

GUARDSMAN

Affordable Handheld Thermal Security Camera



SEE AT NIGHT; STAY SAFE

FLIR's Guardsman handheld thermal imaging cameras let security professionals see clearly in total darkness, providing an undeniable tactical advantage. Using the same technology popular with law enforcement and military units around the world, Guardsman provides the information people need to maximize operational effectiveness, respond quickly, and stay safe.

Guardsman's thermal imaging core provides four times the image clarity and detail of earlier systems, allowing security officers to see more of their surroundings than any other night vision technology in the world. FLIR's advanced image-processing algorithms produce, crisp, clear thermal video day and night, in good weather and bad.

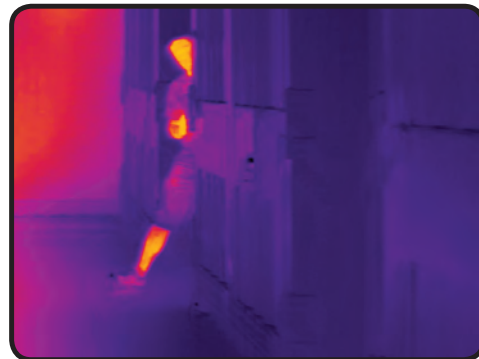
Guardsman offers both grey scale and color thermal imaging, and can display a digital temperature readout of the object in the center of the scene. Best of all, Guardsman is the first personal thermal imaging camera affordable enough for every member of the security team to have the unsurpassed advantages that come with full-resolution thermal night vision.

BENEFITS OF GUARDSMAN HANDHELD THERMAL SECURITY CAMERA:

- See intruders in total darkness with grayscale and color thermal imagery
- See people, animals, and vehicles through smoke, dust, and light fog
- See and assess intrusions from the safety and comfort of a patrol vehicle
- See better through camouflage and foliage in any lighting conditions
- See more – and see farther – than with other lowlight night vision goggle and camera technologies
- See where fixed-site and even pan/tilt cameras can't; Guardsman fills in the gaps that exist in every stationary camera network
- Direct, push-button access to all camera functions makes Guardsman easy to use, even with gloves on
- Up to five hours of operation on a single battery charge; Guardsman comes with AA NiMH re-chargeable batteries, and also uses Lithium Ion and standard alkaline AA batteries
- Guardsman also run off of auxiliary vehicle power and all power for extended use
- Hot Shoe attachment provides easy power-in and video-out plugs, and a standard tripod mounting attachment
- Store thermal snapshots and live video to onboard SD card
- Rugged and built to survive the demands of day-in, day-out security use, Guardsman is even at night and stay safe.



Is there a fire behind this door? Guardsman's spot radiometer gives precise temperature measurements you need to proceed safely.



Guardsman's color palettes give you multiple display options to pull out image details you might otherwise miss.

GUARDSMAN



Basic and Pro Models

SYSTEM

LENS CHOICES

	HG-324	HG-307
FOV	24° x 18°	7° x 5°
FOV (w/Optional 2x Extender)	12° x 9°	N/A
Start up from stand-by	< 1.5 seconds	
Waveband	7.5 - 13.5 μ m	
Thermal Sensitivity	<50 mK @ f/1.0	
Focus, Zoom	Manual, 2x E-zoom	
Detector Type	320 x 240 VOx Microbolometer	
Image Processing	FLIR Proprietary Digital Detail Enhancement	
Focus	Manual	

IMAGE PRESENTATION

Built-In Display	Color VGA LCD Display
Video Output	NTSC or PAL composite video; RCA jack

POWER

Battery Type	4 AA Batteries; NiMH, Li-Ion, or Alkaline
Battery Life Operating (Stand-By)	>5 Hours On NiMH batteries (120 hours on NiMH batteries)

ENVIRONMENTAL

Rating	IP-67, Submersible
Operating Temp.	-4°F – 140°F (-20°C – 60°C)
Drop	1 m drop

PHYSICAL

Weight (incl. lens)	1.45 lb with batteries; add 0.7 lb for 2x extender
Size (L x W x H)	10.42" x 3.33" x 2.62" (256 x 84.5 x 66.5 mm)

BASIC MODEL (Viewer Only) Includes: Guardsman Handheld Thermal Camera (with choice of lens) , Hot Shoe Charging & Video Output Attachment, 4 Rechargeable AA Batteries, AC Power Adapter/Charger, Car Adapter/Charger, Neck Lanyard Manual, USB Cable, Video Output Cable

PRO MODEL (Video and Still Image Storage) Everything in Basic Model, plus Tactical Carrying Pouch, image save function, video save function with real-time stamp

ADDITIONAL FEATURES IN PRO MODEL ONLY

Still Image Storage; Format	SD Card, JPEG; 320 x 240 resolution
Video Storage; Format	Approx. 8 seconds/Mb on SD Card; 320 x 240 MPEG-4
Real-Time Clock	Enabled
USB2 Port	Enabled

OPTIONAL ACCESSORIES

2x Optical Extender	(HG-324 Only) Attaches to existing 24° lens, extending it to 12° FOV
Tactical Carrying Pouch	Option for Basic Model; Included in Pro Model

RANGE PERFORMANCE

	24° LENS / 12° LENS (2x EXTENDER)	7° LENS
Detect Man (1.8 m x 0.5 m)	~1,480' (450 m) / 2,890' (880 m)	~4,750' (1.5 km)
Recognize Man	~370' (112 m) / 720' (220 m)	~1,210' (370 m)
Detect Vehicle (2.3 m x 2.3 m)	~4,200' (1.3 km) / 1.5 mi (2.5 km)	~2.4 mi (3.9 km)
Recognize Vehicle	~1,080' (330 m) / 2,100' (640 m)	~3,410' (1.0 km)

Actual range may vary depending on camera set-up, environmental conditions, user experience, and type of display use.
All specifications are subject to change without notice. Visit flir.com for the most up-to-date specifications.

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