3xLOGIC

VIGIL Small Business Kit
Product Summary and Specifications

Simple. Secure. Scalable.

3xLOGIC VIGIL™ Small Business Surveillance Kit

Featuring an 8 or 16 channel system with 8 included bullet (VX-SMBK-B-IW) and/or dome cameras (VX-SMBK-D-IW), the 3xLOGIC VIGIL Small Business Surveillance Package provides an affordable, professional grade surveillance system perfect for small businesses. Designed for maximum value and ease of use, the Small Business Package includes all the features and capabilities a business owner needs for security and peace of mind:

V250-16 NVR | Rev IV

Key Features

- **High Definition Video**
- **View Anytime, Anywhere w/ 3xLOGIC's Free Mobile View Lite II App (Available for iOS and Android)**
- **Motion-Activated Recording with Push Notifications**
- **8x IP67 Indoor / Outdoor Rated Cameras**
- **Event / Tamper Alerts**
- **Alarm Capability**
- **Large Storage Capacity**
- **Easy Video Review w/ VIGIL Client**
- **Public View Monitor Support w/ VIGIL HD Viewer**
- **150+ Supported POS / ATM Integrations**
- **Seamless Compatability with the Full 3xLOGIC VIGIL Suite of Tools and Utililties.**

VX-SMBK-B-IW

VX-SMBK-D-IW

Part Numbers	What's Included
V250-8-SMBK-4B4D-02 **V250-8-SMBK-8B-02** **V250-8-SMBK-8D-02**	▪ V250-8 Series Rev IV NVR appliance with 2TB pre-installed video storage, 8 port PoE switch built-in and 8 IP camera licenses. ▪ Your choice of 8 Cameras: ▸ **4B4D** - 4 Dome and 4 Bullet ▸ **8B** - 8 Bullet Cameras ▸ **8D** - 8 Dome Cameras ▪ Mouse ▪ Keyboard ▪ Quick Setup Guides
V250-16 SMBK-4B4D-4TB-02 **V250-16 SMBK-8B-4TB-02** **V250-16 SMBK-8D-4TB-02**	▪ V250-16 Series Rev IV NVR appliance with 4TB pre-installed video storage, 16 port PoE switch built-in and 8 IP camera licenses (with ability to expand to an additional 8 camers with separate license and camera purchase). ▪ Your choice of 8 Cameras: ▸ **4B4D** - 4 Dome and 4 Bullet ▸ **8B** - 8 Bullet Cameras ▸ **8D** - 8 Dome Cameras ▪ Mouse ▪ Keyboard ▪ Quick Setup Guides

SMBK Package - Pt.2 - NVR Information

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VIGIL™ V250 Series NVR Rev IV

VIGIL™ V250 Series Network Video Recorders (NVR) are fully-integrated intelligent video appliances. Pre-configured with VIGIL Video Management System (VMS) software, these 1U NVRs represent a cost-effective video management platform that provides all the key functionality of VIGIL VMS with unrivaled ease of setup.

Single Solution

The V250 design provides all the network components required to deploy your VMS. Not only are alarm, serial, and audio inputs built-in, this series includes 8 or 16 emedded PoE ports for your IP devices.

Your Video - Anytime, Anywhere

VIGIL's exclusive MULTIVIEW Technology and its revolutionary RapidStream™ video compression engine, enable users to remotely stream and view high-definition video with minimal impact on network bandwidth.

Integrates with Your Business

Monitor your business with an integration to a wide variety of data sources including Point-of-Sale, ATM, access control, alarms, and audio devices. This data can be tied to video, made searchable, and generate alarms based on specific criteria.

Extensive Additional Features and Easy Setup

VIGIL™ V250 Series NVRs feature many built-in capabilities. With two-way audio, easy-to-use Smart Search, and seamless integration to the V-Series VISIX™ camera line for video analytics you have the information you need, at your fingertips. Also designed for simple setup, the V250 Series includes a setup wizard to allow those with no IP video experience to set up their DVR and start recording and viewing video. The wizard also provides plug-and-play capability with VISIX™ and ONVIF-S cameras, with support for VIGIL Connect for easy access.

