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PHANTOM THERMO SF50 MULTIFUNCTIONAL THERMAL MONOCULAR



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MULTIFUNCTIONAL THERMAL MONOCULAR



- OPTICAL MAGNIFICATION - 2X
- RESOLUTION - 640 X 480
- IR DETECTOR - 17 μ M
- FOV - 12.4° (H) x 9.3° (V)
- RECHARGABLE BATTERIES
- UP TO 5 HOURS CONTINUOUS WORK
- CUSTOMIZEABLE RETICLE



The Thermal monocular **Phantom Thermo SFS50** is the special operations, military and law enforcement professionals choice to enhance operational effectiveness and precision. This all-weather thermal imaging device cuts through battlefield and environment obscurants to deliver crisp surveillance imagery and enables operatives to make quick decisions, enhancing mission effectiveness, maximizing operational capabilities, and improving officer safety.

This technology provides state of the art thermal sensitivity and superb dynamic range. Range performance up to 3300m is ideal for complex combat situations. The video output port of the **Phantom Thermo SF 50** enables remote operation and provides video signal for external viewing or recording, ideal for extended detection missions, surveillance or for military training. Simple intuitive control offers easy operation and fast fielding. Compact ergonomic multi-use design affords mission flexibility for use as a thermal weapon sight, mounted on tripod and as rugged hand held thermal imager for a variety of surveillance, intelligence and covert operations. Integrated eye guard with auto-shutter function eliminates risk of operator exposure by preventing light emission from the viewfinder.

SPECIFICATIONS



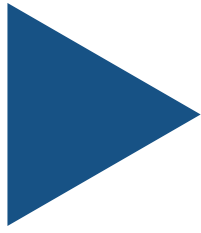
SENSOR (FPA)

| | |
|----------------|--|
| Material | Microbolometer |
| Spectral range | 8+14µm |
| Resolution | 640 x 480 pixel array |
| Pitch size | 17 µm |
| NUC | Automatic / Manual |
| Polarity | White hot / Black hot / Red Hot/Isotherm |
| NETD | < 50 µk @ F/1.0 |

FUNCTIONAL CHARACTERISTICS

| | |
|---------------------------|--|
| OBJECTIVES Focal length | 50mm |
| FOV | 12.4" {H} X 9.3" {V} (+/- 5%) |
| Digital zoom | x2, x4 |
| Focus | Manual |
| Eye relief | 25 mm |
| Diopter Adjustment | -4 to +3 dpt |
| Material and coating | Germanium hard carbon coating on the external surface |
| Analog video output | CCIR (PAL) or RS-170 (NTSC) |
| Snapshot function | Built in memory for 20 images |
| Battery | 2 x CR123 2 X 18650 with battery extender |
| Battery life | Up to 4 hours continuous |
| Work temperature range | -30°C to +50°C |
| Storage temperature range | -50°C to +60°C |
| Weight | < 700 g |
| IP Rating protection | MIL-STD-810G, IP 66 |
| Static range performance | Human detection range* > 1 300 m Human recognition range* > 460 m Vehicle detection range* > 3 300 m Vehicle recognition range* > 1 100 m |

*NOTE: The distances defined are calculated in geometrical values only human (1.8x0.5m), vehicle (2.3x2.3m), not accounting the atmospheric conditions.



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FOR MORE INFORMATION: contact@c4icommunication.com or +1 (302)9811340