

THERMAL PERIMETER SURVEILLANCE

SentryPODS Viper

See heat signatures. Detect threats. Protect the perimeter.



PURCHASE ONLY

PURCHASE

\$14,958.14

NO LEASE OPTION AVAILABLE

Pricing may vary with configuration, connectivity, installation, shipping and project requirements.

19mm

THERMAL LENS

384x288

THERMAL SENSOR

19°

HORIZONTAL VIEW

Thermal Awareness in Complete Darkness.

Viper combines long-wave infrared thermal imaging, 5G connectivity and monitored power redundancy in a rugged mobile unit built to detect heat signatures when visible-light cameras may be limited.

01

Thermal Imaging

An uncooled microbolometer detects heat across the 8-14 micrometer range.

02

19 mm Lens

Athermalized optics deliver a focused 19-degree horizontal field of view.

03

Enhanced Output

Native 384x288 thermal imagery can be scaled to 768x576.

04

PoE Powered

Efficient camera operation uses 3.5 W typical and 12.95 W maximum.

05

Always Connected

Integrated 5G, Wi-Fi, GPS and four Ethernet ports.

06

Power Redundancy

AC operation with a 576Wh internal lithium-ion battery system.

TECHNICAL SPECIFICATIONS

Viper System Details

AC-powered thermal surveillance with internal battery and 5G network redundancy.

THERMAL CAMERA

TYPE	Thermal camera with 19 mm lens
SENSOR	Uncooled microbolometer, 384x288 pixels; 17 micrometer pixel size
SPECTRAL RANGE	8-14 micrometers
LENS	19 mm athermalized lens, F1.24
HORIZONTAL FOV	19 degrees
VERTICAL FOV	15 degrees
NEAR FOCUS	8.3 m (27.2 ft)
RESOLUTION	384x288 native; scalable to 768x576
CAMERA POWER	PoE: 3.5 W typical, 12.95 W maximum

CONNECTIVITY

ROUTER	5G, Wi-Fi and GPS
CARRIERS	North America, Europe and Asia Pacific
ETHERNET	4 ports
ANTENNA	7-in-1: GPS, 4 cellular and 2 Wi-Fi

POWER AND MANAGEMENT

AC INPUT	115 VAC, 60 Hz, 1.9 A
OUTPUTS	24 VDC at 6 A or 12 VDC at 6 A; backup battery terminal
ROUTER POWER	9-33 VDC; 12 VDC optimal
PROTECTION	Short-circuit and thermal-overload protection
MONITORING	Supply voltage/load, output voltage/load, temperature, AC/battery status and battery health
REPORTING	Dashboard alerts, email alerts and event log
CONTROL	8 fused 3 A outputs with local or remote control

BATTERY

CHEMISTRY	Lithium ion
CAPACITY	288 Wh per battery; 576 Wh per unit
CHARGING	29.4 VDC at 2 A
DISCHARGE	24 VDC nominal up to 15 A; 21-29.4 VDC
CYCLES	Approximately 500

ENCLOSURE AND GENERAL

ENCLOSURE	Polycarbonate, 16 x 14 x 8 in; IP66/IP68; NEMA 1, 3R, 4, 4X, 6P and 12
UNIT SIZE	32 x 14 x 8 in; 35 lb
TEMPERATURE	-20 to 60 degrees C; 0 to 50 degrees C optimal
IP RATINGS	Unit rated IP66/IP67/IP68

Configure the Viper for Your Site.

Build the right deployment around your coverage distance, connectivity, mounting and monitoring requirements.

- Select LTE, Wi-Fi or Ethernet connectivity
- Add Fortress dashboard and monitoring services
- Plan mounting, accessories and deployment support