3xLOGIC Support Environment

A USB drive containing the 3xLOGIC Support Environment is connected within the V250 chassis. Accessing the environment is as easy as booting to the recovery drive. The Support Environment allows for Windows images to be taken or applied as well as providing access to multiple diagnostic and support tools to help users or 3xLOGIC support troubleshoot any possible issues with the NVR.

Part Numbers	
V250-8-2TB-02	V250 Series appliance with 2TB video storage , 8 port PoE switch built-in and 8 IP camera license
V250-8-4TB-02	V250 Series appliance with 4TB video storage, 8 port PoE switch built-in and 8 IP camera license
V250-16-02	V250 Series Appliance (no HDD included), 16 port PoE switch built-in and 16 IP camera license
Optional Components	
VGL-SW-SVR-POS	VIGIL Server POS License, single (1) server, multi point-of-sale terminals
VGL-SW-SVR-PANA	VIGIL Server 360 Dewarping License, single (1) camera. This license is required for any non-3xLOGIC brand 360 cameras.

Key Features

- Rackmount or desktop
- Pre-configured with VIGIL VMS Software
- MS Windows Embedded 10 Standard OS
- 8GB Ram
- 8 / 16 X dedicated RJ45 10 M / 100 Mbps PoE ports for Network IP devices
- 2x dedicated RJ45 10M / 100M/ 1000Mbps NIC
- 4 Alarm In, 2 Alarm Out
- 1x RS -232 serial port
- 2 x 2.0 USB port
- 2 x 3.0 USB port
- HDMI Video Output
- VGA Video Output

Server

Memory:	V250-8-2TB: 8GB, V250-16: 8GB
Video Output:	1, HDMI (1920X1080)
	1, VGA (1920X1080)
Keyboard and Mouse:	Included
CPU:	Intel Celeron @2.3 GHz

Storage

Storage Capacity:	V250-8-2TB: 2TB (14TB Max), V250-8-4TB (16TB Max*),
	V250-16: No HDD Included (24TB Max)
Drive Type:	3.5" SATA HDD
Hard Drive Weight:	2TB: 1.32LB / 0.6kg, 4TB: 1.39LB / 0.63kg, 10TB: 1.43LB / 0.65kg,
	12TB: 1.46LB / 0.66kg

IP Camera Support

Camera Inputs:	V250-8: 8 channels
	V250-16: 16 channels
Max MP Support:	64MP

Audio Support

Audio In:	1, 1/8" audio jack in
Audio Out:	1, 1/8" audio jack out

External Interface

Network Interface:	2, RJ45 10M/100M/1000Mbps self adaptive ethernet interface
Camera Interface:	8/16 (dependant on model) RJ45 10M/100Mbps self adaptive ethernet
USB Interface:	3, USB 2.0
	2, USB 3.0
Serial Interface:	1, RS-232
Alarm Interface:	4, Alarm Input
	2, Alarm Output

Monitor Outputs

1 HDMI, 1 VGA, 1 DVI-D

Pre-Loaded Software

Video Management:	VIGIL Video Management System (VMS) Software
Operating System:	Microsoft Windows 10 Embedded

Environmental

Operating Temperature:	32 ° to 113 ° Fahrenheit / 0 ° to 45 ° Celsius

Warranty

Hardware Warranty:	3 years
Software Subscription:	3 years (included)

346.5

45   440

Unit : mm

Electrical

Voltage:	100V~240V, 50/60HZ
Power Rating:	250 W Max

Physical

Weight Excluding Hard Drives (lbs/kg):	V250-16: 11.2LB / 5.0kg,
	V250-4/8: 9.7lb / 5.0g
Dimensions:	1U
	Width (inches/cm): 17.323 in. / 440mm*
	Depth (inches/cm): 13.583 in. / 346.5 mm
	Height (inches/cm): 1.75 in. / 45 mm
	*Without rack mount ears.

