

Hand Held Thermal Imaging System

Other imager has the versatility you need.
And the performance you demand.

Cairns VIPER[®]
a Division of Diversified Optical Products, Inc.





See More.

Microbolometer Technology
Ultra Wide Field of View
2-Stage Intelligent Color



Laying Down



Crawling

Ar...

180° Rotating Display

Lithium Ion Battery

- ▶ Half the weight of a NiCad!
- ▶ 90+ minute battery duration.
- ▶ No "memory effect".
- ▶ Rechargeable 500+ times.
- ▶ On-battery gage.
- ▶ AC/DC two-port charger!



Charge Indicator



2 Station Battery Charger

Quick Release Battery and Thermal Management Block Access

Constant Focus

Enables user to see from 3' to infinity in sharp focus:

- ▶ Improves situation awareness
- ▶ Improves distance judgement
- ▶ Improves navigation
- ▶ Increases safety



Ease of Operation

- ▶ One button
- ▶ No manual
- ▶ No throttling
- ▶ No on-screen

Do More.

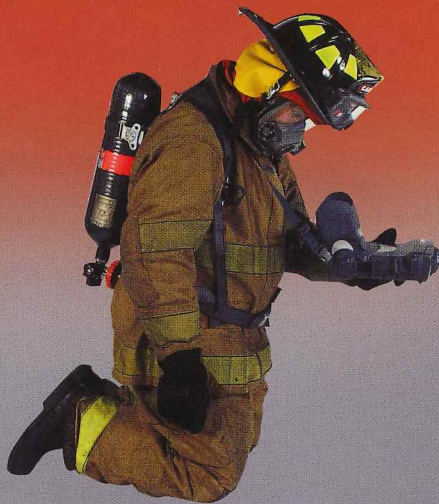
80° Rotating Display
Ease of Operation

Run More.

Super Cool
Thermal Management System
Lithium Ion Battery



Corners



Kneeling



Under Beds



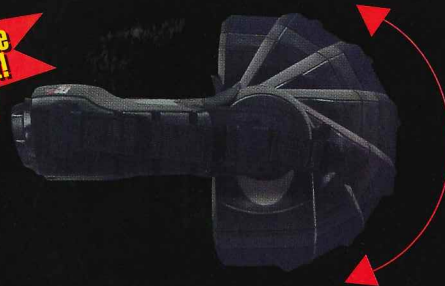
Chest

You do all these tasks quicker and without putting yours

180° Rotating Display

- Versatile feature that allows viewing from any position.
- Safely look up a loft, around a corner, or down an elevator shaft without exposing yourself to danger.

It's the only one on the market!



Rotates 180° Degrees

Super Cool Thermal Management System

- Permits REPEATED exposure to high heat environments without shutting down.

Patented Technology



Thermal Management System

Adjustable Hand Strap

Protective Bumpers

ion

Fully automatic
features
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Ultra
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Chest Level



**Elevator Shafts,
Stair Wells**

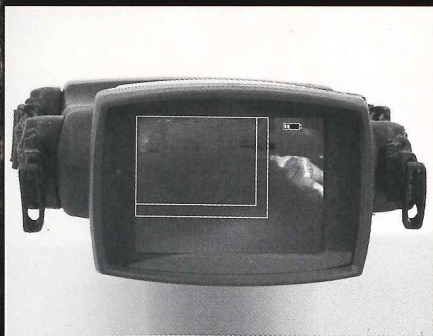


Straight Ahead



Ceilings, Lofts

yourself in harm's way.



Ultra Wide Field of View

► With a single pass, you can see over twice as much with the CairnsViper™ than you can with other handheld thermal imagers. In fact, no other handheld imager on the market today lets you do search and rescue faster, more efficiently, and more effectively.



Microbolometer Technology

Advanced Microbolometer "infrared engine" produces a truly spectacular thermal image — even when looking directly at flames.

- High resolution 320 X 240 pixels
- Full motion video — no jittering while panning
- Sensitivity better than .13°F (0.07°C)
- No artifacting or black "halos" when looking at hot objects
- Fully automatic image optimization — no manual adjustments



2-Stage Intelligent Color

Provides useful information needed to fight fires more effectively.

- Viper automatically displays the seat of the fire — burning solid materials in the color RED and SHADES OF YELLOW.

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CairnsVIPER FEATURES

- Microbolometer, 8.0 to 14.0 micron range
- Thermal sensitivity = 0.07°C (.13°F)
- 320 x 240 pixels
- Full-motion video image — no jitter (60 hz NTSC or 50 hz PAL)
- High energy displayed in red and yellow
- Ultrawide Field of View — 75° (diag.)
- Autofocus, 1m (3.28ft.) to infinity (∞)
- 180° Rotating Display
- Viewable up close or at arms length
- SCBA compatible
- High-brightness, backlit & shock mounted LCD
- Sacrificial protective window
- On-screen battery status indicators
- Slim profile for confined spaces
- Fully automatic — no controls
- Automatic image optimization
- Maintenance-free
- 5.75 lbs. nominal weight
- 90+ min. battery duration
- Lightweight, Lithium Ion battery, recharge 500+ times
- 2-station AC/DC charger
- BNC video output port
- Meets FCC and CE standards
- Extreme Heat & Flame resistant
- Vibration resistant
- Repeated impact & shock resistant
- Water resistant to 1m
- Resistant to common contaminants
- 1 Year Warranty
- Video Transmitter & Receiver
- Additional Batteries
- Additional Thermal Mgmt. Blocks
- Additional sacrificial display windows
- Additional CairnsCLEAN towlettes

The complete CairnsVIPER® Thermal Imaging System

CairnsVIPER® Microbolometer Thermal Imager,
with 180° Rotating Display
Lithium Ion Batteries- (2 included)
Dual Station Battery Charger, with AC and DC Power Cords.
SuperCOOL™ Thermal Management Blocks- (2 included)
Adjustable Kevlar® Neckstrap.
Spare, Sacrificial Display Lens
CairnsCLEAN™ Lens Wipes (pack of 12 towlettes)
User's Manual & Warranty Card
Padded, Pelican® Carry Case
Removable, Anti-Glare Display Shroud
Instructional Video



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