

# ThermoVision® SCOUT MZX

The ThermoVision Scout ZX features a thermal imager with 4X resolution, and a one-touch 4X digital power zoom – to quickly and accurately locate perpetrators and missing persons. Easy, one-handed operation and clear, high-quality images provide enhanced officer safety and security.

- New High Resolution 4x Viewing
- One Touch, Built-in Digital Zoom
- Ultra-compact, Light, and Durable
- Affordable & Easy-to-use

#### Find Perpetrators and Missing Persons Fast with High Resolution Viewing

The new SCOUT<sup>™</sup> ZX features 4 times the resolution – for faster and more accurate target identification than ever before, day or night. View crisp thermal images on the 2.5″ color LCD screen, highlight and analyze targets, store images and share findings with colleagues.

#### One-touch Digital Zoom

The Scout ZX boasts a built-in, one-touch digital zoom, to magnify targets without any loss of image clarity – to quickly and easily spot perpetrators and missing persons – while enhancing officer safety.

## Rugged, Lightweight and Weather-resistant

Hold in your hand, clip to your belt, or place in your vest or vehicle, the SCOUT ZX weighs under 2 lbs and is as easy to handle as a flashlight! It is the lightest IR imaging and storage camera in the world making it ideal for law enforcement applications. Dust and splash proof, the weatherresistant SCOUT ZX infrared camera meets IP 54 standards and withstands harsh environments.

#### Pinpoint Problems with Precision

The New SCOUT ZX features a one-touch built-in digital zoom, ensuring better target identification and a higher level of officer safety. Simply point and scan for instant infrared images that show warmer, hotter areas, potentially indicative of criminals, perpetrators or victims.

- Crisp, High-quality Images
- Easy-view Integral LCD
- Instantly Ready for Use
- > Attaches to Belt

#### Smart Power Management

Lightweight, long life Li-Ion battery assures uninterrupted operations. The SCOUT ZX includes an internal battery charger and car/truck charger adapter for improved reliability.

#### View Sensitive Thermal Images

A maintenance-free, state-of-the-art uncooled FPA infrared detector produces highly sensitive thermal images that allow you to detect subtle temperature variations that can signal areas where criminals or other threats to public safety are hidden.

#### Improve Officer Safety and Security

Vivid, easy-view color LCD features adjustable brightness and eliminates unsafe squinting into an eyepiece, facilitating fast and accurate searches, regardless of lighting conditions. Detect hidden perpetrators safely. Don't just find the bad guys, stay one step ahead and keep your distance with the SCOUT ZX<sup>™</sup> IR camera!

#### Download and Document

Standard storage feature lets you save and recall up to 100 JPEG thermal images in the camera's on-board memory. Download stored images quickly to your PC with ThermaCAM QuickView<sup>™</sup> software. Document your findings for evidence collection simply by inserting JPEG's into your favorite word processing programs. You can even email high quality thermal images at the push of a button.

## Find Suspects and Victims Fast with InstAlert $\ensuremath{^{\rm M}}$

The Scout's exclusive InstAlert object tagging feature highlights warm objects, such as people or vehicles, in red for immediate operator attention. (The background of the image remains in black and white for detailed scene analysis.) Utilizing the InstAlert's powerful auto-contrast algorithm instantly optimizes image contrast for maximum target definition and tracking capability.



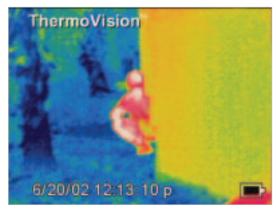
One-touch digital zoom.

