



NATIONAL GEOGRAPHIC
Photograph by David Tidrick

«HARRIER M»

HAND-HELD THERMAL IMAGING CAMERA



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The thermal imager «Harrier M» 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 M". The camera operates in LW IR range. In order to ensure the covert surveillance, the special sensor, which activates the monitor only when the eye of the operator touches the eye-cup, is installed in the device. In order to register, the image is recorder on SD-card. The possible connection of external power source and monitor allows using "Harrier-5" in stationary or mobile variants

The thermal imaging camera "Harrier M" – the unique hand-held uncooled thermal imaging camera, developed and manufactured fully in Russia.

FEATURES

FPA	Microbolometer aSi/ VOx		
Pixel Count (Resolution)	640x480		
Pixel Size, μm	17		
Thermal Sensitivity, mK	< 50		
Start-up Time, @ 25°C, sec	< 10		
Objective Focal Length, mm	51	68	85
FOV (H x V)	12,2x9,1	9,1x6,9	7,3x5,5
E-zoom	x2, x4		
Human detection range, m	2500	3400	4200
Human recognition range, m	850	1100	1400
Output Signal	GOST 7845-92		
Power Source, V	12 (4 x CR123)		
Operating Temperature	-30°C to +50°C		
Storage Temperature	-50°C to +70°C		
Dimensions, mm	230 × 108 × 73 (at f' = 51 mm) 235 × 108 × 83 (at f' = 68 mm) 254 × 118 × 102 (at f' = 85 mm) Anti-shock, water-proof		
Weight, kg	0,9 (at f' = 51 mm) 1,0 (at f' = 68 mm) 1,2 (at f' = 85 mm)		