«HARRIER»

HAND-HELD THERMAL IMAGING CAMERA

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The thermal imaging camera "Harrier" is meant for day-night search and observation of objects in gentle and adverse weather conditions and under jamming conditions while controlling the selected area, searching and rescuing, detecting hot spots. Electronic range finding reticle allows finding the range to the object and angular coordinates.

The advanced technology of uncooled microbolometers is used in thermal imager "Harrier". 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. The possible connection of external power source and monitor allows using "Harrier" in stationary or mobile variants.

The "Harrier" thermal imager is unique uncooled miniature thermal imaging camera, developed and manufactured fully in Russia.

FEATURES		
FPA	**aSi/VOx Microbolometer**	
Pixel Count (Resolution)	**384 × 288**	
Pixel Size, μm	**25**	
Thermal Sensitivity, mK	**< 70**	
Start-up Time, @ 25°C, sec	**< 30**	
Objective Focal Length, mm	**70**	**100**
FOV (H x V)	**10,97° × 8,24°**	**7,69° × 5,77°**
Human detection range, m	**1700**	**2400**
Human recognition range, m	**550**	**800**
Minimum Focus Distance, m	**< 50**	
Output Signal	**GOST 7845-92**	
Power Source, V	**7,2**	
Operating Temperature	**-20°C to +50°C (standard battery)** **-30°C to +50°C (external power source)**	
Storage Temperature	**-50°C to +70°C**	
Dimensions, mm	**200 × 145 × 90 (at f'=70 mm)** **240 × 160 × 120 (at f'=100 mm)** **255 × 165 × 137 (at f'=130 mm)** **anti-shock, waterproof**	
Weight, kg	**1,5 (at f'=70 mm)** **1,7 (at f'=100 mm)** **1,9 (at f'=130 mm)**	