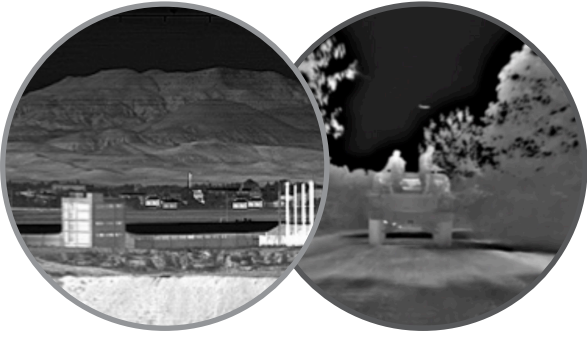


# ATS-30

THERMAL CAMERA UNIT

LWIR UNCOOLED THERMAL CAMERA  
DUAL-FOV  
640X480 DETECTOR OPTION  
LIGHT AND COMPACT STRUCTURE  
RUGGED





# ATS-30

## THERMAL CAMERA UNIT

### Application

- Mobile applications
- Armored vehicles
- Remote Weapon Systems
- Border Surveillance
- Law Enforcements

### General Specifications

- X2 Electronic Zoom
- Freezing Capability
- Polarity Change
- Automatic Contrast and Brightness Adjustment
- Manuel Contrast and Brightness Adjustment
- Motorized Focus Adjustment
- Automatic Image Processing Algorithms
- Reticle Adjustment
- External Software Update

### Technical Specifications

- Operating Band: 8-12  $\mu\text{m}$
- Detector: Uncooled Type
- Detector Format: 384x288 or 640x480
- Field of View (HxV):
  - 384x288 version
    - Narrow:  $4^{\circ}\times 3.2^{\circ}$
    - Wide:  $12^{\circ}\times 8^{\circ}$
  - 640x480 version
    - Narrow:  $4.6^{\circ}\times 3.5^{\circ}$
    - Wide:  $13.75^{\circ}\times 10.3^{\circ}$
- Video Output: CCIR
- Electrical Interface: RS422
- Input Voltage:  $12\text{V}\pm 0.5\text{V}$
- Weight:  $< 3.5\text{kg}$
- Focus Distance:
  - Narrow:  $50\text{m} - \infty$
  - Wide:  $5\text{m} - \infty$

### Environmental Conditions

- Operating Temperature :  $-40^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$
- Storage Temperature :  $-40^{\circ}\text{C}$  to  $+65^{\circ}\text{C}$
- Standard : MIL-STD-810 G