

# TRM®

## tactical throwable robot

Tactical Throwable Robot TRM® is a small robotic device designed to deliver support for operations in difficult to access and dangerous places. TRM® has been designed in response to the threats faced by forces responsible for public safety during area and objects reconnaissance.

TRM® can be thrown into a building or to an open area and steered by remote control in order to perform an inspection from a safe distance.

TRM®'s construction is designed to withstand the impact produced by a fall from up to 9 meters.

The current second generation of the robot has silent drives and a new handheld control panel which makes the TRM® even better than before.

TRM® has also possibility of carrying and initiating flash bang grenades.

### Applications of TRM®

- ✓ open area and objects inspection and reconnaissance,
- ✓ possibility to transmit sounds produced in the robot's immediate area,
- ✓ possibility to work in different light conditions,
- ✓ possibility to cast light on targets and dangerous objects,
- ✓ additional devices and accessories can be adapted to the robot (e.g. flash bangs, smog, teasing grenades),
- ✓ up to 3 devices can be steered from one control panel.



### Mobile base:

- ✓ Color camera with high sensitivity of 0.01 lux, view angle of 90° (with IR illuminators possibility of view of in infrared)
- ✓ omnidirectional microphone
- ✓ Connector for charger or additional accessories

### Key features:

- ✓ Much quieter drive system as compared to the first generation
- ✓ 360 degree camera position adjustment without use of any tools
- ✓ Ability to employ various kinds of LED illuminators
- ✓ Ability to trigger Bang-flash grenades

### Control Panel:

- ✓ Display 4.3" TFT
- ✓ Speaker
- ✓ Connector for charger
- ✓ AV connector for plugging a recording device or another monitor
- ✓ Built-in digital recorder:
- ✓ Slot for SD card
- ✓ Micro USB connector to rip recordings

### Key features:

- ✓ Lightweight and compact design
- ✓ Integrated digital recorder
- ✓ Ability to control multiple robots

### Universal Charger:

Power supply	100-240 V
Weight	160 g

### Technical data:

Mobile base weight (basic version)	1.5 kg
Control panel weight	1.2 kg
Maximum speed	3.5 km/h
Maximum climbing angle	25°
Drop height	< 9 m
Range within buildings	30 – 100 m
Range in open areas	100 – 350 m
Basic equipment	Camera, microphone, LED illuminators and/or LED IR illuminators
Mobile base operation time on battery	≈ 1 h
Control panel working time on battery	≈ 3 h
Charging time mobile base/control panel	≈ 4 h
Number of devices operated from one control panel	≤ 3
Screen	color, 4.3" TFT
Mobile base dimensions (length x width x height):	215 x 212 x 170 mm
Control panel dimensions (length x width x height):	165 x 265 x 185 mm