PRO PTS233

FLIR *THERMOSIGHT*®
PRO PTS233

Thermal Imaging Weapon Sight

The FLIR ThermoSight Pro Series sets a new standard in thermal image quality. With multiple features packed into a compact housing, the ThermoSight Pro Series delivers brilliant, clean thermal imagery in low contrast daylight scenes, as well as in total darkness. Equipped with shot activated video recording and FLIR's patent pending High Visibility Technology (HVT) reticle, the FLIR ThermoSight Pro Series is the perfect addition to any hunting or security weapon platform. It is powered by the new FLIR Boson core, featuring a 12 µm pixel pitch sensor, industry leading on-chip video processing. The uncompressed video signal is paired with a high definition display for better detection and classification in the field.

EXCEPTIONAL VISION
Advanced image processing eliminates the guesswork

- Completely digital for better detection, classification and recovery, day or night

- Built using the new FLIR Boson thermal core

- Bright, high definition FLCOS display for absolute clarity

COMPACT, POWERFUL
Perfect balance of size and performance

- Powerful and compact hardware is protected by a robust aircraft-aluminum alloy body

- Featuring a 12 µm pixel pitch and industry leading on-chip video processing

- Outstanding thermal image quality in total darkness or through smoke, haze, fog, rain

SUPERIOR VALUE
Packed with features for a versatile and customizable viewing experience

- On-board video recording, image capture and storage. Up to 2.5 hours of recording time or up to 1,000 pictures

- Shot activated video recording feature automatically captures before/after shot video

- FLIR's patent pending HVT reticle technology provides clear reticle visibility against even the most difficult to discern backgrounds

- Multiple color palettes, reticle types and reticle colors

- Digital compass/inclinometer for precise range and target orientation

- Reliable quick-release Picatinny rail

ThermoSight PRO PTS233 - in the field

FLIR® | The World's Sixth Sense®

Specifications

Sensor Specifications	
Core	FLIR 12μm BOSON
Detector Type	320 x 256 VOx Microbolometer
Video Refresh Rate	30 Hz
Image Processing	FLIR Proprietary Digital Detail Enhancement™

System Specifications	
Lens System	19 mm; F/1.0
Optical Magnification	1.5×
Field of View (H x V)	12° x 9.5°
Digital Zoom	1×, 2×, 4×
Diopter Adjustment Range	-5 to +5 dpt
Focusing Range	10m to infinity (not focusable)
Eye Relief	45 mm
Display	Quad-VGA (1280 x 960) FLCOS
Internal Memory	Up to 2.5 hours of recorded video or up to 1,000 pictures
Video Output	Digital Video
Temperature Imaging Modes (Image Palettes)	White Hot, Black Hot, Rainbow High Contrast, Ironbow, Sepia, Arctic, Outdoor Alert
Reticle Type	Dot 4 MOA, Line Dot, Cross Center Dot, Cross, Crosshair, and "No Reticle"
Reticle Color	Black, White, Red, and Cyan
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

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
External Power	Through USB-C port (5Vdc)

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	0.65 kg (1.44 lbs)
Size	220x68x84 mm (8.7x2.7x3.3 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
Country Of Origin	USA

Package Includes
Thermal Weapon Sight, CR123A Battery (2), Battery Cassette, Spare Battery Cassette, USB to USB Type C cable (3'), Lens Cloth, Quick Start Guide, and Hard Carrying Case

OUTDOOR & TACTICAL SYSTEMS
815 Dubuque Ave
South San Francisco, CA 94080, USA
PH: 1 (888) 959-2259, (650) 492-7755
F: 1 (888) 959-2260
Intl Phone/Fax: (650) 492-7755

US Commercial Sales
OTS-Sales@flir.com

Government Sales
OTS-Gov@flir.com

Technical Support, Repairs, Returns, Refunds & Warranty
OTS-Support@flir.com

www.flir.com/ots
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