



«FALCONET»

**MINIATURE THERMAL IMAGING CAMERA FOR
SYSTEMS OF IMPORTANT FACILITIES PROTECTION**



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Falconet is miniature thermal imaging camera, designed for day-night search and surveillance of objects under gentle and adverse weather conditions, under smoking and dusting. The camera operates ideally in full darkness without any illumination. It can be used in mobile and stationary video surveillance systems, which control the territory and protected sites. It is easily integrated in existing surveillance system.

Applications:

- ✓ Borderline surveillance
- ✓ Control of important facilities
- ✓ Protection of public order
- ✓ Public security
- ✓ Non-destructive tests
- ✓ Thermal audit
- ✓ Fire-fighting service
- ✓ Natural resource monitoring
- ✓ Ecological monitoring
- ✓ Perimeter security in inherent security systems

FEATURES

Focal Plane Array	Microbolometer aSi/ VO _x			
Pixel Count (Resolution)	160 × 120	384×288	640×480	1024×768
FPA Sensitive element size, μm	35	25	25/ 17	17
Thermal Sensitivity, mK	<100	<70	<20	<15
Objective Focal Length	50	35	35 (25 μm)/ 24 (17 μm)	24
FOV, angular degree	6,4×4,8	15,6×11,7	25,8×19,5/ 25,5×19,3	39,9×30,4
Human detection range, m	1200			
Human recognition range, m	400			
Start-up Time (cold start), @ 25°C, sec	< 15			
Minimum Focus Distance, m	< 2			
Output signal	GOST 7845-92			
Power Source, V	12			
Operating Temperature	-30°C to +50°C			
Storage Temperature	-50°C to +70°C			

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