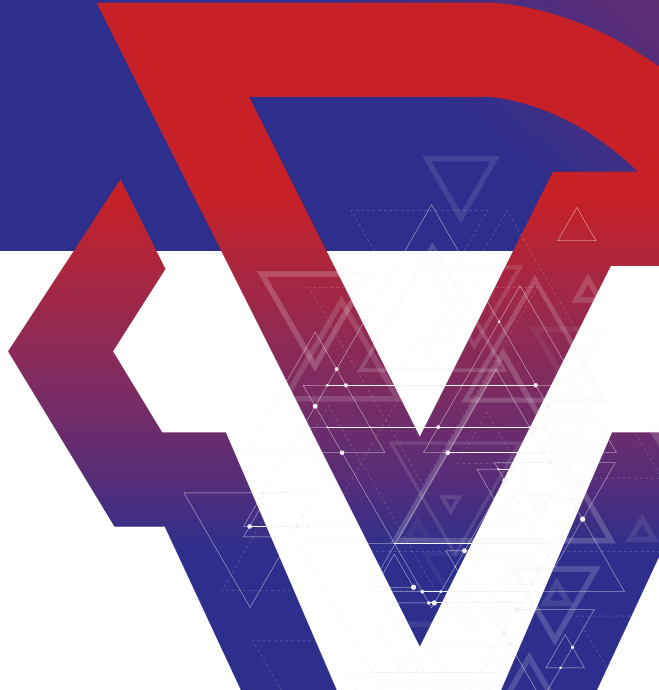


YERGÖRÜ 500 SURVEILLANCE EO STATION



ISTANBUL
DEFENCE
SYSTEMS



YERGÖRÜ 500 SURVEILLANCE EO STATION

YERGÖRÜ 500 SURVEILLANCE EO STATION is an the electro-optic station, multispectral system, which is designed to conduct reconnaissance of ground and 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 rotary support provides 360° azimuth rotation and a tilt angle from -10° to +80°.

The main features are:



Signal Processing and Recording Equipment



Range Finder



TV data channel



Ethernet Connection



Thermal Imaging Data Channel

CHARACTERISTICS

	Television	Thermal Vision
Receiver type	CMOS NIR-enhanced	Uncooled microbolometer 17µm
Spectral sensitivity, µm	0.4 – 1.1	8 – 14
Receiver resolution	1600x1200	640x480
Objective, narrow field of view, mm	F1.8/100	F1.0/150
Objective, wide field of view, mm	F1.4/35	F1.2/50
Narrow field of view, degrees		4x3
Wide field of view, degrees		12x9
Image transfer		Ethernet
Frame rate, Hz		30
Control		Ethernet
Battery/Power, V		19 – 32
Power consumption, W		120
Operating temperature range, °C		-40...+50

Range-finder

Emission wavelength, nm	1 064
Measuring range, m	20 000
Ranging accuracy, m	±2
Weight, kg	45
Dimensions, mm	800x550x330