Part Numbers

Model:	Description:
V250-8-2TB-02:	V250 Series appliance with 2TB video storage , 8 port PoE switch built-in and 8 IP camera license
V250-8-4TB-02:	V250 Series appliance with 4TB video storage, 8 port PoE switch built-in and 8 IP camera license
V250-16-02:	V250 Series Appliance (no HDD included), 16 port PoE switch built-in and 16 IP camera license

Optional Components

Part Number:	Description:
VGL-SW-SVR-POS:	VIGIL Server POS License, single (1) server, multi-point-of-sale terminals
VGL-SW-SVR-PANA:	VIGIL Server 360 Dewawrping License, singe (1) camera. This license is required for any non-3xLOGIC brand 360 cameras.

SMBK Package - Pt.3 - Camera Information

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3xLOGIC
NETWORK CAMERAS | VISIX

VISIX 4MP, Fixed 4mm Lens, Indoor/Outdoor Mini-Bullet with IR, True WDR, IP67 rated

This 4 megapixel indoor/outdoor IP camera from 3xLOGIC was engineered to provide high-definition video in changing or challenging lighting conditions. With its active IR sensors and infrared cut filter, this camera excels in low-light situations. The camera provides dual-streaming high-definition video at a full 1920 x 1080 pixels for video surveillance applications requiring superior clarity and image detail. The VX-SMBK-B-IW is packed with all the features you might need for nearly any application including low-light day/night functionality; IP66 Weather-Resistance and compatibility with a wide variety of standardized network protocols.

This aesthetically-pleasing mini-bullet camera allows unobtrusive and easy installation in a wide variety of areas. In addition, this camera is designed to continue functioning at top performance at temperatures as low as -20°C (-4° F) and as high as 50°C (122° F) allowing a wide range of applications. Comes standard with a 4mm lens providing support for most applications. The progressive scan image sensor delivers excellent image quality in challenging and ever-changing lighting conditions.

Dual-streaming compression permits recording at the highest quality while allowing fast live viewing from anywhere in the world regardless of available bandwidth. In addition, with full support for both variable bit rate and variable frame rate, the quality of each stream can be matched to available bandwidth for the most effective video quality possible.

When coupled with the VIGIL Series of digital video recorders and Video Management System (VMS) software from 3xLOGIC, superior point-to-point hardware compression and decompression allows for maximum performance of streamed live video providing better video quality, more concurrent streams and a lower overall hit to CPU performance.

Typical Use Cases

SMALL/MEDIUM BUSINESS

FINANCE & BANKING

HOTEL & RESTAURANT

Key Features and Benefits

Resolution	**4 MP (2592 x 1944)**
Frame Rate	**20 fps**
Lens	**4mm Fixed**
WDR (True)	**120 dB**
Built-in IR	**Up to 50m**
Outdoor	**IP66**
Warranty	**4-Year**
Base Analytics	✓

What's in the Box

Template Sheet
Torx Wrench
Waterproof Cap & Gasket
Screw & Anchor
Test Video Cable
Moisture Absorber & Guide

Camera

Image Sensor	1/2.8" 5.14M CMOS (Sony Starvis)
Lens:	4.0mm, F2.0, Fixed
Motorized?	No
Angle of View	D:95.1°, H:81.0°, V:43.1°
Min Illum	0.16Lux, 0Lux with IR (F2.0)
IR Range	50m
Shutter Time	1/15 ~ 1/32000
Day/Night	TDN (True Day & Night)
WDR	WDR - 120dB

Compression Standard

Video Compression	H.264, H.265, MJPEG
Bit Rate	100Kbps ~ 10Mbps
Video Streams	1440p30 + 480p30 with H.264, H.264 + MJPEG

