



# PROMETHEUS

## Thermal Imaging Monocular

Armasight Prometheus is the latest and most technologically-advanced family of thermal imaging monoculars for the sporting, law enforcement, and military markets. The Prometheus product line is based on the latest FLIR Tau 2 VOx microbolometer core, and is composed of different models – each optimized for performance, price, and state-of-the-art technology that is suitable for a variety of uses and missions.

The Prometheus is a solid state, uncooled, long-wave infrared, magnified, dedicated handheld thermal imager intended for day and nighttime missions.

The 24/7 mission capability is only one of the strengths of the Prometheus line. The thermal imaging technology also allows you to detect targets by cutting through snow, dust, smoke, fog, haze, and other atmospheric obscurants. Unlike the use of laser targeting or near-infrared illumination to augment night vision equipment, the Prometheus thermal imager is extremely difficult to detect with other devices, as it emits no visible light or RF energy.

The Prometheus is available in different versions, with optical magnifications ranging from 1x to 16x. Prometheus series also provides up to 8x digital zoom for models based on 640x512 cores and up to 4x digital zoom for models based on a 336x256 core.

The Prometheus is powered by two CR123A (2x3V) batteries. The Extended Battery Pack or 6VDC/ 600mA power source can also be used to power the Prometheus.

The Prometheus can be controlled by a wireless remote control.

- Ⓐ **Multiple versions with optical magnifications ranging from 1x to 16x**
- Ⓐ **High-performance thermal imaging camera**
- Ⓐ **Lightweight and robust design**
- Ⓐ **Easy to operate**
- Ⓐ **Manually adjustable eyepiece and objective lens**
- Ⓐ **Real-time display**
- Ⓐ **Digitally controlled features:**
  - **Palette**
  - **Enhancement**
  - **Settings**
  - **Display Brightness**
  - **Electronic Magnification**
  - **User-Controlled Manual Non-Uniformity Correction/ Flat-Field Correction (UCMNUC/ FFC)**
- Ⓐ **Current operational state information display (battery status, active profile, palette setting)**
- Ⓐ **Wireless remote control**
- Ⓐ **Analog video input and output (NTSC/PAL)**
- Ⓐ **Powered by two standard CR123A batteries**
- Ⓐ **Power input capability**
- Ⓐ **Digital video recorder (optional)**
- Ⓐ **Serviceability under severe conditions**
- Ⓐ **Filled with dry nitrogen to prevent internal fogging**
- Ⓐ **Water and fog-resistant**
- Ⓐ **Limited 3-year warranty**
- Ⓐ **10-year warranty on FLIR detector**



## SPECIFICATIONS

Model Name	PROMETHEUS 336 2-8x25	PROMETHEUS 336 3-12x42	PROMETHEUS 640 1-8x25	PROMETHEUS 640 2-16x42
SYSTEM DATA:				
Refresh Rate	30 Hz or 60 Hz	30 Hz or 60 Hz	30 Hz	30 Hz or 60 Hz
Magnification (NTSC/PAL)	1.6x	2.8x / 3.4x	1x	1.5x / 1.8x
Objective Lens Type	Germanium			
Type of Focal Plane Array	FLIR Tau 2			
Pixel Array Format	336x256		640x512	
Pixel Size	17 μm			
Display Type	LED VGA	OLED SVGA	LED VGA	OLED SVGA
Pixel Display Format	640x480	800x600	640x480	800x600
Display Brightness	Discretely Adjustable to 8 Levels			
Turn-on Time, max	3 sec			
Digital Zoom	1x, 2x, 4x		1x, 2x, 4x, 8x	
Image Palettes	White Hot, Black Hot, Fusion, Rainbow, Globow, Ironbow1, Ironbow2, Sepia, Color1, Color2, Ice-Fire, Rain, and OEM			
Analog Input and Output Format (resolution)	PAL (768x574 pixels)*/ NTSC (640x480 pixels)			
Video Recording	Optional Digital Video Recorder with SD card slot			
Remote Control	Wireless			
SPECIAL USER-ADJUSTABLE IMAGING TOOLS:				
Active Contrast Enhancement (ACE) – “CONTRAST”			Yes	
Second Generation Digital Detail Enhancement (DDE) – “SHARPNESS”			Yes	
Smart Scene Optimization (SSO) – “SMART SCENE”			Yes	
Information-Based Histogram Equalization (IBHEQ) – “SKY/SEA”			Yes	
User-Controlled Manual Non-Uniformity Correction/ Flat-Field Correction (UCMNUC/ FFC)			Yes	
Silent Shutterless NUC™ (SSN)			Yes	
OPTICAL DATA:				
Objective Focal Length	25mm	42mm	25mm	42mm
Objective F-number	F/1.0	F/1.0	F/1.0	F/1.0
Field of View (ang.)	13° × 10°	7.8° × 5.9°	24° × 20°	14.8° × 11.8°
Exit Pupil Diameter	14 mm			
Eye Relief	25 mm			
Focus Method	-	Manual	-	Manual
Focusing Range	5m to inf.			
Diopter Adjustment	Manual			
Diopter Adjustment Range	±5 diopter			
ELECTRICAL DATA:				
Battery	Two CR123A 3V Lithium batteries or CR123 type rechargeable batteries with voltage from 3.0V to 3.7V (2)**			
Battery Life at 20 °C (68 °F)	up to 4 hr (optional up to 12 hrs)			
Extended Battery Pack	Two 18650 rechargeable batteries (3.7V), four CR123 rechargeable batteries with voltage 3.7V max, or four standard CR123A 3V Lithium batteries (operational time up to 8 hr)			
External Power Supply	6VDC / 600 mA			
ENVIRONMENTAL DATA:				
Operating Temperature	-40 to +50°C (-40 to +122°F)			
Storage Temperature	-50 to +70°C (-58 to +158°F)			
Recoil Resistance	700 g			
Environmental Rating	Water and Fog-Resistant			
MECHANICAL DATA:				
Overall Dimensions (mm/in)	180x68x62 7.1x2.7x2.4	194x68x62 7.6x2.7x2.4	180x68x62 7.1x2.7x2.4	194x68x62 7.6x2.7x2.4
Weight (w/o Batteries)	0.48 kg (1.1 lbs)	0.55 kg (1.2 lbs)	0.48 kg (1.1 lbs)	0.55 kg (1.2 lbs)
WARRANTY DATA:				
Warranty	3 years			
Warranty on FLIR detector	10 years			

\*Default setting (may be altered at the customer's request)

\*\* Rechargeable batteries with voltage 3.0V-3.7V can be used only in devices with serial number starting from 140885

## STANDARD COMPONENTS



BATTERY CASSETTE



CR123 BATTERY



ADVANCED WIRELESS  
REMOTE CONTROL



PICATINNY ADAPTER



VIDEO CABLE

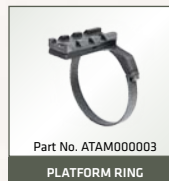


OPERATOR MANUAL



CARRYING CASE

## OPTIONAL EQUIPMENT



Part No. ATAM000003

PLATFORM RING



Part No. ATAM000005

HD DVR DIGITAL VIDEO  
RECORDER



Part No. ATAM000004

RECORDER DT DIGITAL  
VIDEO RECORDER



Part No. ATAM000008

EXTENDED BATTERY PACK



Part No. ANHC000001

HARD SHIPPING/  
STORAGE CASE #101