FLIR THERMOSIGHT PRO PTS533®

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Thermal Imaging Weapon Sight

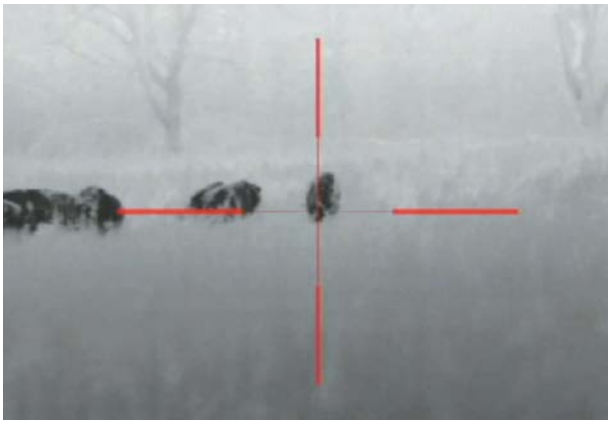
The Thermosight Pro is solid state, uncooled, longwave infrared thermal weapon scope optimized for both day and night engagements. Not only the smallest and lightest in their class, Thermosight Pro thermal weapon sight is packed with features while still being simple to operate. Installing the Thermosight Pro on a weapon is easy, repeatable, and reliable, thanks to its unique and user-friendly MIL-STD-1913/ Weaver/ Picatinny rail-compatible quick-release locking mechanism. The solid state technology and software algorithms, combined with a complementary color reticle platform, ensures maximum reticle contrast, high-level target accuracy, and boresight retention that cannot be achieved with mechanical boresight adjusters and traditional ballistic drums. This level of accuracy is translated into the electronic zoom (e-zoom) function of the Thermosight Pro thermal imaging weapon sight, which can be progressively increased from 1x to 2x, 4x, and 8x, without changing the point-of-aim to point of-impact relationship of the targeting reticle.

FEATURES

- High resolution FLCOS display
- Digital Compass and Digital Inclinometer
- Multiple palettes
- Multiple selectable reticle patterns
- Onboard video recording and picture capture (Internal Storage)
- USB C connectivity
- Battery Status Indicator
- Rapid start-up
- Rugged construction
- Reliable quick-release locking weapon mount
- Limited 3-year warranty
- 10-year warranty on FLIR detector
- Made in the USA

Specifications

	THERMOSIGHT PRO PTS533 4-16X50	THERMOSIGHT PRO PTS563 2-16X50
Sensor Specifications		
Detector Type	320 x 256 VOx Microbolometer	640 x 512 VOx Microbolometer
Video Refresh Rate	30 Hz	
Start Up	< 1.5 seconds	
Image Processing	FLIR Proprietary Digital Detail Enhancement™	
System Specifications		
Lens System	50 mm; F/1.0	50 mm; F/1.0
Optical Magnification	6×	3×
Field of View (H x V)	4.5° x 3.5°	9° x 7°
Digital Zoom	1×, 2×, 4×	1×, 2×, 4×, 8×
Diopter Adjustment Range	-5 to +5 dpt	
Focusing Range	10m to infinity	
Eye Relief	45 mm	
Display	Quad-VGA (1280 x 960) FLCOS	
Video Output	Digital Video	
Temperature Imaging Modes (Image Palettes)	Urban Alert, Outdoor Alert, Artic, Sepia, Ironbow HC, Rainbow, Black Hot, White Hot	
Reticle Type	Dot 4 MOA, Line Dot, Cross Center Dot, Cross, Crosshair, and "No Reticle"	
Reticle Color	Black, White, Red, Cyan, and High Visibility	
Boresight Adjustment Type	Digitally Controlled	
User Interface		
Operation Switch	On/ Off/ Standby Mode	
Control Panel Buttons	Configures Operational Settings: • Display Brightness Control • Image Palette Control • Digital Zoom Control • Reticle Color Control • Reticle Pattern Control • Boresighting Adjustment • On-Screen Menu Navigation	
Focus Ring	Adjusts the Objective Lens Focus	
Diopter Adjustment Ring	Adjusts the Eyepiece Diopter	
Interfacing		
USB-C Connector	Digital Video Out, Laser Range Finder Connections	
Power		
Battery Type	Two CR123A 3V Lithium batteries	
Battery Life (Operating)	Up to 4 hr	Up to 3 hr
Environmental		
Operating Temperature Range	-20°C to +50°C (-4°F to +122°F)	
Storage Temperature Range	-40°C to +60°C (-40°F to +140°F)	
Physical		
Weight	0.8 kg (1.8 lbs)	
Size	259x68x84 mm (10.2x2.7x3.3 in)	
Weapon Mount Type	Picatinny, MIL-STD 1913, and Weaver Rails	
Height of the Scope Axis above Rail	42 mm (1.65 in)	
Color (housing)	Black	
Earth Country Of Origin	USA	
Package Includes		
Thermal Weapon Sight, CR123A Battery (2), Battery Cassette, Quick Start Guide, Soft Carrying Case		



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