



James L. Griffin Co., Inc.

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
Infrared Polarity	Selectable White or Black Hot

Focal Plane Array

Detector	Amorphous Silicon Microbolometer
Pixels	160 x 120
Spectral Response	7-14 microns
Thermal Sensitivity	< 50 mK
Refresh Rate	Real-time 30Hz

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)

Optional 2X Lens Enhancement

Increase
detection distances!



Weight: 6.1oz
Length: 2.5"
Diameter: 2.75"
Germanium lens
7-14 microns
2x magnification



with 25mm lens



rear view

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

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