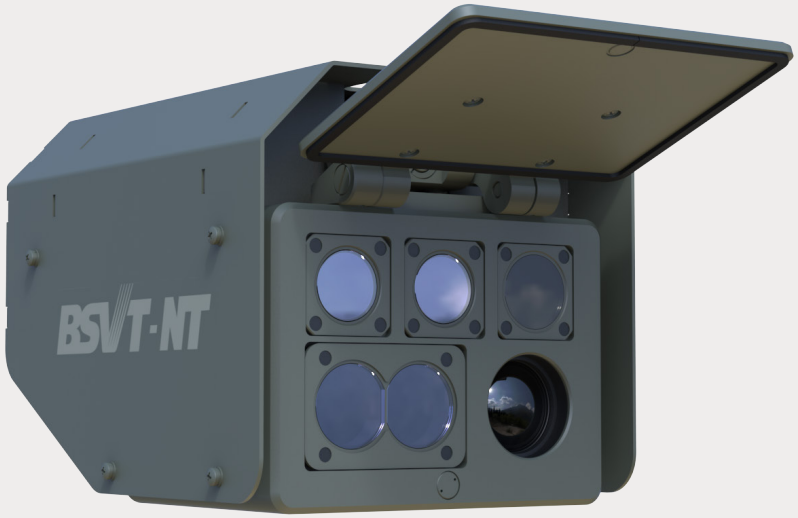
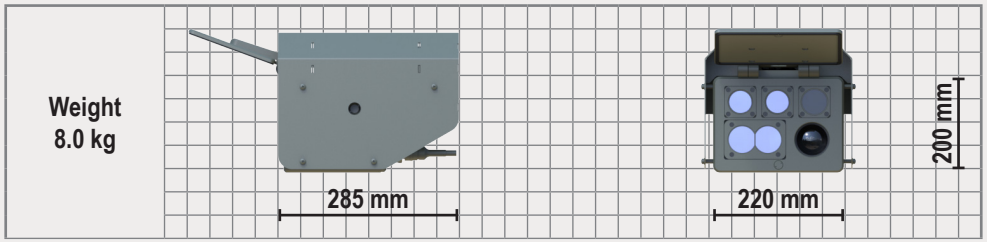


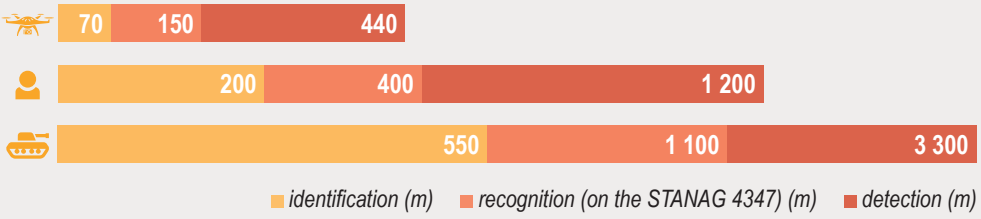
CHIZH-D

OPTICAL-ELECTRONIC STATION

The Optical-electronic Station Chizh-D is based on a multispectral optical-electronic device that allows the station 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	F1.65/35 mm	F1.2/50 mm
Objective, wide field of view	F1.2/6 mm	F1.0/10 mm
Narrow field of view	10°x8°	
Wide field of view	55°x43°	
Image transmission	Ethernet	
Frame frequency	30 Hz	
Control	Ethernet, CAN	
Power Suppl	10…28 V	
Power consumption	85 W	
Operating temperature range	-30°C…+50°C	
Range-finder		
Emission wavelength	1550 nm	
Target detection range	NATO standard target – 5000 m Full-height figure target – 3000 m	
Ranging accuracy	±2 m	