



## *Vigiles-NVR*

### **Surveillance Appliances with BOBBYvms Inside**

*Vigiles* is a series of products optimized for BOBBYvms™ from Cozaint®. These Network Video Recorder (NVR) appliances are control and archive platforms optimized for and preloaded with the BOBBY video management software (BOBBYvms). The NVRs scale by camera count, video bandwidth and storage requirements. A system configuration tool, *Vigiles* Configurator, automatically generates an ordering part number based on the user's application specific requirements. These appliances are highly flexible and can accommodate up to 100 cameras and storage sizes up to 100 TB. The *Vigiles-NVR* products optimize system performance, database accommodation, storage configuration and BOBBYvms camera licensing.

*Vigiles-NVR*'s can be used as single site stand alone appliances or part of a multi-site BOBBYvms installation where an authorized user can access, view and manage video in each distributed NVR. Software installation and licensing are included so that each unit is ready to go out of the box. Onsite settings like camera focus, configuration and naming as well as policy settings are simple within the BOBBYvms management tool.

*Vigiles-NVR* appliances come in three basic platforms. The V1200 series products are targeted for applications needing up to 75 Mbps of video processing. The V2200 series systems will be needed for installations requiring up to 180 Mbps of video bandwidth. And the V3200 series of enterprise class NVR's will process up to 320 Mbps. All platforms support vaults up to 100 TB and are available in Desktop or Rackmount footprints. Through the *Vigiles* Configurator a user will define the camera parameters, archive duration and NVR system requirements. The tool will provide the optimized solution for the application.

In green field installations or system upgrades, network surveillance systems like those offered by VNS are an excellent choice to meet end user's increasing demands from their security systems.

### **Applications and Features**

#### **Applications:**

- Small Retail or Office
- Residential
- Storage facilities
- Cannabis outlets
- Home Construction
- Gated Community Entrance
- Day Care Centers
- Parking Facilities
- Apartment Complexes
- Mid-size Construction Sites
- Bank branch offices
- Managed Care Facilities
- Strip Mall Retail Centers
- Manufacturing Lines
- Self-storage Lots
- Office Buildings
- Reservoirs
- Airports
- Casinos
- Municipalities
- Correctional Facilities
- Shopping Centers
- Education campuses
- Hospitals
- Ports
- Large commercial buildings
- Financial institutions
- Sports complexes



# ViSTA Networking Solutions

## Features:

- Desktop or Rack Mount Footprint
- Intel® CPU Technology
- BOBBYvms licenses pre-installed
- Flexible usable storage: 1 TB to 100 TB
- Support for up to 100 Cameras
- Camera system data rate up to 300 Mbps
- Microsoft Windows® Operating System
- Separate OS drive
- Three scalable platforms
- Supports ANY camera resolution
- TLS secure connection between server and client parts
- Remote view via mobile devices (Android, iPhone, iPad supported)
- Compatible with any webcams, analog cams, including WiFi wireless cctv cameras
- Supports IP-cameras (including H.264, H.264+, H.265, H.265+, JPEG/MJPEG, MPEG-4, Fisheye, PTZ, ONVIF, wireless cams, i.e. perfect both for wired and wireless surveillance cameras)

## Common Configurations:

- **V1205B-24028ZI**: 3.6 GHz Quad Core processor, 16 GB RAM, Desktop, BOBBYvms licenses for 24 cameras, 28 TB of raw storage, RAID 1 storage configuration and Windows IoT Operating System
- **V2205B-48042RX**: 3.3 GHz Hex Core processor, 32 GB RAM, Desktop, BOBBYvms licenses for 48 cameras, 42 TB of raw storage, RAID 5 storage configuration and Windows 10 Pro Operating System
- **V3205N-80084YK**: 2.4 GHz 16 Core processor, 64 GB RAM, Rackmount, BOBBYvms licenses for 80 cameras, 84 TB of raw storage, RAID 6 storage configuration and Windows 2019 Server Operating System





# ViSTA Networking Solutions

## BOBBYvms from Cozaint

*Vigiles-NVR* combines proven hardware with a VMS installed in thousands of sites. **BOBBYvms** is a professional-grade IP surveillance video management software (VMS) with a simple interface, flexible turnkey settings, quality integration and enterprise functionality that delivers a well-defined picture of events. Organizations with 24/7 operations depend on reliable surveillance all day, every day.

