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The latest, third generation of FLIR Scout brand thermal imagers, is the evolution of the well-known and respected thermal imagers of the FLIR PS basic series. Compared to its predecessors, the third generation offers high resolution image and detector, and a significantly improved refreshment rate up to 60 Hz. The Flir Scout series are portable infrared cameras that have been designed for field observation, mainly from a free hand. This technology based on the capture of thermal differences does not require any light at all. Thanks to that it can be used both during the day and at night and in virtually all weather conditions, also in total darkness. Until now, thermal imaging cameras have been widely used, for example, in professional documenting of animals in its natural environment, unfortunately, due to the very high price, this equipment was not widely available. Scout series makes these products, once reserved for a few, now can be found in almost everybody's hands, from the owner of the property who wants to protect his property, through security agencies, on hunters and nature enthusiasts, ending with . The main advantages of the Flir Scout PS 320 III generation thermal imager

- 2x digital zoom
- simple operation - intuitive control with buttons on the housing, allows you to control the device with one hand
- high refresh rate: 60 Hz provides a naturally vivid picture without delay and smear, resulting in a high comfort of use for the Imager
- clean and clear image: it is displayed on the built-in LCD screen at a resolution of 640x480 pixels; special Scout software supervises the high quality of the rendered image, automatically calibrating the image to emphasize the differences in thermal emission
- compact size: Scout PS is lightweight and handy, easily fits in any backpack or larger trouser pocket, and thanks to hermetic housing is also waterproof

The following picture shows a silhouette of a beetle hidden in a field, a distance of 140 m Usage forestry hunting sailing nature fishing

Technical parameters

- Matrix resolution: 336 x 256 pixels
- LCD display resolution: 640 x 480 pixels
- Refresh rate 60 Hz
- Sensitivity: <math><50 \text{ mK}</math> (F / 1.0, 25 ° C)
- Wavelength range: 7.5 - 13.5 μm
- Lens: f = 19 mm (fixed focal length)
- Field of view: 24 ° (horizontal) x 18 ° (vertical)
- Digital zoom: yes, 2x
- SD card slot: lack
- Speed of launch: <math><1.5 \text{ seconds}</math>
- Working temperature range: from -20 ° C to +50 ° C
- Human

detection range (1.8 mx 0.5 m): 415 meters â€¢ Leakproofness: IP-67 (dustproof protection, protection against the effects of short immersion in water - up to 30 minutes to a depth of 0.15 m above the top of the housing) â€¢ Stamina: fall from the height of 1 meter â€¢ Battery: built-in, lithium-ion â€¢ Work time: up to 5 hours â€¢ Dimensions: 172 x 59 x 62 mm â€¢ Weight: 340 g (including battery) Warranty 2 years