

VISIX™ VT Series Thermal Imager

The VISIX VT Series Thermal Imager (available with 35 or 56 degree arrays) allows you to see where you never could before. When using high-contrast thermal imaging for object tracking, the results are a dramatic reduction in false alarms. Unlike standard thermal imagers, the VT Series Thermal Imager provides the advantage of alarm generation, object verification and equipment monitoring. This tiny but powerful thermal imager is not affected by changes in lighting, low-contrast scenes or inclement weather, and no illumination is required.

The embedded analytics use algorithms that automatically self-adjust, allowing the user to concentrate on the object detection rules. This greatly simplifies the analytics setup process. These advanced analytics, coupled with thermal technology allow for object classification, direction, people counting, dwell times, video alarm verification, retail traffic flow, queue management and occupancy counts. The ability to utilize the camera's temperature monitoring thresholds allows for easy monitoring of generators, electrical panels, etc... to proactively notify a customer of an overheating or runaway condition providing an effective way to manage and preserve assets and security. The VX-VT's application versatility means it can be leveraged by any business, of any size.

The imager is compatible with the VIGIL Software Suite including VIGIL Client, VIGIL VCM and the View Lite II mobile app. Simple plug-and-play installation allows for access using a standard web browser, VIGIL Client, or your mobile device or tablet.



Key Features and Benefits

Frame Rate	9 fps
Compression	H.264, MJPEG
Two-Way Audio	✓
On-Camera Storage	Up to 128GB
Alarm I / O	1 / 2
Weather Resistance	IP66
Base Analytics	✓
Advanced Analytics	✓
Array Size	<ul style="list-style-type: none">35° - 206x15656° - 320x240
Lens	4mm Fixed

Typical Use Cases



**DEALERSHIPS &
RENTAL YARDS**



INDUSTRIAL



**WAREHOUSE &
DISTRIBUTION**



**MULTI-
TENANT**

What's in the Box

Template Sheet
Torx Wrench
Waterproof Cap & Gasket
Screws & Anchors
Test Video Cable

Camera

Image Sensor	12 μm Uncooled Sun-Safe Vanadium Oxide Microbolometer
Spectral Response	7.8 ~ 14μm
Lens	4mm Fixed
Range*	Detection: 250 Ft / 76.2 M Recognition: 150 Ft / 45.72 M Identification: 50 Ft / 15.24 M
Angle of View	35°, 56° (depending on model)
Day / Night	Thermal
Remote Focus	No
Detection Temp Range	-40°C ~ 330°C (-40°F ~ 626°F)

* Stated ranges are for Human object classification. Ranges will vary based on object classification criteria.

Compression Standard

Video Compression	H.264, MJPEG
Dual Streams	Yes

Image

Max Image Resolution	VX-VT-35: 206x156 VX-VT-56: 320x240
Frame Rate	9fps
Image Orientation	Flip / Mirror / Corridor Mode (-90°, +90°)

Functions

Alarm Triggers	Motion Alarm, Network disconnect, Temp. critical
Audio Compression	G.711
Security	HTTPS(SSL), IP filtering, 802.1x, Digest Authentication
Protocols	HTTP, Qos Layer 3 DiffServ, TCP/IP, HTTP, HTTPS, FTP, UDP/IP, RTSP, RTCP, RTP/UDP, RTP/TCP, mDNS, UPnP, SMTP, DHCP, DNS, DDNS, NTP, IPv4, SNMPv1/v2c/v3(MIB-II), IGMP, ICMP
System Compatibility	ONVIF (Profile S)
Product Support	3xLOGIC (VIGIL), Aimetis, Alnet, Artec, Avigilon, Digi-IT, Emstone, Exacq, Genetic, Getebruck, GVD, LuxRiot, Milestone, Mirasys, Nuuo, ONSSI, Seetec, SmartStation, Wavestore, Win4Net

Electrical

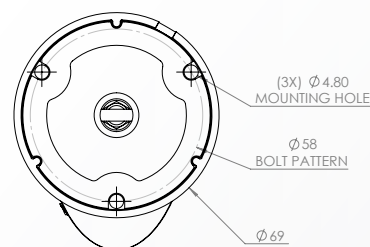
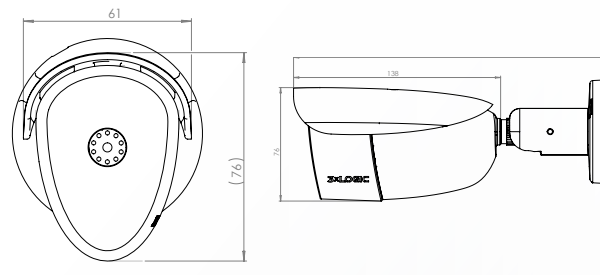
Power Supply	DC12v or POE IEEE 802.3af
Power Consumption	DC12V Max 8.6W

Physical

Op. Conditions	-40 ° C - 59 ° C (-40 ° F - 138°F)
Humidity	85% max - non condensing
Weather Rating	IP66
Dimensions	8.23 (L) in x 2.4 (W) in x 2.99 (H) in 209 (L) mm x 61 (W) x 76 (H) mm
Weight	1.4 lb / 621 g

Warranty

Three (3) years



Part Number

VX-VT-35	35° FoV Exterior Thermal Bullet w/ Advanced Analytics
VX-VT-56	56° FoV Exterior Thermal Bullet w/ Advanced Analytics
VX-VT-35-S128	Add All-in-One functionality with 128GB SD Card
VX-VT-56-S128	Add All-in-One functionality with 128GB SD Card

