

RA-2X-3D

SYSTEM FOR COUNTERACTING LOW-FLYING TARGETS ACTIVE RADAR

The active radar is multi-role 3D, capable for detection and tracking slow low-flying targets with a low radar cross section. Depending on the user's requirements, two main types of radar can be used, with a range of 2 km. and 6 km respectively. These radars can be used in stationary or portable configuration.

Due to the open architecture of the system's data exchange and management software, it is able to use other types of radar - such as ReGuard with a range of 20 km, as well as information directly from existing airspace surveillance and control systems. .

Main characteristics of active radar capable of detecting drones with RCS 0.01m² at a distance of up to 2 km. capable of detecting drones with RCS 0.01m² at a distance of up to 2 km.

Max. detection range	2 km
Min. detection range	< 150 m
Detection angle Azimuth coverage	360°
Elevation coverage	> 40°
Detection speed	0.5 m/s ~ 30 m/s
Accuracy of measurement Azimuth measurement accuracy	< 1°
Elevation measurement accuracy	< 1°
Distance measurement accuracy	< 10 m
Power supply & Consumption Power consumption	< 200 W (in total)
Working voltage	AC200V~240V
Reliability MTBCF	> 20 000 h
Maintainability MTTR	< 1 h
Dimension Radar array + PTZ	< 710 mm x 700 mm x 350 mm
Total weight	< 100 kg

