

**3xLOGIC**



**VIGIL**

**NVR-2U-16CH/24CH(Hybrid)  
Recorder Series**

Product Summary and Specifications

Simple. Scalable. Secure.

## Product Overview

VIGIL™ Network Video Recorders (NVRs) and Hybrid Digital Video Recorders (HVRs) 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 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.

NVR Name	Processor Options	Chassis	Hybrid/Flex Channels Available	IP Channels Available	Storage Options
<b>NVR-2U-16CH</b>	Gen 10 Intel Celeron	Compact 2U (11" deep)	0	Up to 16	Up to 54 TB
<b>HVR-2U-16A8IP</b>	Gen 10 Intel Celeron	Compact 2U (11" deep)	16	Up to 8	Up to 54 TB

Note- Storage available in 2TB to 18TB per Bay (3 bays available).

## 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 128GB SSD Operating System Drive
- Supports 3 removable drive bays- up to 54TB of storage
- Dual RJ45 10/100/1000 Mbps NICs for easy network and IP camera deployment
- Hybrid model supports analog recording up to 30 FPS per camera at 4CIF (704 x 480)
- Performance - Intel 10th Gen Celeron Architecture
- RS-232 serial port for external communications
- Front USB port for easy event export
- Microsoft Windows Embedded 10 Standard OS

## Server

CPU:	Gen 10 Intel Celeron
RAM:	8GB
NIC:	2 X 1GBPS
USB:	1 Front USB 2.0; 6 Rear - 4x USB3.0
Serial Port:	1
Keyboard / Mouse	Included

## Analog Cam Support

Analog Camera Inputs:	Up to 16 BNC inputs (1.0Vp-p, 75Ω)
Video Standards:	PAL/NTSC adaptive
Analog Resolution:	4CIF (704 X 480)
Video Compression:	H.264, MPEG-4/part 10
Max. Images per Second:	30FPS/channel @ 4CIF (live and playback)

## IP Cam Support

Camera Inputs:	Up to 16 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:	64MP

## Audio Support

Analog Audio Inputs:	Equal to analog video inputs
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 port, w/ max resolution of 1096x2160@60Hz
- \*Support for HDMI 2.0 version, HDCP 2.2, and HDR.
- 1 x DisplayPort w/ max resolution of 4096x2304@60Hz
- \*Support for DisplayPort 1.4 version, HDCP 2.3, and HDR.

**NOTE:** Monitor should only be utilized for system setup and service / troubleshooting and not continuous live view.

## Pre-Loaded Software

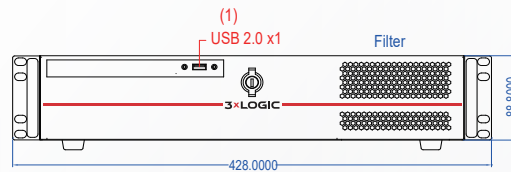
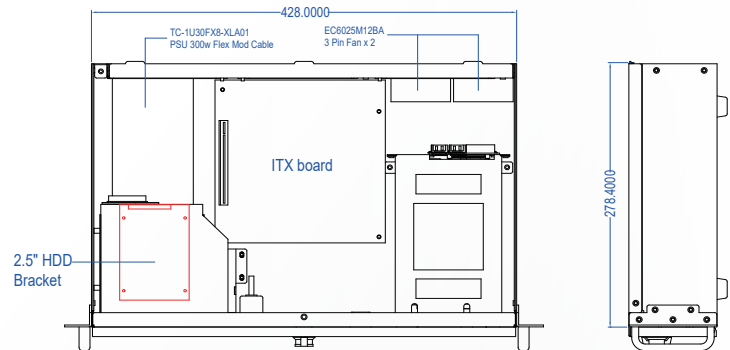
Video Management:	VIGIL Video Management Systems (VMS) Software
Software Version:	Supports VIGIL Version 7.5 and above
Operating System:	Windows 10 Enterprise LTSC 2019

## 3rd-Party Integration

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

## Certifications

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



Unit : mm

## Storage

Storage Capacity:	Up to 54TB
Drive Type:	SATA HDD
Hot-swappable Drives:	Yes, 3 removable storage bays
Physical OS Drive:	128GB 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:	300 W

## Physical

Weight:	17.0 lbs / 7.7 kg
Width (inches/cm):	16.85 in / 428 mm
Height (inches/cm):	3.375 in / 88.8 mm
Depth (inches/cm):	3.49 in / 278.4 mm