

NEW

# SCOUT

## Bi-Ocular Thermal Night Vision Camera

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### SEE NATURE AFTERHOURS

With the same image clarity and detail that knocked your socks off in FLIR's Scout monocular cameras, FLIR's new Scout Bi-Ocular Series gives outdoor enthusiasts even more choices and control in their thermal viewing experience. Featuring a full coverage eyepiece, inter-ocular adjustment, ergonomic comfort, straightforward controls, interchangeable quick disconnect lenses, and the unrivaled performance that only FLIR's high resolution thermal cores can deliver, the Scout Bi-Ocular is a must-have for any avid outdoor enthusiast. Keep track of your party, see animals, track game, and travel safely at night or in conditions with poor visibility. Your Scout Bi-Ocular isn't just for out on the trail—there are dozens of on-the-water, on-the-go, or at-home uses.

Employing either a 320 x 240 or 640 x 480 FLIR thermal imaging core with advanced image-processing algorithms, the high performance Scout Bi-Ocular allows you to see more and see farther than any other night vision technology.

### SCOUT BI-OCULAR CAMERA FEATURES INCLUDE:

- **Quick-Disconnect Modularity:** Customize thermal capability for specific tasks by selecting from three available lens options – 35mm, 65mm, or 100mm extended range. Each of these high-performance thermal lenses allow rapid field exchange via an integral quick disconnect feature. The lenses are lightweight and easily focused, reducing arm strain during long viewing sessions.
- **Extended Range Options:** The BTS-X Pro model bi-ocular 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. With the power of FLIR's 640 x 480 core, the BTS-XR Pro delivers even greater range performance by supplying crisp, clear 320 x 240 native resolution in the viewfinder and 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 in the BTS-XR Pro is accessible via aux video jack.
- **Enhanced Lens Surfaces:** Raised rubber sleeves and captive low-profile lens caps help protect your lens investment as well as providing excellent grip/sensitivity.
- **Faster Power & Battery Swap:** 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.
- **One-Touch Recording:** The ability to capture both photos and video is standard on all Scout Bi-Ocular models. One-touch recording frees up hands to focus and zoom during an exciting event to get the best video possible.

If you are serious about the great outdoors, why limit your opportunity to only the daylight hours? Experience nature in vivid detail 24/7 with the Scout Bi-Ocular.



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## Bi-Ocular Thermal Night Vision Camera

### CAMERA SPEC

System	BTS-X Pro	BTS-XR Pro
Detector Type	320 x 240 VOx Microbolometer	640 x 480 VOx Microbolometer
Waveband	7.5 - 13.5 µm	
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 VGA LCD Display	
Viewfinder Video Output	9 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

Weight (w/o lens)	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:

BTS-X Pro or BTS-XR Pro 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. - 2.2" Dia - 3.1" Ø	Ht. - 2.2" 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

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 for the most up-to-date specifications.

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