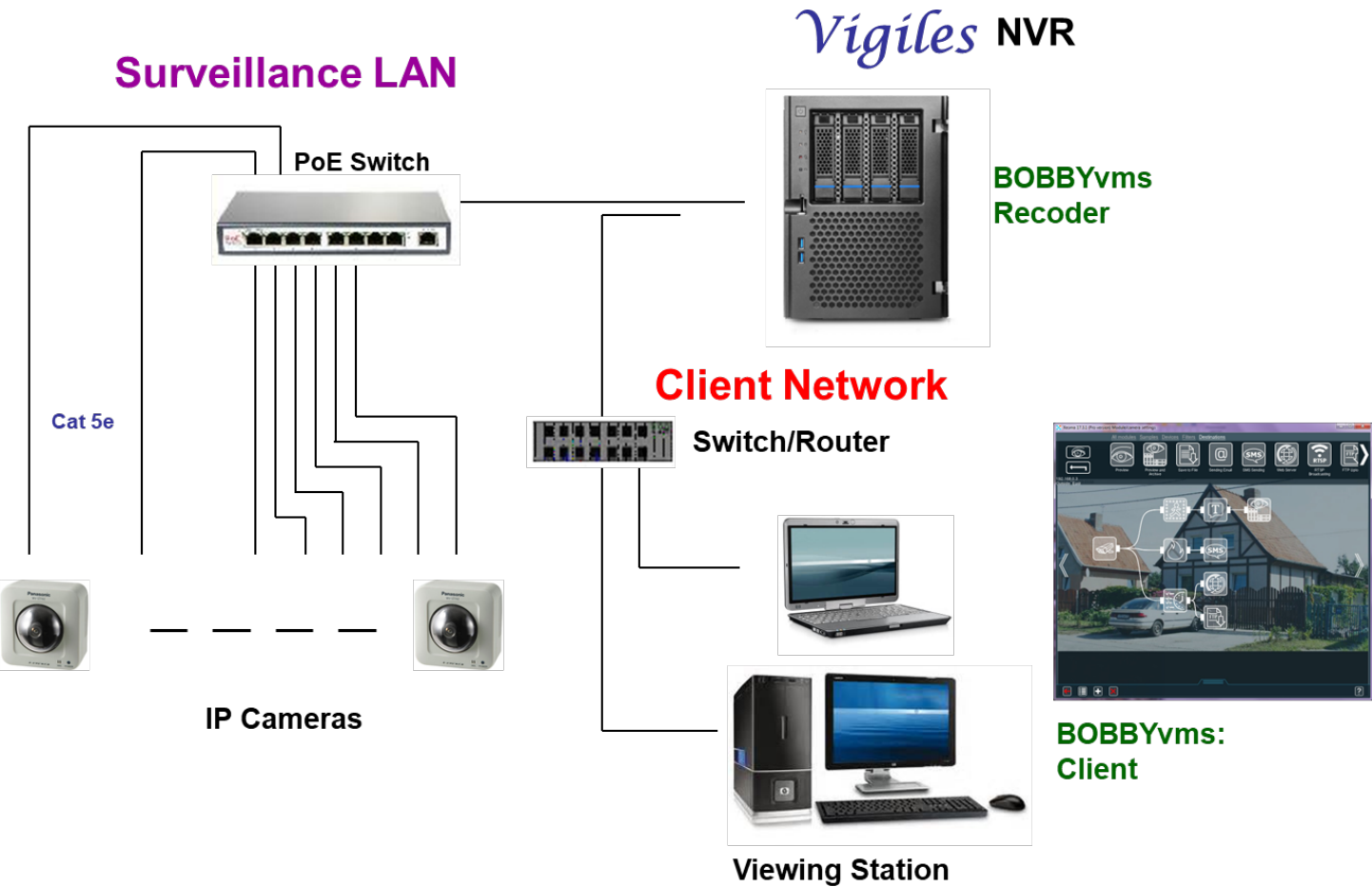
While the appliances can be used as single site fully independent solutions, *Vigiles-NVR* can take full advantage of all the capabilities of the BOBBYvms multi-site features. BOBBYvms makes professional grade video surveillance easy with intuitive and simple to use interface, quick set up and configuration time with TLS secure connections between server and client, flexible live and recording displays and remote access via mobile devices.