Image

Max Image Resolution	2560 x 1440
Frame Rate	20fps

Functions

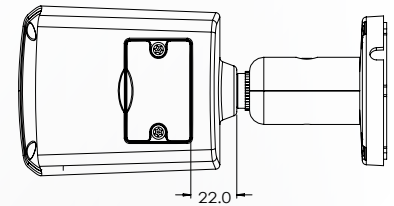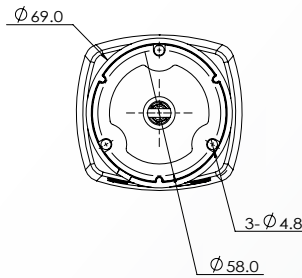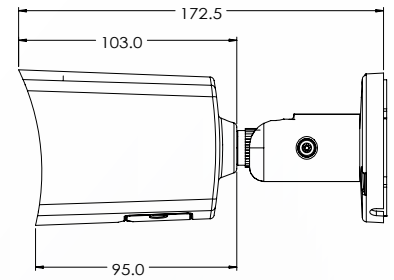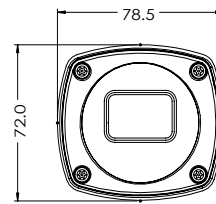|	
Base Analytics	Tamper Detection, Presence Filters (Advanced Motion), Object Tracker, Network Disconnection, Temperature Critical
Security	HTTPS(SSL), IP filtering, 802.1x, Digest Authetication
Protocols	TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF
System Compatibility	CGI API, ONVIF (Profile S)

Physical

Operating Conditions	-20°C ~ 50°C (-4°F ~ 122°F)
Humidity	10–90% RH (non–condensing)
Weather Proof Rating	IP67
Housing Material	Aluminum
Dimensions (D x H)	78.5mm x 72.0mm x 174.0mm
Weight	0.66kg
Local Storage	128GB Max. Micro SD / SDHC / SDXC

Electrical

Power Supply	DC DC12V / POE IEEE 802.3af (Adaptor is not included)
Power Consumption	DC12V Max 7.2W PoE Max 7.7W

Certifications and Compliance

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

Unit : mm

ONVIF

Interface

Communication	RJ45 (10/100BASE-T)

Part Number

VX-SMBK-B-IW	Base Camera
VX-SMBK-B-IW-A	Add Advanced Analytics License *

Warranty

Four (4) years

Recommended Mounts

Universal Mount	Included
VX-JB-BJC07	Junction Box
VX-POLE-BP07	Pole Mount

* NOTE: - A advanced analytics license can be added to a Base Camera at any time to unlock advanced analytics functionality. Speak to a 3xLOGIC Sales Associate for more info.

VISIX 4MP, Fixed 4mm Lens, Indoor/Outdoor Mini-Dome with IR, WDR, IP67, IK10

This infrared four (4) megapixel IP camera is the perfect combination of form and function providing high-definition video for network video surveillance applications requiring superior clarity and detail in varying lighting conditions.

The VX-SMBK-D-IW is packed with all the features you might need for nearly any application including: lowlight day/night functionality; IP67 weather-resistance and compatibility with a wide variety of standardized network protocols.

The convenient and aesthetically pleasing dome camera format allows for easy installation in a wide variety of areas. In addition, this camera is designed to continue functioning at top performance at temperatures as low as -20°C (-4° F) and as high as 50°C (122° F) allowing a wide range of applications.

Dual streaming allows recording at the highest quality while allowing fast live viewing from anywhere in the world regardless of available bandwidth. In addition, with full support for both variable bit rate and variable frame rate, the quality of each stream can be matched to available bandwidth for the most effective video quality possible.

When coupled with the VIGIL Series of digital video recorders and Video Management System (VMS) software, superior point-to-point hardware compression and decompression allows for maximum performance of streamed live video providing better video quality, more concurrent streams and a lower overall hit to CPU performance.

