

H-SERIES

Compact Tactical Thermal Night Vision Camera



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 **FLIR**



EXPERIENCE THE H-SERIES ADVANTAGE

FLIR's H-Series handheld thermal imaging cameras let law enforcement officers see clearly in total darkness, providing an undeniable tactical advantage. Using the same technology as airborne law enforcement units, H-Series gives officers the information they need to make quick decisions, enhance mission effectiveness, maximize operational capabilities, and improve officer safety.

People can't hide their heat, so H-Series lets officers:

- See suspects in total darkness
- See through smoke, dust, and light fog
- See through camouflage and foliage in any lighting conditions
- See more – and see farther – than with other low-light night vision goggles and cameras.

Using a 320 × 240 thermal imaging core, H-Series provides four times the image clarity and detail of earlier systems, allowing 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.

Best of all, H-Series is the first personal thermal imaging camera affordable enough to give every officer on the job the unsurpassed tactical advantages of full-resolution thermal imaging night vision.



H-SERIES THERMAL IMAGING VS. LOW-LIGHT AMPLIFIED NIGHT VISION

Daylight TV cameras, image intensified (I²) night vision devices, and the human eye all see the same thing: reflected visible light.

Unfortunately, we need visual contrast to discern an object from its surroundings, and at night there is very little visual contrast. Conventional night vision scopes are great for situational awareness, but they can't see in total darkness.

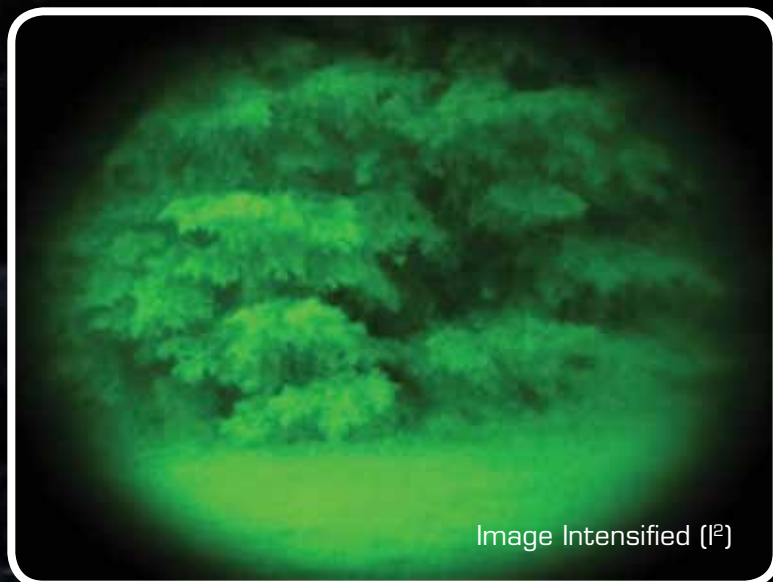
H-Series thermal cameras don't have that problem because they make pictures from heat, not light.

Everything we encounter in day-to-day life gives off thermal energy, even ice. The hotter something is the more thermal energy it emits. This emitted thermal energy is called a heat signature. When two objects next to one another have even subtly different heat signatures, they show up clearly to a thermal imager regardless of lighting conditions.

People make their own heat, and their own contrast, so H-Series cameras can see them regardless of visible contrast or camouflage. This is why airborne law enforcement and military units around the world use FLIR thermal cameras.

Bottom line: H-Series thermal cameras let officers see clearly 24/7, and now they're affordable enough for every officer to have one.

To learn more, watch the enclosed video. You can also read the full article, *Thermal Imaging vs. I² Night Vision*, which is available on www.flir.com.



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° or the long-range 7° lens, 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 5 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.
- FLIR H-Series Operator's Manual.
- HS-324P or HS-307P camera

Command model with still frame and full video storage:

The H-Series Command package has additional features 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 twenty thousand 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.
- HS-324C or HS-307C camera



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 withstands 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. **Two-sided Hand Strap:** Accommodates both left-handed and right-handed users.
6. **SD Card Slot:** Allows for easy field upgrades and the storage of captured still images and video evidence on the removable SD card.*
7. **USB2 Connection:** Allows rapid transfer of still images and video from the H-Series to a PC.*
8. **Battery Compartment:** Four rechargeable AA NiMH batteries are good for more than five 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.



SD CARD ACCESS



HS-307C



2X EXTENDER

Options:

Tactical Carrying Pouch:

- Rugged bag for transport and field use. (standard on Command model)

2x Optical Extender for 24° model:

- Attachable lens doubles the range performance when needed, without sacrificing the situational awareness benefit of the wide field of view lens.

H-Series cameras are built and supported by FLIR Systems, the world leader in thermal imaging technology. With more thermal imagers deployed around the globe than all other manufacturers combined, FLIR is the world's most trusted name in law enforcement thermal imaging.

Other FLIR Thermal Cameras for Ground Law Enforcement:



PathFindIR LE – Driver's vision enhancement camera that lets officers see up to four times farther away than they can with their headlights in total darkness.

PatrolIR Pro – Multi-sensor thermal camera used on patrol cars and command vehicles, letting officers see clearly enough to conduct pursuit and surveillance actions in total darkness.

SR-50, SR-100 – Long-range, mast-mounted cameras that see clearly in total darkness, SR-50 and SR-100 let commanders coordinate disparate tactical mission elements deployed over large areas.

See current specs at www.flir.com





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