

TC-100 Modular Thermal Imaging Sighting System

TC-100 Modular Thermal Imaging Sighting System



TC-100 is a modular-type thermal imaging sighting system, intended for use on a large caliber automatic weapon, anti-aircraft installations or an antitank guided weapon.

The complex consists of an optical unit TC-100, a control panel RMC-02 and a helmet-mounted display RDC-02.

A key peculiarity of TC-100 is a modular construction with a optical remote-controlled unit that has none built-in display devices and minimum set of controls.

MAN SIZED TARGET

(100 mm objective)

Detection – 2450 m

Розпізнавання – 650 m

Identification – 330 m

VEHICLE SIZED TARGET

(100 mm objective)

Detection – 6000 m

Recognition – 1750 m

Identification – 900 m





TECHNICAL CHARACTERISTICS

CAMERA TYPE	UNCOOLED
Detector	640 x 512; 336 x 256
Sensitivity	< 30 mK
Focal length	100 mm
Objective F number	F/1.0
Angular field of view (H x V)	6.2° x 5.0°
Recognition / Identification (human)	2900 / 700 m
Recognition / Identification (vehicle)	7000 / 1750 m
Optical zoom (fixed)	4x
Digital zoom	2x, 4x
Focusing range	10 m ÷ ∞
Click per 100 m, (vertical adjustment)	17 mm
Click per 100 m, (horizontal adjustment)	15.1 mm
Operating temperature range	-30°C ÷ 55°C
Setup time	3 sec
Memory card	8 Gb
Recording time	5 h
2-axis angle meter	±45° / ±15°
Dimensions (L x W x H)	270 x 177 x 125 mm
Weight	3.4 kg
Protection class	IP65

TC-100 - Modular Thermal Imaging Sighting System