Typical Use Cases

SMALL/MEDIUM BUSINESS

FINANCE & BANKING

HOTEL & RESTAURANT

Key Features and Benefits

Resolution	4MP(2560x1440)
Frame Rate	20 fps
Lens	4mm Fixed
WDR (True)	120 dB
Built-in IR	Up to 30m
Outdoor	IP67
Warranty	4-Year
Base Analytics	✓

What's in the Box

Template Sheet	Mount Bolt & Nut
Torx Wrench	Mount Plate
Waterproof Cap & Gasket	Moisture Absorber & Guide
Screw & Anchor	
Test Video Cable	

Camera

Image Sensor	1/2.8" 5.14M CMOS (Sony Starvis)
Lens	4.0mm Fixed, F2.0
Motorized?	No
Angle of View	D:95.1°, H:81.0°, V:43.1°
Min Illum	0.16 Lux, 0Lux with IR (F2.0)
IR Range	30M
Shutter Time	1/15 ~ 1/32000
Day/Night	TDN (True Day & Night)
WDR	WDR - 120dB

Compression Standard

Video Compression	H.264, H.265, MJPEG
Bit Rate	100Kbps ~ 10Mbps
Video Streams	1440p20 + VGAp30 with H.264, H.264, H.265 + MJPEG

Image

Max Image Resolution	2560 X 1440
Frame Rate	20fps

Functions

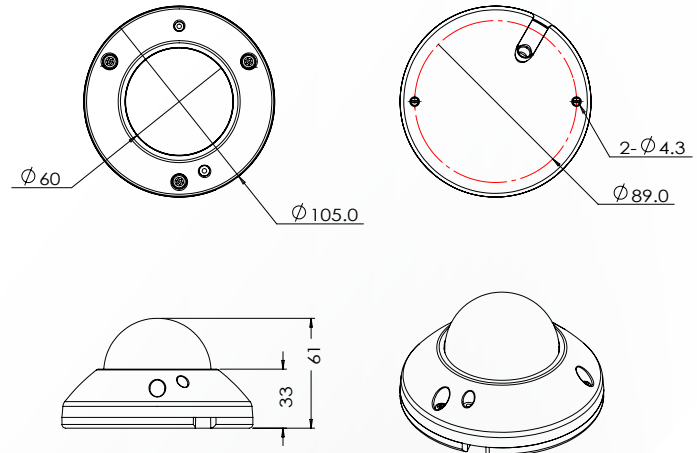|	
Base Analytics	Tamper Detection, Presence Filters (Advanced Motion), Object Tracker, Network Disconnection, Temperature Critical
Security	HTTPS(SSL), IP filtering, 802.1x, Digest Authetication
Protocols	TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF
System Compatibility	CGI API, ONVIF (Profile S)

Physical

Operating Conditions	-20°C ~ 50°C (-4°F ~ 122°F)
Humidity	10–90% RH (non–condensing)
Weather Proof Rating	IP67
Housing Material	Aluminum
Dimensions (D x H)	Ø 105 x 60.7 mm
Weight	0.30kg
Local Storage	128GB Max. Micro SD / SDHC / SDXC

Electrical

Power Supply	DC12V PoE IEEE 802.3af class2 (Adaptor is not included)
Power Consumption	DC12V Max 5.2W PoE Max 7.6W

Certifications and Compliance

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

Interface

Communication	RJ45(10/100BASE-T)
Audio In	Mic

Part Number

VX-SMBK-D-IW	Base Camera
VX-SMBK-D-IW-A	Add Advanced Analytics License *

Warranty

Four (4) years

Recommended Mounts

VX-PM-BC11	Pendant Mount
VX-WM-BW11	Wall Mount
VX-CM-BC04	Corner Mount
VX-POLE-BP04	Pole Mount
VX-GP-02	Gang Plate
VX-JB-BJC04	Junction Box

* NOTE: - A advanced analytics license can be added to a Base Camera at any time to unlock advanced analytics functionality. Speak to a 3xLOGIC Sales Associate for more info.