

3xLOGIC



VIGIL NVR-2U-96CH Recorder Series

Product Summary and Specifications

Simple. Scalable. Secure.

Product Overview

VIGIL™ Network Video Recorders (NVRs) and Hybrid Digital Video Recorders (DVRs) are the centerpiece of your security solution. Pre-configured with VIGIL Server Video Management System (VMS) software, these recording appliances are a cost-effective, enterprise-grade video management platform that is not only easy to deploy, but also easy to expand. Flexible by design, users get the system that addresses their current needs with the ability to scale to meet tomorrow's demands.



Grow with Your Customer

3xLOGIC's exclusive Flex-Channel™ licenses provide unrivaled deployment flexibility. Flex-Channel™ licenses are able to be used as either analog, HD analog, or IP camera licenses without any hassle. As analog cameras fail or a customer chooses to upgrade to high resolution IP cameras, simply unplug the analog camera to free up the license and add in the new IP camera without changing any registration or adding cost to get a new license.

Your Video, Anytime, Anywhere

VIGIL's exclusive AZTECH video compression codec and revolutionary RapidStream™ technology enable users to remotely stream live and playback video with minimal impact on network bandwidth resources. RapidStream can be used through the powerful VIGIL Client or through any of the 3xLOGIC mobile apps to give you your video anytime, anywhere.

Enterprise Functionality

All 3xLOGIC recording appliances come with full access with full to the VIGIL Software Suite. With VIGIL Server at the core and cloud-based VIGIL Connect Relay Server, video can be accessed easily from anywhere without advanced network configuration. VIGIL Client offers many advanced search features like motion-based Smart Search and time-lapsing thumbnail search, making investigations quicker and easier. Additional packages can be unlocked for advanced features like data integrations, video wall support, and centralized management and health monitoring.

RAID 5/6 Storage Support

With RAID, enjoy the peace-of-mind associated with knowing your data is safe in the event of a drive failure. The VIGIL NVR-2U-96CH series supports RAID 5 and 6 storage, opening users to the fault tolerance, security and accessibility benefits of data stored using RAID 5 or RAID 6 drive configurations.

| NVR Name | CPU | Chassis | Hybrid/Flex Channels Available | IP Channels Available | Storage Options |
|---|-------------------|-------------------------|--------------------------------|-----------------------|-----------------|
| NVR-2U-96CH | Gen 10 Intel Xeon | Compact 2U (23.3" deep) | 0 | Up to 96 | Up to 144TB |
| HVR-2U-96CH-16-HD* | Gen 10 Intel Xeon | Compact 2U (23.3" deep) | 16 | Up to 80 | Up to 144TB |
| HVR-2U-96CH-32-HD* *HD analog models support both standard and HD Analog. | Gen 10 Intel Xeon | Compact 2U (23.3" deep) | 32 | Up to 64 | Up to 144TB |

Key Features

- **Highly Efficient**
- **Versatile and compact 2U chassis**
- **Can be used in rack-mount or desktop configurations**
- **Pre-configured with 3XLOGIC's VIGIL VMS software**
- **Dedicated 256GB SSD Operating System Drive**
- **Supports 8 removable drive bays- up to 144TB of storage**
- **Dual RJ45 10/100/1000 Mbps NICs for easy network and IP camera deployment**
- **Supports HD analog recording up to 30 FPS per camera at 4CIF (704 x 480) with max analog resolution of 1080p (HD)**
- **Performance - Intel 10th Gen Xeon Architecture**
- **RS-232 serial port for external communications**
- **Front USB 3.0 port for easy event export**
- **Microsoft Windows 10 Enterprise LTSC 2021 OS**
- **IP or Hybrid Flex-Channel licenses(IP, Analog or HD Analog) included with every model. See specific model for details.**

Server

| | |
|------------------|--|
| CPU: | Gen 10 Intel W-1270E Xeon w/8 cores, 16 thread |
| RAM: | 16GB (2x 8GB) |
| NIC: | 2 X 1GBPS |
| USB: | Front - 1x USB 3.0; Rear - 4x USB 3.0 |
| Serial Port: | 1 |
| Keyboard / Mouse | Included |

Analog Cam Support

| | |
|-------------------------|---|
| Analog Camera Inputs: | Up to 32 BNC inputs (1.0Vp-p, 75Ω) |
| Video Standards: | PAL/NTSC adaptive, HD-TVI, HD-CVI, HD-AHD |
| Video Compression: | H.264, MPEG-4/part 10 |
| Max. Images per Second: | 30FPS/channel @ 4CIF (live and playback) |
| HD Analog Resolution: | Max. 1080P |
| HD Video Compression: | H.264, MJPEG |
| HD Max FPS: | 30FPS |

