



AGM
GLOBAL
VISION

COBRA

THERMAL IMAGING BI-OCULAR

The AGM Cobra is the latest and most technologically-advanced thermal imaging device for observation currently available on the market. Bi-ocular is made of high-grade aircraft aluminum alloy, making the unit both durable and lightweight. Due to its waterproof capability the Cobra performs well even in severe weather conditions and challenging environments.

The Cobra's user-friendly interface, comfortable and ergonomic buttons, together with the wireless remote control makes adoption and application incredibly simple. Based on the FLIR Tau 2 VOx microbolometer core, the Cobra offers a variety of image palettes: White Hot/Black Hot/Rainbow, etc. that can be easily adapted depending on different environmental conditions.

This high-tech bi-ocular can take either two CR123A 3V Lithium batteries or two CR123 rechargeable batteries, with voltage ranging from 3.0 V to 3.7 V. In addition, the external battery bank connected via standard micro-USB port provides an additional operating time.

- FLIR Tau 2 17 μ m pitch thermal sensor
- Dual eye viewing system for comfortable, extended viewing sessions
- Lightweight and robust design
- Easy to operate device
- Manually adjustable eyepiece and objective lens
- Real-time display
- Multiple color palettes
- 2x, 4x, and 8x Digital Zoom
- Waterproof
- External Wi-Fi module (optional)
- Integral rail on unit for optional accessories
- Powered by two standard CR123A batteries
- External power supply
- Optional video recording
- Tripod mountable
- Limited 3-year warranty



Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited.

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SPECIFICATIONS

	Cobra TB50-336	Cobra TB50-640	Cobra TB75-336	Cobra TB75-640
Detector Type	FLIR Tau 2 17µm Uncooled Microbolometer	FLIR Tau 2 17µm Uncooled Microbolometer	FLIR Tau 2 17µm Uncooled Microbolometer	FLIR Tau 2 17µm Uncooled Microbolometer
Resolution	336x256	640x512	336x256	640x512
Refresh Rate	60 Hz	30 Hz	60 Hz	30 Hz
Start Up	3 seconds	3 seconds	3 seconds	3 seconds
Lens System	50 mm; F/1.0	50 mm; F/1.0	75 mm; F/1.0	75 mm; F/1.0
Optical Magnification	2.9x	1.7x	4.3x	2.6x
Field of View	7.8° × 5.9°	14.8° × 11.8°	4.3° × 3.3°	8.3° × 6.6°
Digital Zoom	2x, 4x	2x, 4x, 8x	2x, 4x	2x, 4x, 8x
Diopter Adjustment Range	-5 to +5 diopters	-5 to +5 diopters	-5 to +5 diopters	-5 to +5 diopters
Focusing Range	5 m to infinity	5 m to infinity	5 m to infinity	5 m to infinity
Display Resolution	800x600 pixels	800x600 pixels	800x600 pixels	800x600 pixels
Video Output	PAL (768x574 pixels)/ NTSC (640x480 pixels)			
Temperature Imaging Palettes	White Hot, Black Hot, Fusion, Rainbow, Globow, Ironbow1, Ironbow2, Sepia, Color1, Color2, Ice-Fire, Rain, and OEM			
Interfacing	Universal S620 connector (Power In, Analog Video In/Out, Wi-Fi Attachment, HD Recorder, Extended Battery Pack) Micro-USB (Power bank 5V);			
Battery Type	Two CR123A 3V Lithium Batteries or CR123 Type Rechargeable Batteries with Voltage from 3.0V to 3.7V (2)			
Battery Life (Operating)	Up to 4 hr (optional up to 12 hrs)			
External Power Supply	Power bank (5V) via Micro-USB port; Extended battery pack (6V) or 6V/600 mA power supply via S620 connector			
Operating Temperature Range	-40°C to +50°C (-40°F to +122°F)			
Environmental Rating	Waterproof			
Weight	0.9 kg (1.9 lb)		1.14 kg (2.5 lb)	
Overall Dimensions	288 × 109 × 60 mm (11.3 × 4.2 × 2.3 in)		312 × 109 × 89 mm (12.2 × 4.2 × 3.5 in)	
Package Includes	Thermal Imaging Bi-Ocular, Neck Strap, Video Cable, Lens Cloth, Soft Carrying Case, User Manual			

Specifications are subject to change without notice.



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