

FLIR THERMOSIGHT[®] PRO PTS233



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 μ m 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 μ m 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

Specifications

| Sensor Specifications | |
|---|--|
| Core | FLIR 12 μ m 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 | 1.5x |
| Field of View (H x V) | 12° x 9.5° |
| Digital Zoom | 1x, 2x, 4x |
| 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: <ul style="list-style-type: none"> • 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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