



# INFRARED, INC.

## RECON XL

Recon XL thermal imager applications:



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

### Features:

- Easy to operate
- Rugged and Compact
- Day or night full image resolution
- Selectable polarity, white or black hot
- Selectable Zoom
- Left or right hand operation
- 640 x 480 Image Display
- Optional spot temperature display
- Detection to two miles and beyond\*
- On screen battery level indicator
- Full motion real time video
- Adjustable focus and Standby mode
- External power and video jacks
- Neck strap and 1/4-20 tripod mount
- Reversible Soft Cover (Black/Camo)
- Two year warranty

\* with optional lens enhancement



GSA Contract Holder GS-03F-0035L

Subject to export restrictions and licensing

[www.infrared.com](http://www.infrared.com)



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## Recon XL Specifications

### Thermal Imaging Performance

Start-up Time	~4 seconds
Contrast/Brightness	Advanced Image Processing
Polarity	Selectable White or Black Hot
Zoom	2X, 4X, 6X, 8X, 10X Selectable

### Focal Plane Array

Detector	Amorphous Silicon Microbolometer 320 x 240 pixel array
Output Resolution	640 x 480 pixels NTSC, 768 x 574 pixels PAL
Spectral Response	7-14 microns (filter bandwidth)
Thermal Sensitivity	< 50 mK
Refresh Rate	Real-time 30Hz

### Optics

FOV (H x V)	3° x 2.25°	6° x 4.5°	12° x 9°	25° x 19°	50° x 37.5°
Range to detect a person (Up to)	9843' (3000m)	6130' (1860m)	3330' (1015m)	465' (445m)	775' (235m)
Focus Method	Manual - Temperature stabilized				
Iris	Automatic Electronic				

### Video

Analog Output Frame Rate	NTSC: 30hz , PAL: 25hz
Optional Absolute Color	3 selectable color points can be mapped (factory preset) to selectable absolute temperatures

### Power

Power Source	8 AA batteries
Operating Time	+ 8 hours with lithium ion batteries

### 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)

### Physical Characteristics

Size	9"L x 3.75"W x 2.6"H (22.86cmL x 9.53cmW x 6.6cmH)
Weight	< 48 oz (1.36 kg)

**Optional  
Dual FOV  
or Tri FOV  
Germanium  
Lens Enhancement**



**Dual FOV**  
12° x 9° wide  
6° x 4.5° narrow  
150mm equivalent

**Tri FOV**  
12° x 9° wide  
6° x 4.5°  
3° x 2.25° narrow

Model numbers and specifications are subject to change without notice. Subject to export restrictions.