IP Cam Support

| | |
|--------------------------|--|
| Camera Inputs: | Up to 96 channels |
| Multi-streaming Support: | Yes |
| Video Codec Supported: | MJPEG, MPEG-4, H.264, H.264+ H.265 |
| IP PTZ Support: | Yes |
| IP Protocols: | DNS, DDNS, NTP, SNMP, RTP, RTCP, PPPoE |
| Max MP Support: | 480MP |

Audio Support

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|---------------------------|---|
| Analog Audio Inputs: | Equal to HD analog video inputs - 16/32CH |
| Audio Input Interface: | 3.5mm Output |
| Audio Compression: | OggVorbis |
| Audio Recording Bit Rate: | 16Kbps |
| IP Audio Support: | Yes |

Recording Modes

Motion, Alarm, Audio, Analytics

Monitor Outputs

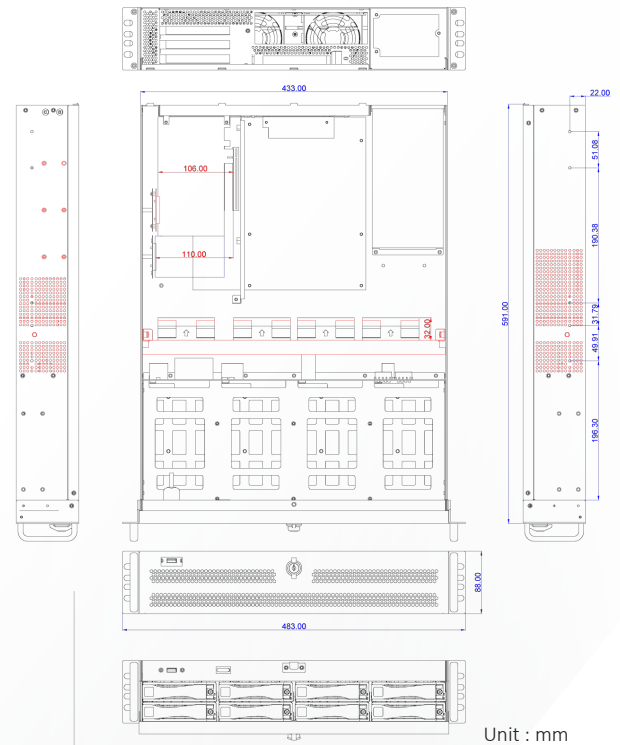
1 x D-Sub port w/ max resolution of 1920x1200@60Hz
 1 x HDMI ports, supporting a maximum resolution of 4096x2160@30 Hz
 * Support for HDMI 1.4 version and HDCP 2.3.
 1 x DisplayPorts, supporting a maximum resolution of 4096x2304@60 Hz
 *Support for DisplayPort 1.4 version, HDCP 2.3, and HDR.
 Support for up to 3 simultaneous displays

Pre-Loaded Software

| | |
|-------------------|---|
| Video Management: | VIGIL Video Management Systems (VMS) Software |
| Software Version: | Supports VIGIL Version 12 and above |
| Operating System: | Windows 10 Enterprise LTSC 2021 |

3rd-Party Integration

Access Control, Alarm, ATM, POS, Time/Attendance available



Certifications

CE, FCC, NEMKO (US and Canada), UKCA, NDA Compliant

Storage

| | |
|-----------------------|-------------------------------|
| Storage Capacity: | Up to 144TB (8x 18TB) |
| Drive Type: | SATA HDD |
| Hot-swappable Drives: | Yes, 8 removable storage bays |
| Physical OS Drive: | 256GB SSD |

Environmental

| | |
|------------------------|--|
| Operating Temperature: | 40° to 95° Fahrenheit / 4.5° to 35° Celsius |
| Storage Temperature: | 14° to 140° Fahrenheit / -10° to 60° Celsius |

Warranty

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|--------------------|---------|
| Hardware Warranty: | 3 years |
| Software Warranty: | 3 years |

Electrical

| | |
|----------|--------------------------|
| Voltage: | 115VAC/60Hz; 230VAC/50Hz |
| Wattage: | 500 W |

Physical

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|---------------------|---------------------------------|
| Weight: | 32lbs (No HDD) / 40lbs (8x HDD) |
| Width (inches/cm): | 19.015 in / 483 mm |
| Height (inches/cm): | 3.496 in / 88.8 mm |
| Depth (inches/cm): | 23.267 in / 591 mm |