PYTHON

THERMAL IMAGING RIFLESCOPE

The AGM Python is a long-wave infrared, uncooled, thermal imaging rifle scope designed for 24 hours operation, eliminating the need to dismount the unit from the rifle.

The housing is made of high-grade aircraft aluminum alloy, making it lightweight, but at the same time tough to tolerate high recoil. The waterproof design of AGM Python grants excellent performance even under severe environmental and weather conditions. The device has a variety of options providing users with opportunity to choose between a set of different Germanium objective lenses (25mm, 50mm, 75mm or 100mm) and FLIR Tau 2 detector types (336x256 or 640x512), which allow the operator to achieve the most suitable performance for the tasks he faces.

The Python's user-friendly interface, comfortable and ergonomic buttons, together with the wireless remote control, makes adoption and application incredibly simple. The Python includes a variety of color palettes and reticle patterns, adjustable image brightness and contrast, an internal menu, and digital zoom.

The capabilities of the device can be enhanced through the use of with Wi-Fi module, external video recorder or monitor. For long-term missions, an external battery pack can be connected via micro-USB port to drastically increase operation time.

- FLIR Tau 2 17µm pitch thermal sensor
- Lightweight and robust design
- Easy to operate device
- Manually adjustable eyepiece and objective lens
- Real-time display
- Multiple color palettes
- Digital zoom: 1x, 2x, 4x, and 8x
- Multiple reticle patterns
- Wireless remote control
- Waterproof
- Optional video recording
- External Wi-Fi module (optional)
- Integral MIL-STD-1913 rails for optional accessories
- Powered by two standard CR123A batteries
- External power supply capability
- Limited 3-year warranty

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SPECIFICATIONS

	Python TS25-336	Python TS50-336	Python TS75-336	Python TS100-336	Python TS25-640	Python TS50-640	Python TS75-640	Python TS100-640
Detector	FLIR Tau 2 17µm Uncooled Microbolometer	FLIR Tau 2 17µm Uncooled Microbolometer	FLIR Tau 2 17µm Uncooled Microbolometer	FLIR Tau 2 17µm Uncooled Microbolometer	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	336x256	336x256	336x256	640x512	640x512	640x512	640x512
Video Refresh Rate	60 Hz	60 Hz	60 Hz	60 Hz	30 Hz	30 Hz	30 Hz	30 Hz
Start Up	3 seconds	3 seconds	3 seconds	3 seconds	3 seconds	3 seconds	3 seconds	3 seconds
Lens System	25 mm; F/1.0	50 mm; F/1.0	75 mm; F/1.0	100 mm; F/1.3	25 mm; F/1.0	50 mm; F/1.0	75 mm; F/1.0	100 mm; F/1.3
Optical Magnification	2×	3×	5×	6.3×	1×	2×	3×	3.3×
Field of View (H × V)	13° × 10°	7.8° x 5.9°	4.3° × 3.3°	3.3° × 2.5°	25° × 8°	14.8° x 11.8°	8.3° × 6.6°	6.2° × 5.0°
Digital Zoom	1×, 2×, 4×	1×, 2×, 4×	1×, 2×, 4×	1×, 2×, 4×	1×, 2×, 4×, 8×	1×, 2×, 4×, 8×	1×, 2×, 4×, 8×	1×, 2×, 4×, 8×
Diopter Adjustment Range	-5 to +5 diopters	-5 to +5 diopters	-5 to +5 diopters	-5 to +5 diopters	-5 to +5 diopters	-5 to +5 diopters	-5 to +5 diopters	-5 to +5 diopters
Exit Pupil Diameter	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm
Eye Relief	45 mm	45 mm	45 mm	45 mm	45 mm	45 mm	45 mm	45 mm
Focusing Range	2.5 m to infinity	5 m to infinity	10 m to infinity	25 m to infinity	2.5 m to infinity	5 m to infinity	10 m to infinity	25 m to infinity
Display Resolution	800 x 600 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							
Reticle	Changeable reticle pattern							
Remote Control	Wireless (Activates/ Deactivates the scope in Standby Mode)							
Interfacing	Micro-USB (Power bank 5V); Universal S620 connector (Power In, Analog Video In/Out, Wi-Fi Attachment, HD Recorder, Extended Battery Pack)							
Battery Type	Two CR123A 3V Lithium batteries or two CR123 type rechargeable batteries with voltage from 3.0V to 3.7V							
Battery Life (Operating)	Up to 4 hr at 20°C							
External Power Supply	Power bank (5V) via Micro-USB port; Extended battery pack (6V) or 6V/600 mA power supply via S620 connector							
Environment Rating	Waterproof							
Operating Temperature	-40°C to +50°C (-40°F to +122°F)							
Storage Temperature	-50°C to +70°C -58°F to +158°F)							
Weight	0.79 kg (1.7 lb)	0.84 kg (1.8 lb)	0.9 kg (1.9 lb)	1.3 kg (2.9 lb)	0.79 kg (1.7 lb)	0.84 kg (1.8 lb)	0.9 kg (1.9 lb)	1.3 kg (2.9 lb)
Dimensions	227×71×78 mm (8.9×2.7×3.0 in)	228×71×81 mm (8.9×2.7×3.1 in)	252×89×104 mm (9.9×3.5×4.0 in)	286×112×122 mm (11.2×4.4×4.8 in)	227×71×78 mm (8.9×2.7×3.0 in)	228×71×81 mm (8.9×2.7×3.1 in)	252×89×104 mm (9.9×3.5×4.0 in)	286×112×122 mm (11.2×4.4×4.8 in)

Specifications are subject to change without notice.

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