

## Thermal Long Range Monocular AC-7428



Thermal monocular AC-7428 is a compact long range multipurpose device. It enables users to see heat signatures of objects, people, and other sources. It detects extremely small differences in temperature, so that the user is able to distinguish people or animals from their immediate surroundings. The device does not need light at all to generate high-quality images on the darkest nights, even through smoke and fog. Compare that to conventional night vision equipment, which requires light or special illuminators and is incapacitated by smoke, fog, and other particles. The AC-7428 thermal imager is a powerful tool for tactical, surveillance and scene assessment applications. Its small size and light weight make the device simple and yet, very effective in operation. The AC-7428 was designed primarily for military and law enforcement applications. The AC-7428 can be used as a long range weapon sight with an optional mount.

### **FEATURES:**

Digital 2x or 4x zoom; total magnification up to 10x; tripod mountable; "black hot"/ "white hot" polarity switch; choice of colour or b&w displays; manual brightness control; universal service connector for video-out, external power-in, service USB-out; fully waterproof; video-out - standard RCA, cable included

### **OPTIONAL ACCESSORIES:**

Shuttered, self closing eye guards; external Li-Ion battery pack with charger; video-out-to USB adapter & software; tripod; hard case

## SPECIFICATIONS

F.P.A. Material	Microbolometer, uncooled
Spectral Response	7-14 $\mu\text{m}$
F.P.A. Format	320 x 240
Optical magnification	2.5x
Video Signal Resolution	640 x 480 NTSC
Displays Type & Resolution	640 x 480 VGA
Lens Size	50 mm
Diopter Adjustments	+2/-6
Power	Built-in Li-Ion
Battery Life	6 hours
Detection range (human)	Up to 1000 m
Detection range (car)	Up to 2000 m
Dimensions	210 x 110 x 70 mm
Weight	800 g