



# «HARPY»

**2-FOV LOW-LIGHT LEVEL TV CAMERA**



 **CYCLONE**

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2-FOV low-light level TV camera «Harpy» is meant for detection and recognition of objects as well as for surveillance and observation in wide illuminance range.

The original coaxial design of the lens, based on which the optical circuit is made, allows simultaneously detecting the objects in wide FOV and recognizing in narrow FOV without mechanical switching. The use of sensitive CCD with digital signal processing and very high quality lens with large relative aperture allows observing objects in real time under very low light conditions.

#### Applications:

- ✓ Stationary and mobile mounted surveillance system
- ✓ Borderline surveillance
- ✓ Control of important facilities
- ✓ Protection of public order
- ✓ Search and Rescue systems
- ✓ Public security
- ✓ Natural resource monitoring

#### FEATURES

Focal Plane Array	<b>CCD array</b>
Pixel Count (Resolution)	<b>752 × 582</b>
System resolution	<b>570</b>
Start-up time, @ ≤0°C, sec	<b>&lt; 5</b>
Human detection range, km	
- WFOV (f` = 30 mm)	<b>4,5</b>
- NFOV (f` = 30 mm)	<b>22,5</b>
Human recognition range, km	
- WFOV (f` = 30 mm)	<b>1,5</b>
- NFOV (f` = 30 mm)	<b>7,5</b>
FOV	
- WFOV	<b>12,3° × 9,2°</b>
- NFOV	<b>2,47° × 1,84°</b>
Objective Focal Length, mm	<b>150/ 30</b>
Minimum Focus Distance, m	<b>50</b>
Output signal	<b>GOST 7845-92</b>
Power Source	<b>12 VDC</b>
Operating Temperature	<b>-40°C Δo +50°C</b>

\* Recalculation of optical system is possible on request of the Customer.