

MTTS256

Mini Touch Thermal Imager

256 x 192 three-in-one mini thermal imager - 1.4 inch touchscreen, 120 g, under 700 m detection

The MTTS256 (Mini Touch) is a pocket-sized three-in-one thermal imager: Mini Search for handheld observation, Mini Sight for mounting on the most popular handguns, and Mini Helmet for helmet-mounted use. A 256 x 192 detector with 12 um pixel pitch feeds a 1.4-inch 466 x 466 OLED touchscreen.

Operation is by touchscreen or the three physical buttons, and an AI image-processing chip with detail enhancement sharpens the thermal picture. The whole unit weighs no more than 120 g, is rated to 1000 g shock, and runs for at least four hours on a rechargeable 16340 cell. On-board video recording and photo capture are built in.

KEY FEATURES

- Three-in-one: Mini Search / Mini Sight / Mini Helmet
- 256 x 192 detector, 12 um, 25 Hz, 8 - 14 um
- 1.4 inch 466 x 466 OLED touchscreen plus physical buttons
- AI chip with image detail enhancement, on-board video recording
- Under 120 g, 1000 g shock rated, detection to 700 m

TECHNICAL SPECIFICATIONS

Model	MTTS256
Roles	Mini Search / Mini Sight / Mini Helmet (3-in-1)
Detector type	Uncooled focal plane array
Resolution	256 x 192
Pixel size	12 um
Frame rate	25 Hz
Wavelength range	8 um to 14 um
Lens focal length	13 mm, F0.9
Field of view	13.5 deg x 10.1 deg
Detection range	<= 700 m
Display	1.4 inch, 466 x 466, OLED touchscreen
Brightness adjustment	Yes
Colour ribbon	Black Hot / White Hot / Red Hot / Fusion
Video recording	On-board
Photo capture	Yes
Cursor indicator	Yes
Internal storage	Built-in EMMC
Battery type	16340 (rechargeable)
Operating time	>= 4 hours (25 C)
Weight	<= 120 g
Dimensions	52 x 48 x 51 mm
Operating temperature	-20 C to +50 C
Shock and vibration	1000 g / 0.4 ms
Mounting	ACRO mount standard; optional rail mounts IPSR-3 / 4 / 5 / 6
In the box	Device, ACRO mount, M3x6 countersunk screws x3, Allen wrench, Type-C cable, lens cloth, user manual, warranty card, desiccant, certificate of conformity

TYPICAL APPLICATIONS

Handgun-mounted night aiming, helmet-mounted observation, handheld search and rescue, pest control and hunting, law enforcement close observation.