

# IPI529



## Handheld Thermal Binocular Viewer

IR529 is handheld thermal binocular viewer integrated with GPS and Electronic compass.



### APPLICATIONS

- Infantry use
- Movable border patrol
- Reconnaissance
- Perimeter security
- Suppress smuggling

### Features

- 384×288 pixels high-resolution uncooled FPA technology
- GPS locates the object accurately
- Digital compass captures three -dimension stance information of the infrared imager
- Laser range finder(optional)
- Dual-view finder display
- Rugged, reliable, shock protected precision optics, versatile & portable, easy operation
- Crisp & sharp long range imaging
- Plug-and-play compatibility
- Military standard quality

### Benefits

Combining infrared camera, GPS, digital compass, the IR529, multifunctional handheld binocular viewer enables target observation in the sky, land or sea at night. IR529 is a long range handheld infrared imager which suits battlefield applications. Packing latest 384X288 resolution sensor technology, the IR529 delivers crisp & robust imagery in pitch darkness, harsh environments and adverse weather conditions.

Call **IPI** - the infrared experts  
**1300 781 701**  
[www.ipi-infrared.com.au](http://www.ipi-infrared.com.au)



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## Detector

Detector	Uncooled FPA microbolometer
Spectral Range	8~14 μ m
Pixels	384×288
Pitch	25 μ m×25 μ m



## Performance

Lens	140mm/F 1.1 motorized lens
FOV	3.93° ×2.95°

## Image Presentation:

Video output	50Hz PAL
Zoom	×2
Adjust:	Auto/Manual brightness and contrast adjustment
Display polarity	Black/White hot
Display:	OLED view finder

## GPS

GPS position precision	<2.5m
Real-time turn over rate	20Hz
Max.high	18,288m

## Electronic Compass

Heading precision	±0.5° RMS
Inclination precision	±0.3°
Inclination range	±50°

## Power System

External DC adapter	DC9V
Rechargeable Li-ion Camcorder battery :	DC7.2V
Power dissipation:	<8W
Continuous working time	>2hrs

## Interfaces

Command and Control	RS-232
Image display	Real time on PC or dedicated monitor

## Environmental Specification

Operating Temperature	MIL-STD-810F
Storage Temperature	MIL-STD-810F
Shock	MIL-STD-810F
Vibration	MIL-STD-810F

## Physical Features

Color	Black	
Weight	≈2.05 kg	
Size	295mm×139mm×145mm	
Detection range	>2.5km	>5.5km
Recognition range	>1.8km	>2.3km
	▲ (1.7m)	■ (2.3m×2.3m)