

CINDER

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THIS SLEEK, MODERN, WEAPON-MOUNTED THERMAL SENSOR IS IDEAL FOR THE NIGHT-TIME PREDATOR HUNTER. SEAMLESSLY STREAM VIDEO TO SMARTPHONE AND TABLET. DETECT AND ENGAGE TARGETS DAY OR NIGHT THROUGH VEGETATION AND POOR WEATHER CONDITIONS.

..... OVERALL FEATURES

- Rugged, durable design
- Shutterless imaging
- All Germanium Objective Lens
- Best-in-class electronics, imaging processing, and smartphone integration
- WiFi enabled; iOS & Android connectivity
- Includes picture-in-picture, up to 4x digital zoom
- Over-the-air software updates available
- Seamless integration with Google Maps for location tracking and geotagging
- Passive range estimation
- 50 Hz frame rate ideal for fast-moving targets
- Wide operating temperature range -20°C to +50°C
- Video recording with 8 GB of internal memory
- Fully configurable from smartphone, or via onboard menus
- High quality, full-color OLED display and large objective lens results in premium quality image
- Easy-to-change batteries vs. utilizing rechargeable battery pack
- Recoil-activated video
- Covered by Steiner eOptics' 2 year warranty



eOptics

STEINER
Building Europe's Best

CINDER

SPECIFICATIONS

Cinder Thermal Sensor

DETECTOR

Detector Type	320 x 240, 12 µm pixels
Spectral Band	Long wave infrared 8-14 µm
NETD	60 mK

OPTICAL CHARACTERISTICS

Focal Length	25 mm, 3x optical magnification
Focusable	Yes
Eye Relief	40 mm, adjustable diopter
Field of View	8.8° (H) x 6.7° (V)

DISPLAY

Microdisplay	Full color OLED, SVGA (800 x 600)
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IMAGING

Frame Rate	50 Hz
Digital Zoom	1-4x
Color Palettes	White Hot, Black Hot, Blues, Davfire, Fire, Greens, Jet, Reds, Viridis, Dusk, Teals, Inferno

Advanced Features

Photo	✓
Video	✓
Recoil-activated video	✓
Memory	Internal 8 GB memory
Shutterless NUC	✓
Picture-in-Picture	✓
Zoom	
Advanced Image Processing Algorithms	✓
Thermal Modes	Full, Gradient, Outline
Selective Coloring	✓
Stadiametric Rangefinder	✓

App	Both iOS and Android
WiFi	WiFi 802.11 b/g/n, H.264 and MPEG4 compression
Geotagging	Virtual waypoints, Google Maps integration

POWER SUPPLY

Battery Type	(1) User-replaceable rechargeable 18650 battery or (2) non-rechargeable CR123A batteries
Battery Operating Time	>3 hours

INTERFACE

Video Out	Via streaming to app
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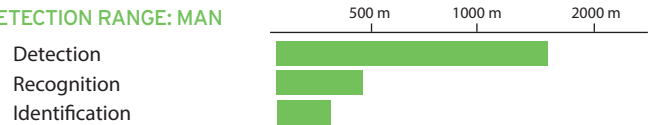
ENVIRONMENTAL

Operating Temperature	-20°C to +50°C
Water Resistance	IP64

PHYSICAL CHARACTERISTICS

Dimensions	203 x 91 x 66 mm
Weight (with 2 CR123A batteries)	716 g

DETECTION RANGE: MAN



DETECTION RANGE: VEHICLE



Range performance estimated using the Johnson Criteria.



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