

# FLIR SCION® PTM

Professional Thermal Monocular



Built to equip law enforcement professionals with superior thermal surveillance, the FLIR Scion® PTM packs high-performance thermal imaging into a rugged, IP67-rated handheld monocular. Capable of geotagged video recording and live video transmission, the Scion PTM can instantly stream encrypted thermal footage of any pursuit, evidence recovery, or search and rescue effort to the command center via wireless network. A smooth 60 Hz refresh rate and picture-in-picture zoom capture minute details from a distance and maintain peripheral awareness for constant thermal supervision of suspects, team members, and standbys.



## LIVE ENCRYPTED VIDEO STREAMING

Securely stream real-time thermal video to the command center via networked devices

Link powerful Scion PTM thermal imaging to integrated devices via Wi-Fi and network with other deployed smart sensors on the scene for enhanced, real-time situational awareness and centralized public safety information.

## VERSATILE LENS OPTIONS

Available long-range lenses for the Scion family of thermal monoculars offers a new level of clarity and reach.

High-performance thermal lenses ranging from 14-36 mm offer a choice between quick, close-proximity detection and fine-tuned, long-range surveillance. When the mission demands reliable vision from a distance, premium Scion lenses can detect targets up to 1120 m away. 25 mm and 36 mm Scion optics leverage a manual focus ring to achieve a new level of clarity among FLIR thermal monoculars.

## SUPERIOR THERMAL DETECTION

Sharp, 60 Hz thermal imaging powered by the breakthrough FLIR Boson™ thermal core

FLIR outfits law enforcement professionals with tools to counter unseen threats. Able to perform at any time of day, thermal imaging pierces complete darkness, glaring light, and lingering haze to provide superior awareness in difficult conditions. The advanced image processing of FLIR's Boson thermal core paired with a 60 Hz image refresh rate provide smooth, unwavering vision in challenging environments.

## SPECIFICATIONS

General	Scion PTM166	Scion PTM366	Scion PTM466
Core Technology	BOSON 12 μm VOx Microbolometer		
Detector Resolution	640 × 480	640 × 480	640 × 480
Lens System	14 mm	25 mm	36 mm
Field of View (H × W)	31° × 24°	18° × 13°	12° × 9°
Optical Magnification	.7x	1.3x	2.0x
Digital Zoom	1X   2X   4X   8X		1X   2X   4X   8X
Refresh Rate	60 Hz		
Video Recording	Yes		
Focus	∞	Manual	
Eye Relief	16 mm		
Display	Quad-VGA (1280x960) High definition display		
Display Focus	Manual		
Features			
Color palettes	White Hot; Black Hot; Iron Bow; Rainbow; Graded Fire; Lava		
Viewing Modes	Scouting, Picture-in-Picture, Lock Span mode		
Picture While Recording (PWR)	Yes		
Media capturing	2 GB Internal storage / Optional micro SD™ card (up to 128 GB)		
GPS	Yes		
Real Time Clock (RTC)	Yes		
Date/Time Stamp	Yes		
Auto Power OFF	Yes		
Magnetic Compass	Yes		
Accelerometer	Yes		
Interfacing			
USB Type	USB-C; Power In; Video Out; Video and Image File Transfer		
Power			
Battery Type / Life	6x CR123A 3V Lithium Battery / Up to 4.5 Hours at 20°C or Rechargeable battery pack / Up to 10 Hours at 20°C		

## DETECTION RANGE PERFORMANCE



Specifications are subject to change without notice.  
For the most up-to-date specs, go to [www.teledynelflir.com](http://www.teledynelflir.com)

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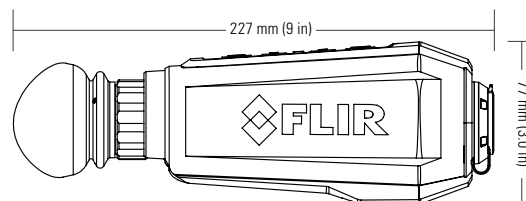
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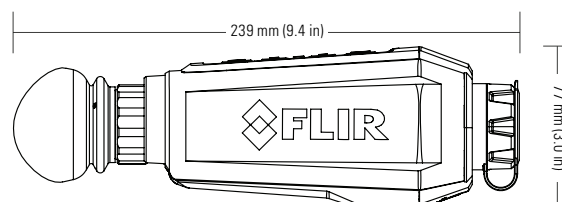
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	Scion PTM166	Scion PTM366	Scion PTM466
Communications			
Bluetooth™	BLE 4.1+		
Wi-Fi	Video Streaming		
NFC	Yes		
Physical			
Weight	Unit only : 452g With Batteries (6): 565g	Unit only: 567g With Batteries (6): 680g	Unit only: 680g With Batteries (6): 793g
Size	227 × 76.8 × 60.5 mm (9 × 3 × 2.4 in)	239 × 76.8 × 60.5 mm (9.4 × 3 × 2.4 in)	278 x 77 x 73mm (10.9 x 3.03 x 2.87)
Environmental rating	IP67 waterproof / 2m drop		
Operating Temperature	-20°C to 50°C		
Storage Temp.	-40°C to 70°C		
Color (Housing)	Black		
Mounting	¼-20 Tripod Mount		
Country of Origin	USA		
Included in Box	SCION, Battery tray, 6xCR123, USB-C cable, Black MOLLE pouch, Quick Start Guide		

100 & 200 series units



300 series units



400 series units

