

Image Processing	Non-uniformity correction Digital filtering noise reduction Digital detail enhancement
Mirror Image	Horizontal/Vertical/Diganoal mirror image

DRI

Detection Range	≥3km
Identification Range	≥2km
Recognition	≥1.5km

Interface

Video Output	Analog Video: PAL Digital Video: SDI
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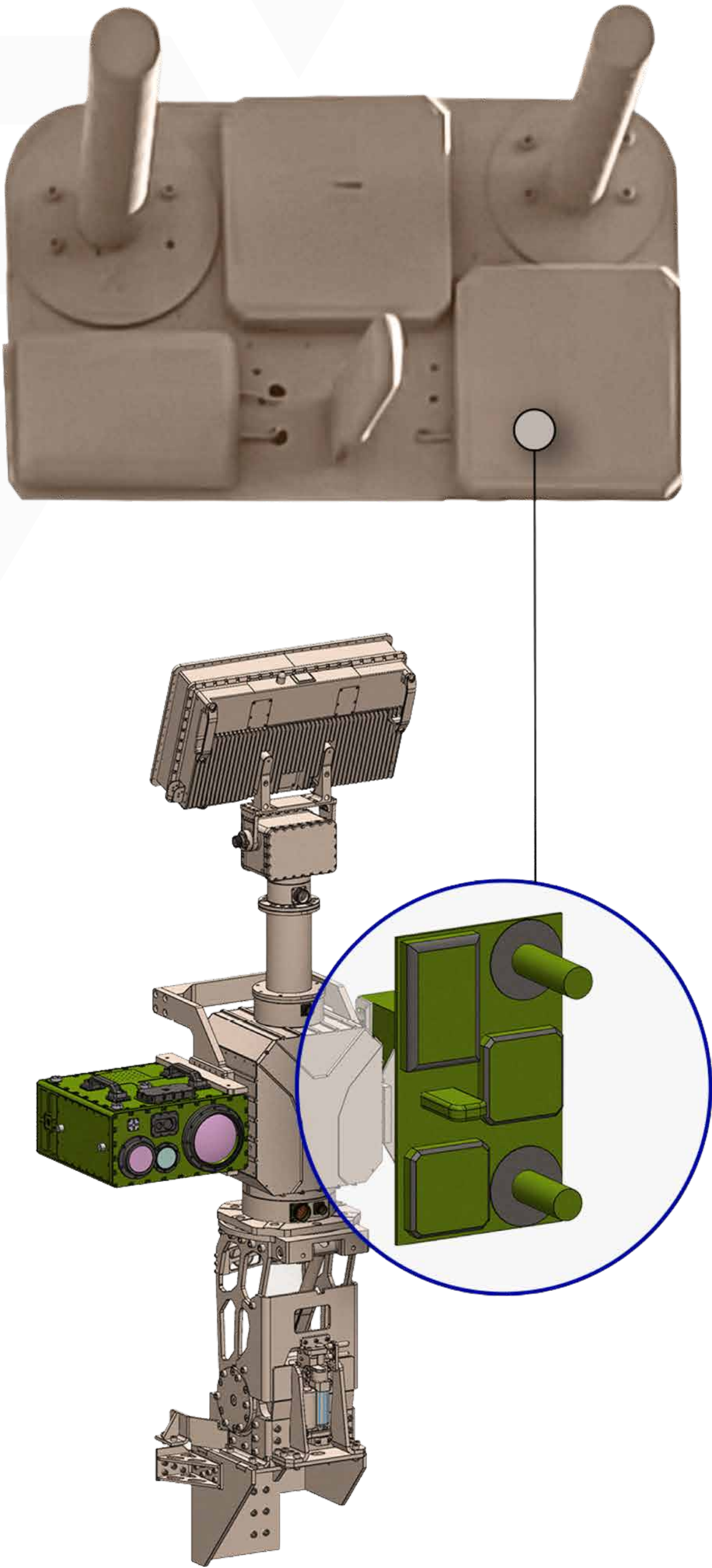
General Specification

Video Output	Ethernet
Image Properties	Saturation, Brightness, Contrast Sharpness, Gamma etc.
Focus	Auto / Manual
Operating Temperature	-32°~+55°C
Storage Temperature	-40°~+60°C

Product specifications can be customized.



DROKA MOBIL RADAR & EOS



Product specifications can be customized.

TECHNICAL SPECIFICATIONS

System Power Supply	Battery Power 220V AC power can be used
Detection Accuracy	Minimum %90 Maximum %100
Coverage	360 Azimuth, 40 Elevation (Degree)
Frequency	12-18 Ghz
Commuation Interface	10/100M Ethernet, RS422 / RS232 interface
Operating Temperature	-30°~+45°C
MTTR	≤30 min (Field replacement parts)
Accessories	Provide attached accessories such as connecting cable, carrying case, dismantling tool, operating and maintenance instructions, display and control software and other documents.
MTBF	10.000 hours

433MHz

Working Frequency	433.05Mhz - 434.79Mhz
Transmitting Power	≥40W

900MHz

Working Frequency	850MHz - 970MHz
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1800MHz

Working Frequency	1790MHz - 1900MHz
Transmitting Power	≥20W

GPS / GLONASS

Working Frequency	
Band-1	1170MHz -1280 MHz (GPS L2 / GPS L5 / GLONASS L2)
Band -1	1550MHz -1620 MHz (GPS L2 / GPS L5 / GLONASS L2)
Transmitting Power	≥20W

5G (5700MHz - 5900MHz)

Working Frequency	5700MHz - 5900MHz
Transmitting Power	≥20W

COMMAND & CONTROL SYSTEM



COMMAND CONTROL PANEL

- Radar Interface
- Day Light Camera Interface
- Thermal Camera Interface
- Communication Interface
- Optional Jammer Interface

TECHNICAL SPECIFICATIONS

Operating Voltage	220 VAC
Power Output 1	24 VDC 6A
Power Output 2	24 VDC 6A
Power Output 3	27 VDC 6A
Communication	Ethernet / RS422 / RS485 - CANBUS

Product specifications can be customized.

The system image displayed represents a standard and customized solution manufactured by our company. Product appearance and specifications may vary depending on system requirements. Each product is individually configured to meet the customer's specific needs; therefore, the delivered product may differ from the image shown and may not be identical to previous deliveries.



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