

TMA-30M TMA-55M

ARCHER-LPP TMA-30M, objective 30 mm, handheld



THERMAL IMAGING MONOCULARS TMA-30M, TMA-55M

Digital tactical thermal imaging device ARCHER-LPP TMA-30M/55M – new monoculars of TMA series. The device is equipped with a high-aperture lens with a manual focus and proximity sensors that much reduce the risk of disclosure.

The device is equipped with a highly sensitive passive receiver of a far infrared band (LWIR). ARCHER TMA-30M/55M has a built-in colour high-resolution microdisplay and an eyepiece with diopter adjustment.

Several set colour schemes allow choosing the necessary display option depending on the tasks performed.

An ARCHER-LPP TMA-30M/55M optical circuitry provides 2x optical magnification (using a detector with 640 x 512 resolution).

The device's display indicates operation modes, device status, and battery discharge. There are also modes of automatic and manual brightness and contrast control.

ARCHER-LPP TMA-30M/55M design comes in a shockproof, waterproof plastic housing with conveniently arranged controls. Power is supplied via 4 AA-type batteries (lithium or rechargeable batteries).

Due to the high-tech electronics unit, excellent functional capacities of the device are realized by minimal dimensions and power consumption.

FEATURES

- › USB interface for programming and device control.
- › 2x, 3x, 4x, 6x digital zoom.
- › Sensitivity settings of the detector.
- › Different colour schemes for image refinement.
- › Manual and automatic calibration of the detector.
- › Analog video output with the possibility of switching off.

DELIVERY SET

- › Thermal imaging monocular ARCHER TMA-30M/55M.
- › Video/charge adapter.
- › AA-type rechargeable batteries – 4 pcs.
- › Hand strap, User's manual, Case, and Bag.



THERMAL IMAGING DEVICES

TMA-30M TMA-55M

ARCHER-LPP TMA-55M, objective 55 mm, handheld



TECHNICAL CHARACTERISTICS

DETECTOR	
TECHNOLOGY	Uncooled VOx Microbolometer
RESOLUTION	640 x 512
PIXEL SIZE	12 μm
OPERATING WAVELENGTH	7.5-13.5 μm

OPTICS	
OBJECTIVE	30 mm (TMA-30) 55 mm (TMA-55)
OBJECTIVE F NUMBER	F/1.0
FIELD OF VIEW	18° x 14° (TMA-30) 11.4° x 8.8° (TMA-55)
FOCUSING RANGE	2 m ± ∞ (TMA-30) 5 m ± ∞ (TMA-55)
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	6 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)	145 x 74 x 51 mm (TMA-30) 192 x 99 x 71 mm (TMA-55)
WEIGHT	0.42 kg (TMA-30) 0.72 kg (TMA-55)
PROTECTION CLASS	IP67

MAN SIZED TARGET

(55 mm objective)

Detection	- 2430 m	
Recognition	- 600 m	
Identification	- 300 m	

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



TAG Global Systems 575
Washington Street
Pembroke, MA 02359

1-800-630-4708
sales@tagglobalsystems.com
www.tagglobalsystems.com