

# H-SERIES

## Bi-Ocular Thermal Night Vision Camera



### SEE AT NIGHT, STAY SAFE

Featuring the same image clarity and detail you've come to depend on in the H-Series monocular, FLIR's new H-Series Bi-Ocular Thermal Imaging Camera brings your other eye into play. Featuring a full coverage eyepiece, inter-ocular adjustment, ergonomic comfort, and the unrivaled performance that only FLIR's high resolution thermal cores can deliver, the H-Series Bi-Ocular is a must-have for extended patrols, covert surveillance, critical infrastructure protection, and high-threat security missions.

Employing a 320 x 240 or 640 x 480 FLIR thermal imaging core with advanced image-processing algorithms, the H-Series Bi-Ocular provides crisp, clear thermal video day and night, and is the perfect addition to our field-proven H-Series monocular camera line-up. All H-Series cameras allow officers to see in total darkness, through smoke, dust, and light fog, as well as through light camouflage and foliage in any lighting conditions, providing a clear tactical advantage.

### H-SERIES BI-OCULAR CAMERA FEATURES INCLUDE:

- **Quick-Disconnect Conversion:** Customize thermal capability for mission-specific tasks with three lens options – QD35, QD65, or QD100 extended range. High-performance lenses are rapidly attached via integral quick disconnect mount.
- **Extended Range Options:** The BHS-X model provides excellent long range viewing with sharp 320 x 240 native resolution in the viewfinder and a 2x digital e-zoom step to 160 x 120. Powered by FLIR's 640 x 480 core, the BHS-XR delivers greater range performance with crisp, clear 320 x 240 native resolution both in the viewfinder and while in the 2x digital e-zoom mode, plus an additional 4x digital e-zoom step to 160 x 120. Full 640 x 480 resolution imagery from the BHS-XR is accessible via aux video jack.
- **Enhanced Lens Surfaces:** Raised and grooved rubber sleeves and captive low-profile lens caps protect your lens investment as well as providing excellent grip/sensitivity for fast focusing.
- **Faster Recharging:** A quick release hot-shoe literally makes access to AC power a "snap," and a latched battery door provides fast and easy access to exchange or recondition batteries, if necessary.
- **One-Touch Recording:** Capturing video evidence is now even easier with one-touch recording which allows users to release the record button once recording has started, freeing up hands to focus and zoom during an event, ensuring the best collection of evidence.

Why rely on low light night vision when you can see farther and more detail with FLIR's H-Series line of monocular and bi-ocular thermal cameras? Give officers the information they need to maximize operational effectiveness and make rapid decisions.



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## Bi-Ocular Thermal Night Vision Camera

### CAMERA SPEC

System	BHS-X Command	BHS-XR Command
Detector Type	320 x 240 VOx Microbolometer	640 x 480 VOx Microbolometer
Waveband	7.5 - 13.5 $\mu$ m	
E-Zoom	2x	2x, 4x
Start-up from Stand-by	< 1.5 seconds	
Image Processing	FLIR Proprietary Digital Detail Enhancement	

### IMAGE PRESENTATION

Built-In Display	Color LCD Display	
Viewfinder Video Output	30 Hz NTSC or PAL composite video (320 x 240)	
External Video (via RCA jack)	320 x 240 NTSC or PAL	640 x 480 NTSC or PAL

### FILE STORAGE/DATA TRANSFER

Still Image / Video Format	JPEG / AVI (320 x 240 resolution)	JPEG / AVI (640 x 480 resolution)
Still Image / Video Storage	SD or SDHC Card	
Real-Time Clock	Yes	
USB2 Port	Yes	

### PHYSICAL (w/o lens)

Weight	2.20 lbs	2.20 lbs
Size (L x W x H)	11.0" x 6.5" x 2.63"	11.0" x 6.5" x 2.63"

### POWER

Battery Type	4 AA Batteries; NiMH (included), Li-Ion , or Alkaline
Battery Life (Operating/ Stand-By)	4-6 Hours / 120 hours on NiMH batteries

### ENVIRONMENTAL

Rating	IP-66 (with lens attached only)
Operating / Storage Temp.	-4°F – 140°F (-20°C – 60°C)
Camera Package Includes:	BHS-X or BHS-XR Series Handheld Thermal Camera (lens purchased separately), Hot Shoe Charging & Video Output Attachment, 4 Rechargeable AA NiMH Batteries, AC Power Adapter/Charger, Neck Lanyard, USB Cable, Video Output Cable, Hard Carrying Case, Product CD with Ops Manual, FLIR Video Player Software and End User Graphical User Interface (GUI)

### LENS SPEC

Lens Options	QD35	QD65	QD100	QD35	QD65	QD100
Size	Ht. - 2.2" Dia - 3.1" Ø	Ht. - 3.3" Dia - 3.1" Ø	Ht. - 4.6" Dia - 3.1" Ø	Ht. - 2.2" Dia - 3.1" Ø	Ht. - 3.3" Dia - 3.1" Ø	Ht. - 4.6" Dia - 3.1" Ø
FOV (320 x 240)	13° x 10°	7° x 5°	5° x 3°	18° x 13°	10° x 8°	6° x 4°
E-Zoom FOV (Resolution):						
2x	6.5° x 5° (160 x 120)	3.5° x 2.5° (160 x 120)	2.5° x 1.5° (160 x 120)	9° x 6.5° (320 x 240)	5° x 4° (320 x 240)	3° x 2° (320 x 240)
4x	N/A	N/A	N/A	4.25° x 3.25° (160 x 120)	2.5° x 2° (160 x 120)	1.5° x 1° (160 x 120)
Lens Package Includes:	QD35, QD65 or QD100 Lens (as selected at purchase), Lens Cap, Lens Cover, Lens Cloth					

### RANGE PERFORMANCE

Detect Man (1.8 m x 0.5 m)	780 m	1,450 m	2,075 m	1,140 m	1,900 m	2,450 m
Recognize Man	190 m	370 m	540 m	280 m	490 m	650 m
Detect Vehicle (4 m x 1.5 m)	2,150 m	3,900 m	5,300 m	2,550 m	4,800 m	6,000 m
Recognize Vehicle	560 m	1,040 m	1,500 m	680 m	1,350 m	1,750 m

Actual range may vary depending on camera set-up, environmental conditions, user experience, and display method. All specifications are subject to change without notice. Visit [FLIR.com](http://FLIR.com) for the most up-to-date specifications.

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