### Key Features:

- Supports ANY resolution camera
- Supports full 30-FPS frame rate
- PTZ touring (guard tour)
- Screen captures from all monitors simultaneously
- Adjustable sound quality and sound volume
- TLS secure connection between server and client parts
- Support for IPv4 and IPv6 addresses (cameras, client-to-server connection, etc.)
- Flexible setup of access rights (user permissions)
- Password protection of settings
- Fullscreen view
- Work with multiple monitors
- Support for PTZ control
- Notifications
- 2-Tier Archive

For more information on BOBBYvms visit the BOBBYvms webpage on the Cozaint website: <https://cozaint.com/xeoma/>.

## Vigiles System Diagram





# ViSTA Networking Solutions

## Specifications:

### SUPPLIED ACCESSORIES

Power Cable (s)	1-3 USA Standard 117VAC, 3 prongs, 6ft
Keyboard	1 Basic Keyboard
Mouse	1 USB/PS2, Scroll Wheel, 3 Button
Restore	All original installation discs
Rail Kit	Rack mount systems only

### V1200 SYSTEM

Processor	Intel® Quad Core
Internal Memory	16 GB DDR4 RAM 2666 MHz
Operating System	Windows IoT or Windows 10 Pro x64
Operating System Storage	500 GB M.2, 1 TB for Vaults larger than 50 TB
Video Archive Capacity	Up to 100 TB of SATA III Storage
RAID Level	None, 1, 5 or 6
Network Interface	2 Gigabit Ethernet RJ-45
Auxiliary Interfaces	USB 2.0 and 3.0 Ports
System Data Rate	Up to 75 Mbps

### V2200 SYSTEM

Processor	Intel® Hex Core
Internal Memory	32 GB DDR4 RAM 2666 MHz
Operating System	Windows IoT, Windows 10 Pro x64 or Windows 2019 Server w/5 CALS
Operating System Storage	500 GB M.2
Video Archive Capacity	Up to 100 TB of SATA III Storage
RAID Level	None, 1, 5 or 6
Network Interface	2 Gigabit Ethernet RJ-45
Auxiliary Interfaces	USB 2.0 and 3.0 Ports
System Data Rate	Up to 180 Mbps

### V3200 SYSTEM

Processor	Intel® 16-Core
Internal Memory	64 GB DDR4 RAM 3200 MHz
Operating System	Windows 10 Pro x64 or Windows 2019 Server
Operating System Storage	500 GB M.2, 1 TB for Vaults larger than 50 TB
Video Archive Capacity	Up to 100 TB of SATA III Storage
RAID Level	None, 1, 5 or 6
Network Interface	2 Gigabit Ethernet RJ-45
Auxiliary Interfaces	USB 2.0 and 3.0 Ports
System Data Rate	Up to 300 Mbps

### ENVIRONMENTAL

Operating	10° to 32° C (50° to 90° F), 8% to 80% (non-condensing)
Storage	-40° to 70° C (-40° to 158° F), 5 to 95% (non-condensing)



# ViSTA Networking Solutions

## PHYSICAL

### CASE A

Form Factor	Mid-Tower Desktop with 2 Internal Storage Bays
Power Supply	500 Watt
Cooling	1 rear 120mm Fan
Dimensions	(HxWxD) 18.3 x 8.25 x 18.6 in. (465 x 210 x 472 mm)
Unit Weight (gross)	Approximately 30 lbs (9.1 kg.)

### CASE B

Form Factor	Mid-Tower Desktop with 4 Hot Swappable Storage Bays
Power Supply	300 Watt
Cooling	1 x 120 mm
Dimensions	(HxWxD) 10.67 x 7.87 x 12.2 in. (270 x 200 x 310 mm)
Unit Weight (gross)	Approximately 40 lbs (18.1 kg.)

### CASE C

Form Factor	Mid-Tower Desktop with 4 Hot Swappable Storage Bays
Power Supply	650 Watt 1+1 Redundant
Cooling	1 x 120 mm (Rear) & 2 x 120 mm (Middle) Fans
Dimensions	(HxWxD) 16.7 x 8.7 x 24.4 in. (425 x 220 x 620 mm)
Unit Weight (gross)	Approximately 50 lbs (22.7 kg.)