Interface

Communication	RJ45(10/100BASE-T)
Alarm Input	1
Alarm Output	2
Audio Input	1-channel microphone input, cable (mic-in/line-in)
Audio Output	1-channel audio interface

Mounts

Universal Mount	Built-In
VX-JB-BJC07	Junction Box

Analytics

Base (included): <ul style="list-style-type: none"> ■ Detection Zones: Polygons and Lines ■ On-screen Display: Real-time Display of Tracking ■ Image Stabilization ■ Change of Scene Detection ■ Temp Monitoring for Equipment Control 	Advanced (included): <ul style="list-style-type: none"> ■ Size-based Object Classification ■ Detection Behavior; Direction, Stopping, Entering, Exiting, Appear and Disappear Filters ■ Speed Filters ■ Above / Below Temp Detection ■ Slope Rate temp Detection
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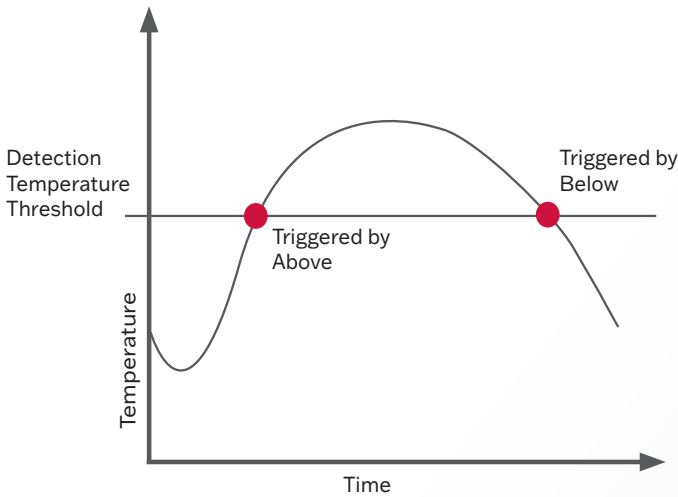
Certifications / Compliance

FCC Part 15, Subpart B, Class A
CAN ICES-3 (A)/NMB-3(A)
UL and ULC Safety
CE
NDA A Compliant

Equipment Monitoring

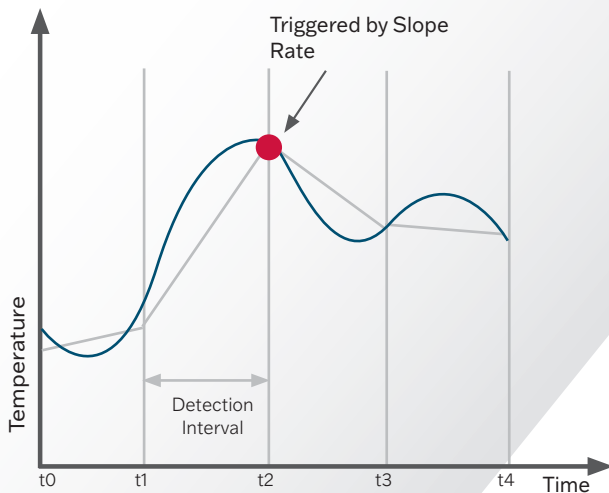
Temperature Detection - Above / Below:

Generate an event when temperature is higher/lower than set threshold

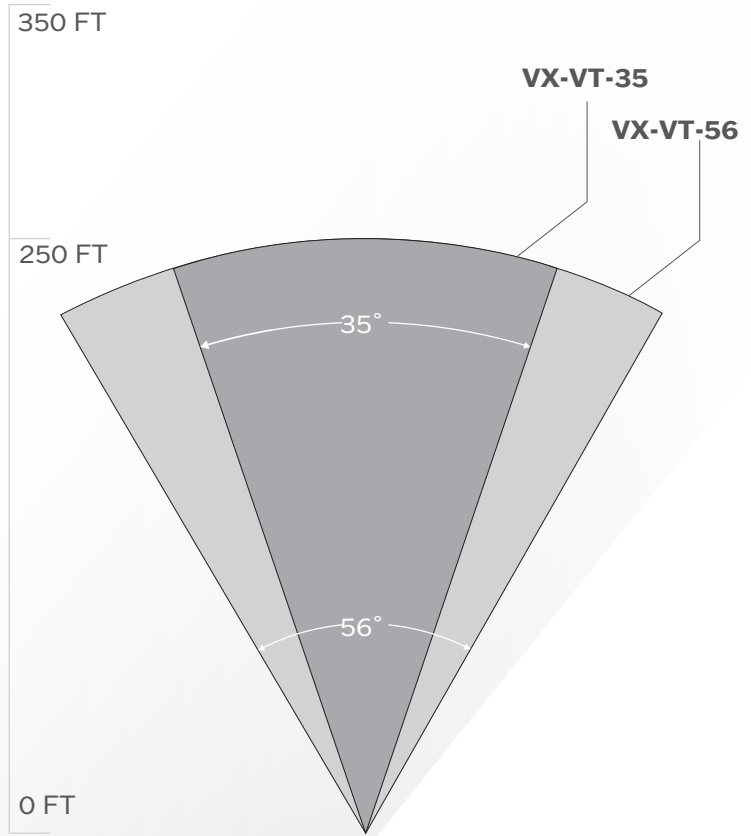


Temperature Detection - Slope Rate:

Generate an event when temperature is raising or lowering at a defined ratio and interval.



Detection Range Info



	Human (Object Class)
Detection	56°/35°: 250ft / 76.2 M
Recognition	56°/35°: 150ft / 45.7 M
Identification	56°/35°: 50ft / 15.2 M