



RECON XT

The Recon XT thermal imager is suited to a range of applications including:

- Law Enforcement
- Security and Surveillance
- Wildland and Structure Fire



Features:

- Cost-effective
- Easy to operate
- Compact
- Rugged
- Worldwide service *
- Day or night full image resolution
- Eliminates need for enhanced light
- Full motion real time video
- Adjustable focus
- Standby mode

New Features:

- 2X-5X Customizable Zoom
- Left or right hand operation
- Optional spot temperature display
- Selectable polarity, white or black hot
- External power and video jacks
- On screen battery level indicator
- Neck strap and 1/4-20 tripod mount
- Now with a 2 year warranty





Recon XT Specifications

Thermal Imaging Performance

Start-up Time	< 3 seconds
Contrast/Brightness	Automatic/Advanced Image Processing
Range to detect a person	Up to 1500 ft (475 meters) with 25mm Up to 1000 ft (305 meters) with 16mm Up to 3000 ft with Lens Extender
Infrared Polarity	Selectable White or Black Hot

Focal Plane Array

Detector	Amorphous Silicon Microbolometer
Display	640 x 480 interpolated from 160 x 120
Spectral Response	7-14 microns
Thermal Sensitivity	< 50 mK
Refresh Rate	Real-time 30Hz or 9 Hz

Optics

Focal Length	8.5 mm	16 mm	25mm
FOV (H x V)	32° x 24°	17° x 12°	11° x 8°
Focus	Manual	Manual	Manual

Video

Output Format	NTSC; Real-Time 30hz Frame Rate PAL; Real-Time 25hz Frame Rate
Output Resolution	NTSC 640x480 pixels for higher clarity PAL 768 x 574 pixels for higher clarity
Viewfinder Display	Monochrome
Viewfinder Dimming	Continuous variable brightness

Power

Power Source	4 AA batteries
Operating Time	> 6 hours full operation

Environmental Characteristics

Operating Temperature	-4° F to 185°F (-20° C to 85° C)
Storage Temperature	-40° F to 221°F (-40° C to 105° C)
Waterproof	Yes

Physical Characteristics

Size	6.5"L x 2.25-3"W (16.5cm L x 5.7-7.6cm W)
Weight	24oz. with 4 AA cells (680.4 g with 4AA cells)



with 25mm lens



Optional 2X lens extender to increase detection distance