### CASE K

Form Factor	2U Rack Mount with 2 Internal Storage Bays
Power Supply	400 Watt
Cooling	2x80mm (front) & 1x60mm, 2x40mm Fans (Rear)
Dimensions	(HxWxD) 3.5 x 19.4 x 16.6 in. (88 x 493 x 422 mm)
Unit Weight (gross)	Approximately 50 lbs (22.7 kg.)

### CASE L

Form Factor	2U Rack Mount with 4 Hot Swappable Storage Bays
Power Supply	500 Watt
Cooling	4 x 80mm (front)
Dimensions	(HxWxD) 3.5 x 16.8 x 25.6 in. (89 x 426 x 650 mm)
Unit Weight (gross)	Approximately 60 lbs (27.3 kg.)

### CASE M

Form Factor	2U Rack Mount with 4 Hot Swappable Storage Bays
Power Supply	650 Watt Redundant
Cooling	4 x 80mm (front)
Dimensions	(HxWxD) 3.5 x 16.8 x 25.6 in. (89 x 426 x 650 mm)
Unit Weight (gross)	Approximately 60 lbs (27.3 kg.)

### CASE N

Form Factor	2U Rack Mount with 8 Hot Swappable Storage Bays
Power Supply	400 Watt
Cooling	3 x 80 mm Hot-Swappable Cooling Fans
Dimensions	(HxWxD) 3.42 x 17.24 x 21.94 in. (87 x 438 x 557 mm)
Unit Weight (gross)	Approximately 65 lbs (29.5 kg.)



# ViSTA Networking Solutions

## CASE O

Form Factor	2U Rack Mount with 8 Hot Swappable Storage Bays
Power Supply	500 Watt redundant
Cooling	3 x 80 mm Hot-Swappable Cooling Fans
Dimensions	(HxWxD) 3.42 x 17.24 x 21.94 in. (87 x 438 x 557 mm)
Unit Weight (gross)	Approximately 65 lbs (29.5 kg.)

## CASE P

Form Factor	2U Rack Mount with 12 Hot Swappable Storage Bays
Power Supply	500 Watt Redundant
Cooling	3 x 80 mm Hot-Swappable Cooling Fans
Dimensions	(HxWxD) 3.42 x 17.24 x 21.94 in. (87 x 438 x 557 mm)
Unit Weight (gross)	Approximately 65 lbs (29.5 kg.)

## CASE Q

Form Factor	3U Rack Mount with 16 Hot Swappable Storage Bays
Power Supply	875 Watt Redundant
Cooling	4 x 80mm Fans
Dimensions	(HxWxD) 5.2 x 17 x 27.8 in. (132 x 432 x 655.3 mm)
Unit Weight (gross)	Approximately 65 lbs (29.5 kg.)



# ViSTA Networking Solutions

## Part Numbering:

VNS Part numbers are 14 characters.

### Platform:

V1200: Entry Level Appliance  
V2200: Mid-Range Appliance  
V3200: Enterprise Appliance

### Form Factor:

A: Mid-Tower Desktop  
B: Small Hot-Swap Desktop  
C: Pedestal Desktop with Redundant Power Supply  
D: Workstation Desktop  
E: Workstation with Redundant PS  
F: High Density Workstation with Redundant PS  
K: 2U Rack Mount Chassis  
L: 2U Rack Mount with 6 Hot Swap Drives  
M: 2U Rack Mount w/ 6 Hot Swap Drives & Redundant PS  
N: 2U Rack Mount w/8 Hot Swap  
O: 2U Rack Mount w/8 Hot Swap Drives & Redundant PS  
P: 2U Rack Mount w/12 Hot Swap Drives & Redundant PS  
Q: 3U Rack Mount w/16 Hot Swap Drives & Redundant PS

**Subscription Duration:** 1, 3, or 5

**Number of Cameras:** Quantity of cameras licensed (up to 100)

**Vault Size:** ARQvault licensed vault size in TB

### RAID Status:

S: No RAID  
R: RAID 5  
Y: RAID 6  
Z: RAID 1

### Operating System:

K: Windows 2019 Server  
X: Windows 10 Professional x64 Edition  
I: Windows IoT

## Example:

V1205B-12010ZI: Entry level NVR in a Desktop case, 12 cameras, 10TB or raw storage configured as a RAID 1 array with Windows 10 IoT.

