

MTIS625

Multifunctional Thermal Imager - 4-in-1

640 x 512 four-in-one thermal imager - handheld, riflescope, helmet and clip-on

The MTIS625 is the higher-resolution version of the MTIS four-in-one platform, built around a 640 x 512 VOx detector. Like the MTIS319 it changes role without extra accessories: handheld observation, rifle-mounted sight, helmet-mounted goggle, or clip-on thermal in front of a daylight scope.

The 25 mm objective gives a 16.5 deg x 11.5 deg field of view - a wider picture than the 19 mm version at higher resolution. Wi-Fi streaming, photo and video recording, digital compass and laser pointer are included, and the unit runs for more than six hours on one 18650 cell.

KEY FEATURES

- One device, four roles: handheld / riflescope / helmet / clip-on
- 640 x 512 VOx detector, 12 um, 50 Hz, NETD <= 20 mK
- 25 mm objective - 16.5 deg x 11.5 deg field of view
- AMOLED display, 1x - 8x digital zoom, 7 reticles, 7 palettes
- IP67 sealed, 1000 G shock rated, under 335 g without battery

TECHNICAL SPECIFICATIONS

Model	MTIS625
Roles	Handheld / riflescope / helmet goggle / clip-on (4-in-1)
Sensor type	VOx uncooled
Sensor resolution	640 x 512
Pixel pitch	12 um
NETD	<= 20 mK
Frame frequency	50 Hz
Objective lens	25 mm
Angle of view	16.5 deg x 11.5 deg
Digital zoom	1x - 8x
Eye relief	20 mm
Diopter of eyepiece	+/- 4
Display type	AMOLED
Colour palette	White Hot / Black Hot / Ironbow / Glowbow / Sepia / Red Hot / Green Hot
Reticle type	7 types
Reticle colour	White / Black / Green / Reverse
Wi-Fi	Supported
Photo / video	Supported
Digital compass	Supported
Laser pointer	Supported
Battery	1 x 18650 (3.7 V)
Working time (Wi-Fi off)	> 6 hours
Weight (without battery)	< 335 g
Dimension (without eyeshade and Picatinny)	112 x 68 x 50 mm
Protection	IP67
Working temperature	-20 C to +50 C
Shock resistance	1000 G with anti-shock mounting

TECHNICAL SPECIFICATIONS

TYPICAL APPLICATIONS

Night patrol and surveillance, hunting, drone and vehicle observation, helmet-mounted night vision, clip-on thermal enhancement of existing daylight optics, OEM/ODM programmes.