

VERA THERMAL IMAGER



VISIX™ VERA Thermal Imager

The VERA thermal camera allows you to see where you never could before. When using high-contrast thermal imaging the results are a dramatic reduction in false alarms. Unlike standard thermal imagers, VERA provides the advantage of alarm generation and object verification in an all-in-one device. This tiny but powerful thermal imager is not affected by changes in lighting, low-contrast scenes or inclement weather, and no illumination is required. Easy setup and integration using our QR code makes this a perfect imager for any application.

The embedded analytics use algorithms that automatically self-adjust, allowing the user to concentrate on the detection rules. This greatly simplifies the analytic setup process, requiring only a few mouse clicks to configure a detection rule. 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.

When enabled, the embedded VIGIL Server software allows the imager to be run as a stand-alone device recording video to the on-board memory card. This makes the imager compatible with the VIGIL Software Suite including VIGIL Client, VIGIL VCM, View Lite II and VIGIL Cloud applications. Simple plug-and-play installation allows for access using a standard web browser, VIGIL Client, or your mobile device or tablet using our easy to use QR code quick setup.



| Key Features and Benefits | |
|---------------------------|--|
| Array Size | 206x156 |
| Frame Rate | 7 fps (320x240) |
| Compression | H.264/MJPEG |
| Lens | 6.8mm Fixed (VX-VT-20) 4mm Fixed (VX-VT-36) |
| On-board Storage | + |
| Standard Analytics | ✓ |
| Advanced Analytics | + |
| Two-Way Audio | ✓ |
| Alarm Input/Output | 1/2 |
| Outdoor | IP66 |
| ONVIF/PSIA Compliant | ✓ |
| Warranty | 3-Year |

+ Optional Component

IMAGER

| | |
|-------------------------------------|---|
| Image Sensor: | 12 μ m Uncooled Sun-Safe Vanadium Oxide Microbolometer |
| Spectral Response: | 7.8 ~ 14 μ m |
| Lens | VX-VT-20: 6.8mm Fixed VX-VT-36: 4mm Fixed |
| Range | VX-VT-20: Detection: 350 Ft / 106.68 M Recognition: 250 Ft / 76.2 M Identification: 50 Ft / 15.24 M VX-VT-36: Detection: 250 Ft / 76.2 M Recognition: 150 Ft / 45.72 M Identification: 50 Ft / 15.24 M |
| Day/Night: | Thermal |
| Remote Focus: | No |
| Angle of View: | 20° or 36° (depending on model) |
| Detection Temperature Range: | -40°C ~ 330°C (-40°F ~ 626°F) |

COMPRESSION STANDARD

| | |
|---------------------------|--------------|
| Video Compression: | H.264, MJPEG |
| Dual Streams: | Yes |

IMAGE

| | |
|---------------------------|--|
| Array Size: | 206x156 |
| Frame Rate: | 7 fps (320 x 240) |
| Image Orientation: | Flip / Mirror / Corridor Mode (-90°, +90°) |

FUNCTIONS

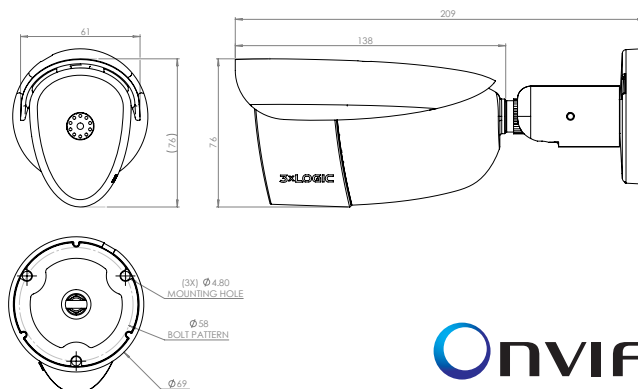
| | |
|------------------------------|---|
| Local Storage: | Built-in Micro SD (SD/SDHC/SDXC) up to 8GB |
| Security: | Multi-level access with password protection |
| Protocols: | HTTP, Qos Layer 3 DiffServ, TCP/IP, HTTP, HTTPS, FTP, UDP/IP, RTSP, RTCP, RTP/UDP, RTP/TCP, mDNS, UPnP, SMTP, DHCP, DNS, DDNS, NTP, IPv4, SNMPv1/v2c/v3(MIB-II), IGMP, ICMP |
| System Compatibility: | ONVIF Profile S |
| Product Support: | Aimetis, Alnet, Artec, Avigilon, Digi-IT, Emstone, Exacq, Genetic, Getebruck, GVD, LuxRiot, Milestone, Mirasys, Nuuo, ONSSI, Seetec, SmartStation, Wavestore, Win4Net |

ELECTRICAL

| | |
|----------------------|---|
| Power Supply: | Power over Ethernet (IEEE 802.3af) 8.6W Max at DC12V |
|----------------------|---|

PHYSICAL

| | |
|-----------------------------|---|
| Working Temperature: | -40°C ~ 59°C (-40°F ~ 138°F) Humidity 85% max - non condensing |
| Weather Protection: | IP66 |
| Dimensions (inches): | 8.23 (L) in x 2.4 (W) in x 2.99 (H) in |
| Dimensions (mm): | 209 (L) mm x 61 (W) x 76 (H) mm |
| Weight: | 1.4 lb / 621 g |



INTERFACE

| | |
|-----------------------|--|
| Communication: | 1 RJ45 10M/100M Ethernet port |
| Audio Input: | 1-channel microphone input, cable (mic-in/line-in) |
| Audio Output: | 1-channel audio interface |
| Alarm Input: | 1 |
| Alarm Output: | 2 |

STANDARD ANALYTICS (INCLUDED)

- Detection Zones: Multi-segment Polygons and Lines
- On-screen Display: Real-time Display of Tracking
- Image Stabilization
- Change of Scene Detection

ADVANCED ANALYTICS (OPTIONAL)

- Size-based Object Classification
- Detection Behavior; Direction, Stopping, Loitering
- Entering, Exiting, Appear and Disappear Filters
- Speed Filters

WARRANTY

Three (3) Year Parts and In-house Labor Warranty

PART NUMBERS

| | |
|------------------|---|
| VX-VT-20: | 20° FoV Exterior Thermal Bullet with Standard Analytics |
| VX-VT-36: | 36° FoV Exterior Thermal Bullet with Standard Analytics |
| -S | VIGIL Server Stand-Alone Software License with 8GB SD Storage |
| -AS | Advanced Analytics License and Server Stand-Alone License |
| -A | Advanced Video Analytics |

The Advanced Analytics and Stand-Alone Server features can easily be added to the imager after installation. Contact your 3xLOGIC Representative for details.

| | Cloud Access | Cloud Maint. | Internal Storage | Mobile App | Analytics | QR Code | ONVIF |
|------------------|--------------|--------------|------------------|------------|-----------|---------|-------|
| 3xLOGIC | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Flir Mini Bullet | | | | | | | ✓ |
| Flir Bullet | | | | | | | ✓ |
| Axis | | | ✓ | | | | ✓ |

Thermal Imager Cost-Benefit Analysis

