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 accesssed 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 tp 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
- 16 IP or Hybrid Flex-Channel licenses(IP, Analog or HD Analog) included with every model

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

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

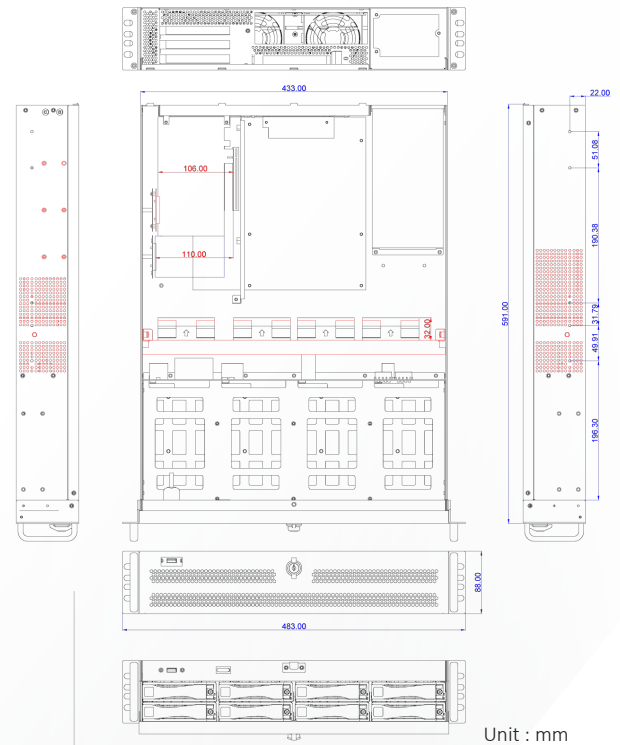Motion, Alarm, Audio, Analytics

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 simultaenous 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

Unit : mm

Certifications

CE, FCC, NEMKO (US and Canada), UKCA, NDAA 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

Hardware Warranty:	3 years
Software Warranty:	3 years

Electrical

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

Physical

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

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