

IR516C uncooled portable infrared reconnaissance device



Product description

IR516C uncooled portable infrared reconnaissance device is capable of finding out the dangers that are difficult to be observed by human eyes without illumination based on any light source (especially in windy, foggy, rainy and snowy weather). It makes the battlefield "one-way transparent" to our own side, and can meet the requirements such as night observation and identification of various thermal targets. At the same time, it can take photos or record videos of targets, and also play them back locally, so as to improve day and night reconnaissance capabilities, thereby striving for combat initiative and providing direct support for combatants to control the battlefield.

Product characteristics

- It uses infrared thermal imaging technology to detect, observe and identify the targets; It has the functions of photographing, video recording and playing back; It also has the function of exporting the stored videos and pictures through USB interface; It has the functions of infrared electric focusing, infrared image pseudo-color band switching, 2x magnification, 4x magnification and cursor display control; Infrared contrast adjustment, infrared brightness adjustment, automatic compensation time adjustment, and hot spot tracking display control. "It uses infrared thermal imaging technology to detect, observe and identify the targets;
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Technical parameters

Infrared thermal imager

Detector type	Uncooled vanadium oxide infrared focal plane detector
Detection unit	640×512
Pixel size	12μm
Operating waveband	8~14μm

Infrared optics

Focal length	61mm
Field of view	7.32°×5.86°
F#	0.8
MRTD	≤400mk@ 25°C

Storage

Storage capacity	32G
Picture format	JPG
Video format	AVI

Display

Color OLED	1024X768 high resolution OLED
Eyepiece	Binocular

Power supply

External power input	DC12V±0.5V
Built-in battery	Two 18650 batteries
Continuous working time	> 4h (room temperature)

Physical properties

Weight	≤1.5kg
Size	≤215×170×100mm
Mechanical interface	1/4 in standard interface

Physical properties

Standard configuration	Battery
	Charger
	Carrying bag
	Safety box
	External Cable
	External display terminal
	Power adapter
	Tripod
	Carrying bag

Operating range

■ Identification distance
  Upright individual
  Medium tank

