



## GRACH-D

### OPTICAL-ELECTRONIC STATION

The Optical-electronic Station “Grach-D” is designed to conduct reconnaissance of the air space round the clock, as well as automatically detect and track targets with the determination of their exact coordinates, and calculate a target lead.

The digital calculator calculates a lead depending on the target type, its distance and velocity vector, taking into account ballistic calculations.

	television	thermal vision
Receiver type	CMOS NIR-enhanced	α-Si 17 μm
Spectral sensitivity	0.4 – 1.1 μm	8 – 14 μm
Receiver resolution	1280x1024	640x480
Objective, narrow field of view	F2.7/15-360 mm	F1.2/75 mm
Objective, wide field of view	F2.7/15-360 mm	F1.0/25 mm
Narrow field of view	1.2°x0.9°	8°x6°
Wide field of view	26°x19°	24°x18°
Image transmission	Ethernet	
Frame frequency	30 Hz	
Control	Ethernet, CAN	
Power Supply	10...28 V	
Power consumption	85 W	
Operating temperature range	-30°C...+50°C	
<b>Range-finder</b>		
Emission wavelength	1550 nm	
Target detection range	NATO standard target – 5000 m Full-height figure target – 3000 m	
Ranging accuracy	±2 m	