



# «OSPREY»

MINIATURE THERMAL IMAGING CAMERA



 **CYCLONE**

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Osprey is a miniature thermal imaging camera, designed for day-night search and surveillance of objects under gentle and adverse weather conditions and under jamming conditions while controlling the selected area, searching and rescuing, detecting fire areas.

The advanced technology of uncooled microbolometers is used in thermal imager Osprey. The camera operates in LW and IR range. The main part of intrinsic electromagnetic radiation of the majority of natural and artificial objects, surrounding us, is concentrated in IR spectrum area. The application of high quality Germanium optics enables to effectively use the microbolometer capabilities.

*Osprey thermal imager is unique uncooled miniature thermal imaging camera, developed and manufactured fully in Russia.*

#### Applications:

- ✓ Borderline surveillance
- ✓ Control of important facilities
- ✓ Protection of public order
- ✓ Public security
- ✓ Non-destructive tests
- ✓ Search and rescue
- ✓ Fire-fighting service
- ✓ Natural resource monitoring
- ✓ Ecological monitoring
- ✓ Thermal audit

### FEATURES

Focal Plane Array	<b>Microbolometer</b>
Pixel Count (Resolution)	<b>160 × 120</b>
Pixel size, μm	<b>35</b>
Thermal Sensitivity, mK	<b>&lt; 100</b>
Start-up Time (cold start), @ 25°C, sec	<b>&lt; 30</b>
Human detection range, m	<b>850</b>
Human recognition range, m	<b>300</b>
FOV (H x V)	<b>9,1° × 6,8°</b>
Objective Focal Length, mm	<b>35</b>
Minimum Focus Distance, m	<b>&lt; 2</b>
Output signal	<b>GOST 7845-92</b>
Power Source, V	<b>7,2</b>
Operating Temperature	<b>-20°C to +50°C</b>
Storage Temperature	<b>-50°C to +70°C</b>
Dimensions, mm	<b>179 × 106 × 66</b>
Weight, kg	<b>0,7</b>