

# IR5211

Multifunction hand-held thermal imager with continuous optical zoom



Third Generation MID wave infrared thermal imager with continuous optical zoom and target locator.

IR5211 is a multifunction hand-held thermal imager with continuous optical zoom. The new fully integrated thermal imager dedicated to long range target location, surveillance and reconnaissance. This camera is able to locate a target in daylight and at night. It has a high performance laser range finder that ensures accurate location of targets, even in poor weather conditions.




## Features and Benefits

- Day & night, passive operation
- Optical zoom 2.3°/ 7° ( 1.8°/ 7° for VL ) autofocus
- Electronic zoom 1.0~4.0
- Full Integrated ( VL, LRF, GPS, DMC )
- Highlight object automatically
- Ten standard or ballistic modes
- Image storage & Video capture


## Application

- Border & Coastal reconnaissance
- Soldier (platoon leaders, company commander)
- Special operations
- Law Enforcement, Police
- Search & Rescue
- Anti-terrorism
- Critical infrastructures


# Main Function




Continuous zoom




Highlight object automatically




Accurate object location




Target guidance



Determination of relative position



Approximately ranging



Cascade Intelligence Terminal

# Technical Characteristics

**Spectral band:** MWIR (3 - 5  $\mu$ m)  
**Infrared field of view (FoV):**  
 • WFoV: 7° x 5.2°  
 • NFoV: 2.3° x 1.7°  
 • Continuous zoom: x3  
 • Electronic zoom: 1.0~4.0  
**Image resolution:**640\*512  
**Thermal sensitivity (NETD):** Typical 25 mK  
**Visible Light:** penetrating fog  
**field of view (FoV):**  
 • WFoV: 7° x 5.2°  
 • NFoV: 1.8° x 1.3°  
 • Continuous zoom: x4  
**Eye safe laser range-finder:**  
 • Range above 10 km  
**Magnetic compass:**  
 • Azimuth: 0.5°  
 • declination range: -15° ~+15°  
**GPS receiver:**  
 Integrated(GPS)+external connection  
**Eyepiece vision:** diopter(-4~+4)  
**General Characteristics**  
**Weight:** 3.5 kg (Including battery, eyepiece, lens cap , wrist strap)

**Images and Video capture:** 10000 photos, 4 h  
**Video outputs:** Analogic, HDMI  
**Power supply:** 12-32 VDC  
**Battery life**  
 • Typical 5 hours with a single battery

**Cooling**  
 • Integrated cooler, rotative stirling  
**Cooling down time**  
 • Typical  $\leq$ 8min (Normal temperature)  
**Temperature range**  
 • Operating: -40°C to +50°C

**ACCESSORIES**  
 • Tactical bag, Safety box  
 • Rechargeable batteries  
 • Battery chargers  
 • Data and video cables

**OPTIONS**  
 • AC or DC converters  
 • Backup battery  
 • logistic container Tripod (Pan-and-Tilt)

