

TCN-11

ARCHER-LPP TCN-11, objective 75 mm, mounted on a rifle



THERMAL IMAGING CLIP-ON TCN-11

The compact pre-lens thermal imaging clip-on ARCHER-LPP 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 this device's usage paired with daytime optics: while a day sight is always on a rifle, the high-quality thermal imaging clip-on allows solving tasks even in extreme weather conditions while not disrupting the adjustment of the day sight.

The fixed focus of the objective relieves the necessity of image focusing.

The ARCHER-LPP TCN-11 clip-on can be operated remotely. The device is equipped with a quick detached mount on a Picatinny rail. Power is supplied via 4 AA-type batteries (lithium or rechargeable batteries).

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 colour schemes for 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 ARCHER-LPP 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, and Bag.



THERMAL IMAGING DEVICES

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TECHNICAL CHARACTERISTICS

DETECTOR	
TECHNOLOGY	Uncooled VOx Microbolometer
RESOLUTION	640 x 512
PIXEL SIZE	17µ
OPERATING WAVELENGTH	7.5-13.5 µm

OPTICS	
OBJECTIVE	75 mm
OBJECTIVE F NUMBER	F/1.0
FIELD OF VIEW	8.3° x 6.4°
FOCUSING RANGE	25 m ÷ ∞
EYE RELIEF	50 mm
DIOPTRER 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)	280 x 99 x 92 mm
WEIGHT	1.35 kg
PROTECTION CLASS	IP67

MAN SIZED TARGET

(75 mm objective)

Detection	- 3650 m	
Recognition	- 910 m	
Identification	- 450 m	

Under ideal conditions; 12 µm; Johnson's Criteria @ 50% probability



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