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PhantomIR

INFRARED BINOCULAR

The PhantomIR Thermal Binocular is a technically-advanced device for observation and perimeter security. Utilizing a high-resolution thermal detector, the PhantomIR allows users to observe the heat signatures of people and objects in daytime or at night and through smoke, fog or camouflage.

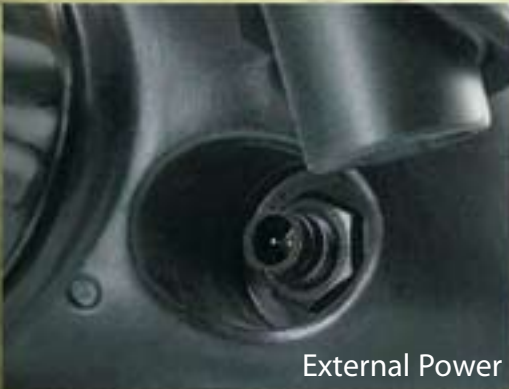
Incorporating user-selectable reticles, digital magnetic compass, zoom function and video out capability, the PhantomIR is a powerful tool for military, police, and security professionals.

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Power Control



External Power



Video Out



Internal Power

SPECIFICATIONS

Optical Magnification 1x-2x nominal
 Zoom 2x (2x-4x nominal)
 Selectable Field of View:
 Wide FoV 18.6 (h) x 14.0 (v) degrees
 Narrow FoV 9.3 (h) x 7.0 (v) degrees

NETD <0.07°C
 Detection Range 900+ meters
 Operating temp. range -20°C to 49°C
 Focus range 1m to infinity
 Individual eye correction +/- 6 diopter adjustment
 Angular resolution 0.5 milliradian
 Spectral response 8 to 12 microns
 Polarity control White hot / Black hot
 Gain / Level Automatic control with enhanced image processing

Video out format SMPTE-170M (NTSC compatible) RCA jack

Continuous operating time >7 hours @ 25°C
 Acoustic signature non-detectable at 10m
 Internal power 4 lithium AA batteries
 External power Optional 12v DC, 120/240v AC

Initial start-up time <2 seconds
 Tripod attachment 1/4-20 UNC
 Weight (w/Batteries) <3.5lb (1.6 kg)
 Size (inches) 11 (L) x 7 (W) x 3 (H)
 Size (mm) 380 (L) x 178 (W) x 76 (H)
 Exterior Molded Santoprene rubber
 Environmental Water resistant, abrasion resistant

Reticle Mil-Dot, crosshair with dot, or none

Features:
 image brightness control
 digital compass (magnetic bearing)
 low battery indicator
 interpupillary adjustment
 user-selectable reticle



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