



Watasensor

# Thermal Mobile Imager WTMImagerM™

## Overview

The Watasensor mobile thermal imager is a versatile, multi-functional device for military reconnaissance. It provides a crystal-clear sight during both day and night, and even allows observation when the device is turned off leveraging on the threefold magnification direct view glass optics.

A high resolution LWIR (long wave infrared) camera, also known as Forward Looking Infrared (FLIR), is built-in, providing a perfect view under virtually any observation conditions including hazy condition, total darkness, or smoke. This allows you to observe your surroundings in detail and identify any possible threat, danger or camouflaged targets in any condition.



## Key Features

### Field of view (FOV)

- 28.75 x 15.0 ~ 2.350 x 1.20

### Electronic zoom

- X2
- X4

### Focus range

- 20m ~ infinity

### Spectral range

- 3 ~ 5um

### Cooling down time

- $\leq 4$ min. at 25°C

### Detector material

- MCT or InSb

### Spatial resolution

- 320 x 240
- 640 x 512

### Thermal sensitivity

- NETD  $\leq 0.03$ °C

### Range performance

- Detection(human)  $\geq 9.0$ km
- Recognition(human)  $\geq 3.0$ km
- Detection(vehicle)  $\geq 16$ km
- Recognition(vehicle)  $\geq 6$ km

### Video output

- NTSC or Pal

### Rechargeable Lithium battery

- Operation time >3hrs

### Weight

- $\leq 3$ kg

### Operating temperature

- -30°C~50°C



Watasensor

830 Saratoga Avenue, C-180  
San Jose, CA 95129, USA

Tel: 669-225-8535 Email: sales@watasensor.com  
Fax: 408-557-8279 www.watasensor.com

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