

ADDER

THERMAL IMAGING RIFLESCOPE

The Adder thermal imaging scope was developed for hunters who prefer a traditional scope body. The Adder comes with a 30mm American Defense Manufacturing (ADM) AD Recon scope mount – but can be mounted to the weapon using any standard 30mm scope rings. The traditional body style meets the needs of professional hunters who value traditions and seek technological superiority, ensure an extreme detection range of up to 2600 meters.

The scope is equipped with unique dual power system. Two built-in 18650 rechargeable batteries with one CR123A replaceable Lithium battery provide up to 15 hours of continuous operation. The device has fast 64GB EMMC storage for on-board video recording and image capture. Shot Activated Recording (SAR) function allows you not to worry about having to start recording manually each time. Comes standard with video and audio recording and onboard Wi-Fi module for live video streaming and video/image recording via mobile applications.

Riflescope has twelve micron high-sensitivity thermal detector and 1024x768 OLED monitor, which provides clear image under harsh environment conditions like darkness, fog, smoke, dust, rain, snow, wood, camouflage, etc.

- 384x288 or 640x512 thermal resolution
- 12µm high-sensitivity detector
- Fast 50 Hz imaging
- High-resolution OLED display
- 1x, 2x, 4x, 8x digital zoom
- On-board video and audio recording
- Shot Activated Recording (SAR)
- Wi-Fi data transmission
- Fast 64GB EMMC built-in storage
- Various reticle types and colors
- Adjustable color palettes
- Standby mode
- Waterproof & shockproof
- Dual power system
- Up to 15 hours continuous working
- External power supply capability
- 5-year warranty



SPECIFICATIONS

	Adder TS35-384	Adder TS50-384	Adder TS35-640	Adder TS50-640
Detector	12µm VOx Uncooled Focal Plane Array	12µm VOx Uncooled Focal Plane Array	12µm VOx Uncooled Focal Plane Array	12µm VOx Uncooled Focal Plane Array
NETD	< 35 mK (25°C, F# = 1.0)	< 35 mK (25°C, F# = 1.0)	< 35 mK (25°C, F# = 1.0)	< 35 mK (25°C, F# = 1.0)
Resolution	384 x 288	384 x 288	640 x 512	640 x 512
Refresh Rate	50 Hz	50 Hz	50 Hz	50 Hz
Lens System	35 mm; F/1.0	50 mm; F/1.0	35 mm; F/1.0	50 mm; F/1.0
Magnification	3x - 24x	4x - 32x	2x - 16x	2.5x - 20x
Field of View	7.5° x 5.6°	5.4° x 4.0°	12.5° x 10.0°	8.8° x 7.0°
Detection Range	1,800 m	2,600 m	1,800 m	2,600 m
Digital Zoom	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x
Eye Relief	≥ 60 mm	≥ 60 mm	≥ 60 mm	≥ 60 mm
Diopter Adjustment	-5 to +5 dpt	-5 to +5 dpt	-5 to +5 dpt	-5 to +5 dpt
Display	1024x768, 50 Hz, OLED	1024x768, 50 Hz, OLED	1024x768, 50 Hz, OLED	1024x768, 50 Hz, OLED
Reticle	5 types, 4 colors, on/off	5 types, 4 colors, on/off	5 types, 4 colors, on/off	5 types, 4 colors, on/off
Boresight Adjustment	Digital Controlled	Digital Controlled	Digital Controlled	Digital Controlled
Boresight Increment	0.13 mil / 0.44 MOA	0.09 mil / 0.31 MOA	0.22 mil / 0.73 MOA	0.15 mil / 0.51 MOA
Distance Measurement	Yes (Stadiametric)	Yes (Stadiametric)	Yes (Stadiametric)	Yes (Stadiametric)
Palettes	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion
Scene Mode	Jungle, Recognition	Jungle, Recognition	Jungle, Recognition	Jungle, Recognition
Shot Activated Recording (SAR)	Yes	Yes	Yes	Yes
Picture In Picture Mode (PIP)	Yes	Yes	Yes	Yes
Wi-Fi Hotspot	Yes	Yes	Yes	Yes
Standby Mode	Yes	Yes	Yes	Yes
Video/Audio Recording	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes
Image Capture	Yes	Yes	Yes	Yes
Defective Pixels Correction (DPC)	Yes	Yes	Yes	Yes
Uniformity Correction	Auto, Manual, External Correction	Auto, Manual, External Correction	Auto, Manual, External Correction	Auto, Manual, External Correction
Storage	64 GB EMMC	64 GB EMMC	64 GB EMMC	64 GB EMMC
Battery Type	Two 18650 Rechargeable Batteries (built-in) and one CR123 Battery	Two 18650 Rechargeable Batteries (built-in) and one CR123 Battery	Two 18650 Rechargeable Batteries (built-in) and one CR123 Battery	Two 18650 Rechargeable Batteries (built-in) and one CR123 Battery
Battery Life (Operating, 20°C)	Up to 15 hr	Up to 15 hr	Up to 13 hr	Up to 13 hr
Power Supply	5 VDC/2 A, USB Type-C Supports QC3.0	5 VDC/2 A, USB Type-C Supports QC3.0	5 VDC/2 A, USB Type-C Supports QC3.0	5 VDC/2 A, USB Type-C Supports QC3.0
Operating Temperature Range	-30°C to +55°C (-22°F to +131°F)	-30°C to +55°C (-22°F to +131°F)	-30°C to +55°C (-22°F to +131°F)	-30°C to +55°C (-22°F to +131°F)
Degree of Protection	IP67	IP67	IP67	IP67
Weight (w/o mount)	890 g (1.96 lb)	970 g (2.14 lb)	890 g (1.96 lb)	970 g (2.14 lb)
Overall Dimensions (w/o mount)	407 x 78x 76 mm (16.0 x 3.1 x 3.0 in)	420 x 78 x 82 mm (16.5 x 3.1 x 3.2 in)	407 x 78x 76 mm (16.0 x 3.1 x 3.0 in)	420 x 78 x 82 mm (16.5 x 3.1 x 3.2 in)

Specifications are subject to change without notice.



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