



SIDEKICK PRO 640

1-4 X 19 MM COMPACT THERMAL MONOCULAR



KEY FEATURES



PACKAGE INCLUDES

- Sidekick Pro Monocular
- Battery Extender
- USB-C Cable
- 2 x CR123A Batteries
- Lens Cloth
- Soft Case
- Product Manual

DESCRIPTION

The **Sidekick Pro 640** is the smallest fully multifunctional 12-micron thermal monocular, delivering professional-grade thermal performance in a lightweight, ultra-portable design. Powered by the **ArmaCore 640 12- μ m Gen 4 A-SWaP System** and a **1.8 GHz Quad-Core GPU** with integrated AI Neural Processing, it delivers crisp, high-contrast imagery at a **smooth 60Hz frame rate**.

Weighing under 250 grams, the Sidekick Pro can be used handheld or helmet-mounted via the built-in mini rail for hands-free operation. The **Full HD 1920x1080 OLED display** ensures clear visuals, while simplified **three-button controls** and **one-touch video recording** make field operation seamless.

Advanced features include **Full HD video output with HDR, improved H265 compression, and integrated dynamic audio**. Ideal for tactical operations, hunting, surveillance, and outdoor adventures, the **Sidekick Pro 640** gives you professional-grade thermal imaging anytime, anywhere.

MPN	TAVT66MN9SIDE1P1
DETECTOR TYPE	ArmaCore 640 12- μ m Gen 4 A-SWaP System
REFRESH RATE	60Hz
THERMAL SENSITIVITY	NETD < 20mK
GRAPHICS ISP	1.8 GHz Quad Core GPU with Integrated AI Neural Processing Unit
LENS SYSTEM	F/1.00; 19mm Manual focus
EYE RELIEF	15mm
FIELD OF VIEW (H x W)	23.16° x 17.37°
FIELD OF VIEW	128.25 x 91.50ft @ 100yrd
OPTICAL MAGNIFICATION	1x
DIGITAL MAGNIFICATION	2x - 4x
EYEPIECE	25mm
DETECTION RANGE	709m on Human Sized Target
DISPLAY	1920 x 1080 Full HD HR/HC Active Matrix OLED
AUDIO	Integrated Dynamic Audio
VIDEO OUTPUT	Full HD 1920 x 1080 @ 60Hz with HDR
POWER SUPPLY	2 x CR123A (3V)
BATTERY LIFE (HOURS)	Up to 5.5h at 20°C / 68°F
ENVIRONMENTAL RATING	IP67
OPERATING TEMPERATURE	-40°C to +50°C / -40°F to +122°F
DIMENSIONS (mm/in)	105 x 65 x 60mm / 4.13 x 2.57 x 2.35in
WEIGHT (kg/lbs)	254g / 0.56lbs
WARRANTY	3 Years with Registration