



Trinity uncooled thermal binocular series is the hand held system consisted with advanced sensor, processing circuits and optical component. It can be used for day and night target full-time searching, observation and detection. Even the fog and haze days will not affect the search. Since it is equipped with advanced 640 × 512 uncooled long wave detector, it can provide high-quality and high-resolution thermal images.

### Triple Play Features:

- Day/Night Passive Operation
- Compact Uncooled for Field use
- 640 × 512 uncooled long wave detector

### Applications:

- Border/Perimeter Patrol
- Ground Troops
- Law Enforcement
- Day/Night Scouting
- Special Forces



### Optional:

- high-performance and low-light CCD visible light detector,
- long-distance laser range finder,
- GPS,
- Digital electronic compass.

### Cantronic Systems (Canada) Inc.

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## MAIN SPECIFICATIONS:

Thermal Detector	
Detector Type	Uncooled Micro Bolometer
Pixels	640x512
Wave Length	8~14μm
Pitch Size	25μm or 17μm
Frame Rate	30Hz (NTSC) / 25Hz (PAL)
Focus Length	100mm (motorized)
NETD	≤50mk@25°C
FOV	9°x7°(25 um) or 6.2°x5°(17um)
Focusing Range	5m ~∞
Day (CCD) Sensor	
Sensor	1/4" Low Lux CCD
CCD resolution	752 X 582
FOV	6.2°x 5°
Laser Range Finder	
Type	1550nm, eye-safe
Range	50m~5Km (Vehicle)
Range Accuracy	+/- 1m (for target at less 1Km) +/- 4m (for target at less 4Km)
Magnetic Compass	
Accuracy	1.0°RMS (when angle of dip is 0°)
GPS	
Accuracy	<5m
Display	
Display Type	OLED
Resolution	800 X 600
Interface	
Video Output	PAL/NTSC
Power input	Li-Ion Battery, Continue work time>4hrs Or external 110/220VAC
Memory	8G, can be extended to 32G
Physical Spac	
Dimension	230mmx230mmx103mm
Weight	≤2.8Kg (With Battery)
Operating Temperature	-35°C ~ +50°C
Storage Temperature	-45°C ~ +60°C
Protection	IP67, MIL-STD-810



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