



ZEUS 50mm LENS



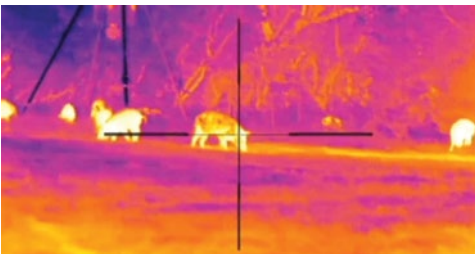
ZEUS 75mm LENS

THERMAL IMAGING RIFLESCOPE

ARMASIGHT by FLIR ZEUS® 640

The Zeus is a solid state, uncooled, long-wave infrared, magnified dedicated weapon scope intended for day and night engagements without the need to remove the sight from the rifle. The 24/7 mission capability is just one of its many strengths. Thermal imaging technology also allows you to detect targets by cutting through snow, dust, smoke, fog, haze, and other atmospheric obscurants.

www.flir.com



EXCEPTIONAL VISION

Advanced image processing eliminates the guesswork.

- Completely digital for better detection, classification and recovery, day or night
- Built using the FLIR Tau 2 thermal core
- Bright, high definition AMOLED display for absolute clarity



HIGH PERFORMANCE

For sustained viewing periods.

- Powerful hardware is protected by a robust body
- Featuring a 17 μm pixel pitch and on-chip image processing
- Outstanding thermal image quality in the darkness or through smoke, haze, fog, rain



SUPERIOR VALUE

Packed with features for a versatile and customizable viewing experience.

- User-adjustable Image Enhancement Tools
- Multiple color palettes
- 8x digital zoom for extra reach

SPECIFICATIONS

General	Zeus 640 2-16x50	Zeus 640 3-24x75
Detector type	640 x 512 VOx Microbolometer	
Refresh rate	30 or 60 Hz	
Start up	3 seconds	
Lens system	50 mm; F/1.0	75 mm; F/1.0
Optical magnification	2x	3x
Field of view (H x V)	14.8° x 11.8°	8.3° x 6.6°
Digital zoom	2x, 4x, 8x	
Diopter adjustment range	-5 to +5 dpt	
Focusing range	5 m to infinity	10 m to infinity
Display	800 x 600 AMOLED SVGA 060	
Video output	PAL (768x574 pixels)/ NTSC (640x480 pixels)	
Temperature imaging modes (Image Palettes)	White Hot, Black Hot, Fusion, Rainbow, Globow, Ironbow 1, Ironbow 2, Sepia, Color 1, Color 2, Ice-Fire, Rain, and OEM Custom	
Reticle type	6-Pattern digitally controlled: Dot 4 MOA, Line Dot, Cross Center Dot, Cross, Crosshair and "No Reticle"	
Reticle color	Black, White, Red, Cyan	
User Interface		
Operation switch	On/ Off/ Standby mode	
Control panel buttons	Configures operational settings: <ul style="list-style-type: none"> • Display brightness control • Image palette control • Digital zoom control • Reticle color control • Reticle pattern control • Boresighting control • On-screen menu navigation 	
Remote control button	Activates/ Deactivates the Zeus in standby mode	
Lens focusing ring	Focuses the objective lens	
Eyepiece focus ring	Adjusts the eyepiece diopter	
Special User-Adjustable Imaging Tools		
<ul style="list-style-type: none"> • Active Contrast Enhancement (ACE) - "CONTRAST" • Second Generation Digital Detail Enhancement (DDE) - "SHARPNESS" • Smart Scene Optimization (SSO) - "SMART SCENE" • Information-Based Histogram Equalization (IBHEQ) - "SKY/SEA" • User-Controlled Manual Non-Uniformity Correction/ Flat-Field Correction (UCMNUC/ FFC) • Silent Shutterless NUC™ (SSN) 		
Interfacing		
Connector	Power in, analog video In/Out, digital video recorder	
Power		
Battery type	Two CR123A 3V Lithium batteries or CR123 type rechargeable batteries with voltage from 3.0V to 3.7V (2)	
Battery life (operating)	Up to 4 hr (optional up to 12 hrs) at 20°C	
Environmental		
Operating temperature range	-40°C to +50°C (-40°F to +122°F)	
Storage temperature range	-50°C to +70°C (-58°F to +158°F)	
Physical		
Weight	0.8 kg (1.5 lbs)	1.08 kg (2.4 lbs)
Overall dimensions	259 x 74 x 83 mm (10.2 x 2.9 x 3.3 in)	291 x 96 x 89 mm (11.5 x 3.5 x 3.8 in)
Dimensions without lens cap and eyepiece	187 x 74 x 83 mm (7.4 x 2.9 x 3.3 in)	222 x 96 x 89 mm (8.7 x 3.5 x 3.8 in)

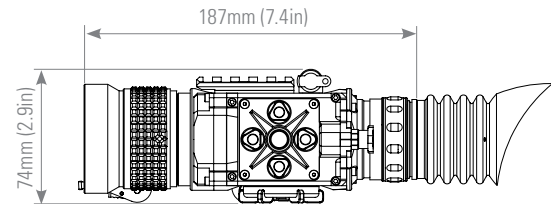
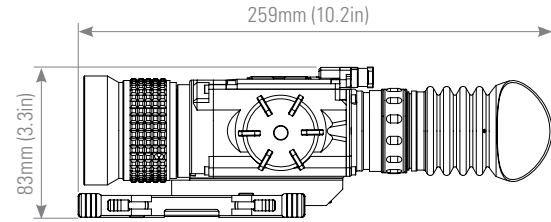
Specifications are subject to change without notice.
For the most up-to-date specs, go to www.flir.com

Package Includes

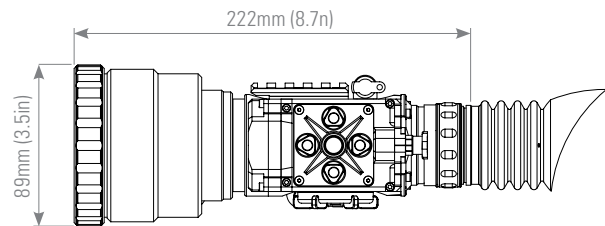
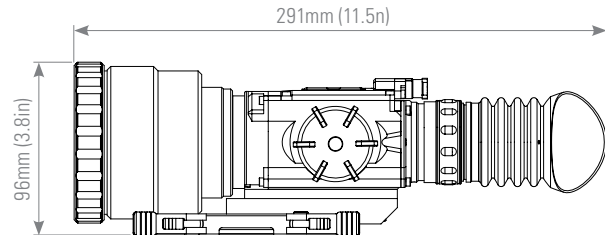
Thermal Riflelescope, Battery Cassette, Video Cable, Wireless Remote Control with Picatinny Adapter, Quick Start Guide, Soft Carrying Case, Lens Cloth

Optional accessories

ATVR000002 – Wireless Head Mounted Display
IATAM000005 – HD DVR - High-Definition Digital Recorder
ATAM000008 – Extended Battery Pack - Extended Battery Pack with Rechargeable Batteries
ANHC000001 – Hard Shipping/Storage Case #101



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Zeus 75mm Lens

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