



APOLLO PRO MR 336



APOLLO PRO MR 640



APOLLO PRO LR 640

**THERMAL CLIP-ON SYSTEM**

**ARMASIGHT by FLIR  
APOLLO PRO®**

The Apollo PRO is an uncooled long-wave thermal clip-on device intended to mount in front of the existing magnified day sight. The immediate advantages of this approach of converting the day scope into a thermal imaging device include no change in cheek weld, no change in trigger reach, and continued use of existing ballistic reticules in the day scope. The 24/7 mission capability is only one of the strengths of the Apollo PRO.

[www.flir.com](http://www.flir.com)



**EXCEPTIONAL VISION**

Advanced image processing eliminates the guesswork

- Completely digital for better detection, classification and recovery, day or night
- Built using the FLIR Tau 2 thermal core
- Bright, high definition AMOLED SVGA display for absolute clarity



**COMPACT, POWERFUL**

Perfect balance of size and performance

- Powerful and compact hardware is protected by a robust body
- Featuring a 17 µm pixel pitch and on-chip image processing
- Outstanding thermal image quality in the darkness or through smoke, haze, fog, rain



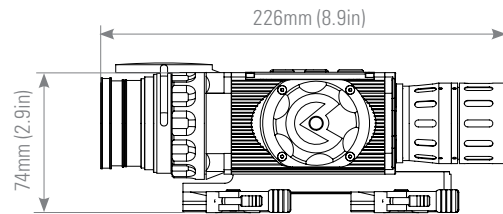
**SUPERIOR VALUE**

Packed with features for a versatile and customizable viewing experience

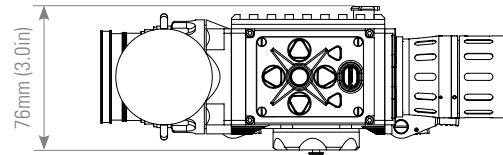
- Mounts in front of any day scope with no re-zeroing required
- Multiple color palettes
- Digital compass/inclinometer for precise range and target orientation

## SPECIFICATIONS

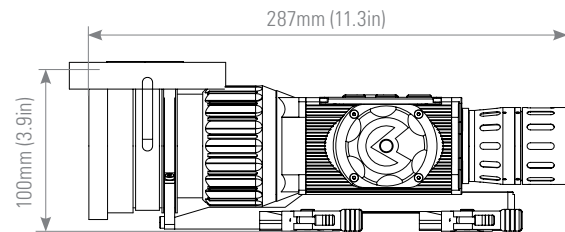
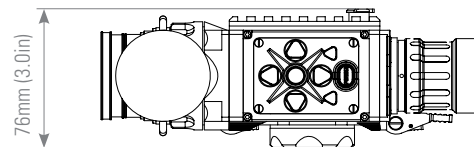
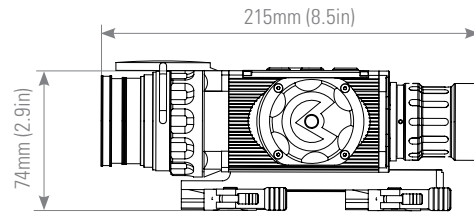
General	Apollo PRO MR 336	Apollo PRO MR 640	Apollo PRO LR 640
Detector type	336 x 256 VOx Microbolometer	640 x 512 VOx Microbolometer	640 x 512 VOx Microbolometer
Refresh rate		30 or 60 Hz	
Start up		3 seconds	
Lens system	50 mm; F/1.4	50 mm; F/1.4	100 mm; F/1.4
Optical magnification	1x	1x	1x
Field of view (H x V)	6.5° x 5°	12.5° x 10°	6.2° x 5°
Digital zoom	2x, 4x	2x, 4x, 8x	2x, 4x, 8x
Exit pupil diameter	40 mm	25 mm	40 mm
Focusing range	5 m to infinity	5 m to infinity	10 m to infinity
Display	AMOLED SVGA 060		
Video output	PAL (768x574 pixels)/ NTSC (640x480 pixels)		
Temperature Imaging Modes (Image Palettes)	White Hot, Black Hot, Sepia, Fusion, Rainbow, and Rain		
Reticle type	6-Pattern Digitally controlled: Dot 4 MOA, Line Dot, Cross Center Dot, Cross, Crosshair, and "No Reticle"		
Reticle color	Black, White, Red, Cyan		
Boresight adjustment type	Digitally controlled		
<b>User interface</b>			
Operation switch	On/ Off/ Standby mode		
Control panel buttons	Configures operational settings: <ul style="list-style-type: none"> <li>• Display brightness control</li> <li>• Image palette control</li> <li>• Digital zoom control</li> <li>• Reticle color control</li> <li>• Reticle pattern control</li> <li>• Boresighting adjustment</li> <li>• On-screen menu navigation</li> </ul>		
Remote control button	Activates/ deactivates the Apollo PRO in standby mode		
Focus ring	Adjusts the objective diopter		
<b>Interfacing</b>			
Connector	Power in, analog video in/out, digital video recorder		
<b>Power</b>			
Battery type	Four CR123A 3V Lithium batteries or four AA 1.5V		
Battery life (operating)	Up to 7 hrs (up to 14 hrs with optional battery pack) at 20°C		
<b>Environmental</b>			
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)		
<b>Physical</b>			
Weight	1.05 kg (2.3 lbs)	0.95 kg (2.0 lbs)	1.28 kg (2.8 lbs)
Overall dimensions	226 x 76 x 74mm (8.9 x 3.0 x 2.9 in)	215 x 76 x 74mm (8.5 x 3.0 x 2.9 in)	287 x 90 x 100mm (11.3 x 3.5 x 3.9 in)
Dimensions w/o lens caps	226 x 76 x 74mm (8.9 x 3.0 x 2.9 in)	215 x 76 x 74mm (8.5 x 3.0 x 2.9 in)	287 x 90 x 100mm (11.3 x 3.5 x 3.9 in)
<b>Package Includes</b>			
Thermal Clip-On, Battery Cartridge for AA Batteries, Battery Box Extender Ring, Video Cable, Light Suppressor, Wireless Remote Control with Picatinny Adapter, Quick Start Guide, Soft Carrying Case, Lens Cloth			
<b>Optional Accessories</b>			
ATVR000002 – Wireless Head Mounted Display			
ANAM000045 – Extended Rail Adapter #85			
IATAM000005 – HD DVR - High-Definition Digital Recorder			
ATAM000008 – Extended Battery Pack			
ANH000001 – Hard Shipping/ Storage Case #101			



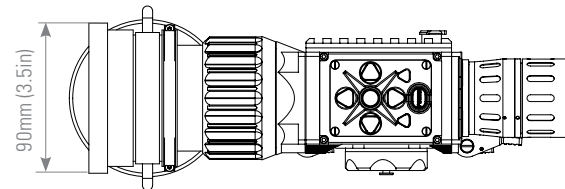
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Specifications are subject to change without notice.  
For the most up-to-date specs, go to [www.flir.com](http://www.flir.com)

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