#### ThermoVision® SCOUT ZX Technical Specifications

Field of view25° X 19° / 0.3mThermal sensitivity (N.E.T.D)0.08° C at 25° CFocusManualDetector typeFocal plane aray (FPA) uncooled microbolometer 320 x 240 pixelsDigital Zoom1, x, 2 x or 4 xSpectral range7.5 to 13 µmUriewing temperature range7.5 to 13 µmUriewing temperature range2.0° C to 4.250° CAlarm functionalityInstNet (color alarm)Image Presentation2.5° color LCD, 16K colorsVideo outputPAL or NTSC, standard RCA composite videoImage controlsPatters (inco, Rainbow, RPA, RW im, (nstAlert"), Auto adjust (continuous/manual)Set-up controlsDate/time Temperature units "C"I, Language, scale, info field, LCD intensity (high/normal/low)Image Storage2.5° color LCD, 16K colorsImage StorageEuler (ST)Presentation2.5° color LCD, 16K colorsImage StorageBull-lin FLASH memory (>100 images).Inage StorageEuler (ST)2 X Telescope15° x 11° (0.5m)0.5 Wide angle45° x 36' / 0.2mBattery System1000 (St)Charging systemLi-on, nechargeable, field replaceableOperating time2.10° LV form car (with optional Std, cable)2 So toget temperature range1.5° C 14 4° COperating system1.16W PCPower aving0.4° C to 470° CUriewing temperature range1.5° C 14 4° COperating temperature range0.5° C 14 4° COperating temperature range0.5° C 14 4° COperational Storage 20% to 80%	Imaging Performance	
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Operating temperature range-15° C to +45° CStorage temperature range-40° C to +70° CHumidityOperating and storage 20% to 80%, non-condensing, IEC 359EncapsulationIP54ShockOperational: 25G, IEC 68-2-29VibrationOperational: 2G, IEC 68-2-6Physical CharacteristicsVWeight< 800 g, incl. battery (with 25° lens)	Power saving	Automatic shutdown and sleep mode (user selectable)
Storage temperature range-40° C to +70° CHumidityOperating and storage 20% to 80%, non-condensing, IEC 359EncapsulationIP54ShockOperational: 25G, IEC 68-2-29VibrationOperational: 2G, IEC 68-2-6Physical CharacteristicsVeightSize272 mm x 80 mm x 105 mmTripod Mounting1/4" - 20Cover casePlastic and rubberInterfacesUsage transfer to PCBS-232 cable (optional)Image transfer to PC	Environmental Specification	
HumidityOperating and storage 20% to 80%, non-condensing, IEC 359EncapsulationIP54ShockOperational: 25G, IEC 68-2-29VibrationOperational: 2G, IEC 68-2-6Physical CharacteristicsVeightVieght< 800 g, incl. battery (with 25° lens)	Operating temperature range	-15° C to +45° C
EncapsulationIP54ShockOperational: 25G, IEC 68-2-29VibrationOperational: 25G, IEC 68-2-6Physical CharacteristicsVibrationWeight< 800 g, incl. battery (with 25° lens)	Storage temperature range	-40° C to +70° C
ShockOperational: 25G, IEC 68-2-29VibrationOperational: 2G, IEC 68-2-6Physical CharacteristicsWeight< 800 g, incl. battery (with 25° lens)	Humidity	Operating and storage 20% to 80%, non-condensing, IEC 359
Vibration Operational: 2G, IEC 68-2-6   Physical Characteristics Comparison   Weight < 800 g, incl. battery (with 25° lens)	Encapsulation	IP54
Physical Characteristics <800 g, incl. battery (with 25° lens)   Size 272 mm x 80 mm x 105 mm   Tripod Mounting 1/4" - 20   Cover case Plastic and rubber   Interfaces USB   KS-232 cable (optional) Image transfer to PC	Shock	Operational: 25G, IEC 68-2-29
Weight < 800 g. incl. battery (with 25° lens)   Size 272 mm x 80 mm x 105 mm   Tripod Mounting 1/4" - 20   Cover case Plastic and rubber   Interfaces USB   KS-232 cable (optional) Image transfer to PC	Vibration	Operational: 2G, IEC 68-2-6
Size 272 mm x 80 mm x 105 mm   Tripod Mounting 1/4" - 20   Cover case Plastic and rubber   Interfaces USB   USB Image transfer to PC   RS-232 cable (optional) Image transfer to PC	Physical Characteristics	
Tripod Mounting 1/4" - 20   Cover case Plastic and rubber   Interfaces USB   KS-232 cable (optional) Image transfer to PC	Weight	< 800 g, incl. battery (with 25° lens)
Cover case Plastic and rubber   Interfaces USB   WSB Image transfer to PC   RS-232 cable (optional) Image transfer to PC	Size	272 mm x 80 mm x 105 mm
Interfaces   USB Image transfer to PC   RS-232 cable (optional) Image transfer to PC	Tripod Mounting	1/4" - 20
USB Image transfer to PC   RS-232 cable (optional) Image transfer to PC	Cover case	Plastic and rubber
RS-232 cable (optional) Image transfer to PC	Interfaces	
	USB	Image transfer to PC
Video output Standard RCA composite video	RS-232 cable (optional)	Image transfer to PC
	Video output	Standard RCA composite video

ThermoVision SCOUT ZX System Includes:	
IR camera	
Ruggedized transport case	
Power supply	
Hand strap	
Lens cap	
User manual	
Power cord	
Battery	
Battery charger	
ThermaCAM <sup>®</sup> QuickView <sup>™</sup> Software	
USB cable	
Sunshield	
12V DC charger car adapter	







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