

H-SERIES

Compact Tactical Thermal Night Vision Camera

CHOOSE THE PACKAGE THAT MEETS YOUR MISSION REQUIREMENTS

H-Series cameras can be configured to provide users with the tactical capability and flexibility they need.

PATROL model with viewer only:

The H-Series PATROL camera package contains all necessary features for covert, all weather, 24/7 thermal surveillance. Choose either the standard 24° lens or the long-range 7° version, depending on your mission requirements. An optional 2x optical extender is available for the 24° lens version. In addition to the H-Series thermal camera, the PATROL camera package includes:

- Hot Shoe accessory: Provides convenient power input and video output.
- Four rechargeable AA NiMH batteries: Provides more than 4 hours of camera operation on a single charge.
- AC power adapter: Fully charges the batteries in under two hours.
- Vehicle power adapter/charger: For field charging and battery management.
- Neck lanyard: Safeguards your investment.
- Field upgradeability: Upgrade to the COMMAND model and wireless video transfer.
- FLIR H-Series Operator's Manual.

COMMAND model with still frame and full video storage:

The H-Series COMMAND package has additional features activated that let officers capture and store thermal images and video for use as evidence.

- Still image capture: Allows officers to capture and store thermal images in JPEG format on a removable SD card with the touch of a button. A 1 GB SD card will hold up to 20,000 320 x 240 JPEG images.
- Video storage: With the push of a button the H-Series can record live thermal video in MPEG-4 format to the SD card.
- Real-time clock: Encodes the date and time on captured still images and video.
- Built-in radio transceiver enabled: Permits the use of the wireless video receiver option.

THE POWER OF THERMAL IMAGING IN THE PALM OF YOUR HAND

1. **Shuttered Eyepiece:** Keeps light from coming out of the viewfinder, helping the operator to stay covert.
2. **Multiple lens options available:** Choose the 19mm lens with 24° field of view (and its optional 2x optical extender), or the longer-range 65mm lens with 7° field of view for maximum standoff viewing capability.
3. **Rugged design:** All-weather design is built to withstand the demands of day-in, day-out law enforcement operations. It's even submersible.
4. **Hot Shoe Attachment:** The included "hot shoe" attachment provides power-in and RCA composite video-out connections while maintaining the camera's tripod mounting capability.
5. **Radio Frequency Transmitter:** Enables the transmission of thermal images up to 30 feet through the use of the optional wireless video receiver.*
6. **Two-sided Hand Strap:** Accommodates both left-handed and right-handed users.
7. **SD Card Slot:** Allows for easy field upgrades and the storage of captured still images and video evidence on the removable SD card.*
8. **USB2 Connection:** Rapid transfer of still images and video from the H-Series to a PC.*
9. **Battery Compartment:** Four rechargeable AA NiMH batteries are good for more than six hours of continuous operation. H-Series also runs on standard non-rechargeable alkaline and Lithium Ion AA batteries.

* - Command model only.

Actual Size



POWER: Virtual instant-on from Standby mode.

RECORD: Press and release the RECORD button once to capture a single image and save it to the internal SD card. Press and hold the RECORD button for more than 2 seconds to record live thermal video.*

E ZOOM: Cycles the 2x e-zoom on and off.

BRIGHTNESS: Adjusts the brightness of eyepiece display.

POLARITY: Switches the display between Black Hot and White Hot modes.



- See better through camouflage and foliage in any lighting conditions. Because H-Series cameras see heat, not light, they're not fooled by suspects wearing dark clothes and hiding in bushes. Crooks can't hide their heat, so they can't hide from the H-Series.
- See more – and see farther – than with other night vision technologies. Because H-Series thermal cameras see clearly without any light whatsoever, they can see farther at night than technologies that need ambient light to work and they can see heat sources that these other cameras could never find.
- Deploy with the latest technology at their fingertips. With a variety of lens options, on-board image storage and on-board video capture capability built in to the camera, H-Series is the most potent imaging package available today. And now it's affordable enough for almost every agency.

SPECIFICATIONS

H-SERIES



SYSTEM

	Base and Pro Models
Start up from stand-by	<1.5 seconds
Thermal Sensitivity, Waveband	<50 mK @ f/1.0, 7.5 - 13.5 μ m
Detector Type	320 x 240 VOx Microbolometer
Image Processing	FLIR Proprietary Digital Detail Enhancement
Focus, Zoom	Manual, 2X E Zoom
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

Ratings	IP-67, Submersible, 1 m drop
Operational Temp.	-4°F - 140°F (-20°C - 60°C)

PHYSICAL

Weight (incl. lens)	1.45 lb (653 g) with batteries; add 0.7 lb (315 g) 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)

LENS CHOICE

	HS-324	HS-307
FOV	24° x 18°	7° x 5°
FOV (w/Optional 2x Extender)	12° x 9°	N/A

BASE MODEL

H-Series 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

Everything in Pro Model, plus Tactical Carrying Pouch, image save function, video save function with real-time stamp, USB2 port enabled

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

RANGE DETECTION

	HS-324	HS-324 (w/ 2x extender)	HS-307
Detect Man (1.8 m x 0.5 m)	~1,480' (450 m)	~2,890' (880 m)	~4,750' (1.5 km)
Recognize Man (1.8 m x 0.5 m)	~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 (2.3 m x 2.3 m)	~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 used.

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited.

Please call for additional information.



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