

TCN-11 Thermal Imaging Clip-on

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A compact pre-lens thermal imaging clip-on TCN-11 is intended for use with daylight optical sights. The frequency of a daylight sight is from 3x to 8x.

It is difficult to overestimate the ease of use of this device paired with daytime optics: now a day sight is always on a rifle, and high image quality allows to solve tasks even in extreme weather conditions not breaking the adjustment of an optical sight.

Fixed focus of the objective relieves from the necessity of image focusing.

A clip-on can be controlled by remote control which also serves as an external power supply. The device is equipped with a quick detached mount on a Picatinny rail. Power is supplied via 4 AA type batteries (lithium batteries or rechargeable batteries).

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MAN SIZED TARGET
(50 mm objective)
Detection – 1500 m
Recognition – 380 m
Identification – 190 m

FEATURES

- ✓ Electronic level and angle of sight sensor.
- ✓ Built-in photo- and video module.
- ✓ USB interface for programming and device control.
- ✓ 1x optical zoom.
- ✓ 2x, 3x, 4x digital zoom.
- ✓ Different color schemes for the image refinement.
- ✓ Operative adjustment of sensitive sensor parameters with the help of preset modes.
- ✓ Ambient light sensor for automatic adjustment of display brightness.
- ✓ Manual and automatic calibration of the detector



DELIVERY SET

- ✓ Thermal imaging sight TCN-11.
- ✓ AA type rechargeable batteries – 4 pcs.
- ✓ Redundant power supply RBP-8.
- ✓ Charger 220V.
- ✓ Vehicle charger 12V.
- ✓ USB cable.
- ✓ Cable adapter.
- ✓ User's manual.
- ✓ Case.
- ✓ Bag.



TECHNICAL CHARACTERISTICS

DETECTOR				
Technology	Uncooled VOx Microbolometer			
Resolution	336 x 256		640 x 512	
Pixel size	17 μ			
Operating wavelength	7.5-13.5 μ m			
Sensitivity	<30 mK			
OPTICS				
Objective	40 mm		50 mm	
Objective F number	F/1.0			
Field of view	7.8° x 6.2°	6.5° x 5.0°	15.5° x 12.4°	12.5° x 10.0°
Focusing range	25 m ÷ ∞			
Eye relief	50 mm			
Diopter correction	-6 ÷ +2			
ELECTRONICS				
Frame rate	9/25 Hz (PAL) 8/30 Hz (NTSC)			
Video output	PAL or NTSC, programmed			
Display	AMOLED, 800 x 600			
Interface	USB			
OPERATING PARAMETERS				
Starting time	3 sec			
Temperature range	-30°C ÷ +55°C			
Operating time, no less than	5 h			
Operating time from redundant power supply, no less than	8 h			
Dimensions (L x W x H)	155 x 95 x 88 mm		210 x 100 x 85 mm	
Weight	0.75 kg		1.08 kg	
Protection class	IP67			

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