

APS

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systems

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THE AIRSPACE**

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SKYctrl S

Battle-proven C-UAV System

SKYctrl

3D detection, tracking, classification and neutralization of LSS (Low-Slow-Small) targets.

Minimum detection range:	1 m
Maximum detection range (Target RCS dependent):	2 - 10 km
Range accuracy:	10 - 1 m
Range resolution:	6 - 3 m
Minimum target altitude:	1 m
Maximum target altitude:	10 km
Azimuth/elevation:	90° - 360° / 60° - 20°
Frequency X-Band:	X-Band
Technologies:	AESA/MIMO
Tx output power (peak):	80W

- Very precise 3D multiple target tracking radar with MHT algorithm (multiple hypothesis tracking)
- Automatic classification; differentiation between drones and other aerial objects
- Drones class 1 to class 3 detection and tracking
- Automated jammer with directive antennas covering drones communication and navigation bands
- Dedicated and user-friendly C2 software; the PDQ tool for deployment optimization
- Extremely fast set up - full deployment up to 5 minutes
- Dedicated API for radar data transfer to external systems, easy to integrate with hard-kill effectors
- Automatic positioning and heading control

Battle-proven in Ukraine

Precise detection: 3D MIMO radars, PDQ tool and C2 software

Accurate tracking: multiple targets at once; report in real-time the exact 3D position of the target

Instant classification: artificial intelligence, machine and deep learning algorithms enabling automatic classification of aerial objects

Effective neutralization: automated jammer with directive antennas, cued on target by radar; optional hard-kill integration

