

SPECIFICATIONS

	Protector PRO TB50-384	Protector PRO TB50-640
Resolution	384 × 288	640 × 512
Detector	17µm, Uncooled, 50 Hz	12µm, Uncooled, 50 Hz
Lens System	50 mm; F/1.0	50 mm; F/1.0
Magnification	4x - 32x	2.5x - 20x
Field of View	5.3° × 4.0°	8.8° × 7.0°
Digital Zoom	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x
Detection Range (6' object)	2500 m/yd	2500 m/yd
Display	0.39-inch, OLED, 1024x768, 50 Hz	0.39-inch, OLED, 1024x768, 50 Hz
Diopter Adjustment Range	-5 to +5 dpt	-5 to +5 dpt
Focusing Range	10 m to infinity	10 m to infinity
Distance Measurement	Yes (Stadiametric Rangefinder)	Yes (Stadiametric Rangefinder)
Palettes	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion
Scene Mode	Jungle, Recognition	Jungle, Recognition
Picture In Picture Mode (PIP)	Yes (2x Zoom)	Yes (2x Zoom)
Hotspot	Yes	Yes
Standby Mode	Yes	Yes
Video Recording	Yes	Yes
Picture Snapshot	Yes	Yes
CVBS Output	Yes (via USB)	Yes (via USB)
Defective Pixels Correction (DPC)	Yes	Yes
Uniformity Correction	Auto, Manual, External Correction	Auto, Manual, External Correction
Storage	Built-in EMMC (16 GB)	Built-in EMMC (16 GB)
Battery Type	Two CR123 (3V) Lithium or two RCR123 (up to 4.2V) Rechargeable Batteries	Two CR123 (3V) Lithium or two RCR123 (up to 4.2V) Rechargeable Batteries
Battery Life (Operating, 20°C)	Up to 4.5 hr	Up to 4.5 hr
External Power Supply	5 VDC/2 A, USB Type-C interface	5 VDC/2 A, USB Type-C interface
Operating Temperature Range	-20°C to +55°C (-4°F to +131°F)	-20°C to +55°C (-4°F to +131°F)
Degree of Protection	IP67	IP67
Drop Test Height	1.5m (4.9 feet)	1.5m (4.9 feet)
Weight (w/o battery)	0.7 kg (1.5 lb)	0.7 kg (1.5 lb)
Overall Dimensions	196 × 70 × 66 mm (7.7 × 2.7 × 2.6 in)	196 × 70 × 66 mm (7.7 × 2.7 × 2.6 in)
Package Includes	Thermal Imaging Moocular, USB Cable, Lens Cloth, Manual	Thermal Imaging Moocular, USB Cable, Lens Cloth, Manual

Specifications are subject to change without notice.



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