

# VIGIL NVR-2U-96CH

## 96-CHANNEL NETWORK VIDEO RECORDER W/ HYBRID (IP OR ANALOG) CAMERA SUPPORT

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.



### Key Features

- » Versatile and compact 2U chassis; rackmount or desktop configuration
- » Preconfigured with 3xLOGIC’s VIGIL VMS software and a dedicated 256GB SSD OS Drive
- » Support for 8 removable drive bays - Up to 144TB of Storage
- » Dual NICs for Easy Network and Camera Deployment
- » NDAA Compliant
- » RAID 5 / 6 Storage Support (Windows OS Models Only)
- » Intel 10th Gen Xeon Architecture Performance
- » RS-232 Serial Port for External Communications and Front USB 3.0 Port for Easy Event Export
- » MS Windows 10 Enterprise LTSC 2021 or Linux Debian 11 OS (Non-Hybrid Only)
- » IP or Hybrid Flex-channel Licenses (IP, Analog or HD analog) included with every model. See specific models details below.
- » Supports HD Analog Recording up to 30FPS Per Camera at 4CIF w/ Max Analog Resolution of 1080p (HD Models Only)

### PRODUCT NUMBERS

Product #	CPU	OS	Chassis	Licenses Included	Max Hybrid / Flex Channels	Max IP Channels	Storage Options
<b>NVR-2U-96CH</b>	Gen 10 Intel Xeon	Windows 10	Compact 2U (23.3" deep)	24 IP Licenses	0	Up to 96	Up to 144TB
<b>HVR-2U-96CH-16-HD*</b>	Gen 10 Intel Xeon	Windows 10	Compact 2U (23.3" deep)	16 IP, 16 Hybrid Licenses	Up to 16	Up to 80	Up to 144TB
<b>HVR-2U-96CH-32-HD*</b>	Gen 10 Intel Xeon	Windows 10	Compact 2U (23.3" deep)	32 Hybrid Licenses	Up to 32	Up to 64	Up to 144TB
<b>HVR-2U-96CH-16</b>	Gen 10 Intel Xeon	Windows 10	Compact 2U (23.3" deep)	16 IP, 16 Hybrid Licenses	Up to 16	Up to 80	Up to 144TB
<b>HVR-2U-96CH-32</b>	Gen 10 Intel Xeon	Windows 10	Compact 2U (23.3" deep)	32 Hybrid Licenses	Up to 32	Up to 64	Up to 144TB
<b>NVR-2U-96CH-LINUX</b>	Gen 10 Intel Xeon	Linux Debian 11	Compact 2U (23.3" deep)	24 IP Licenses	0	Up to 96	Up to 144TB

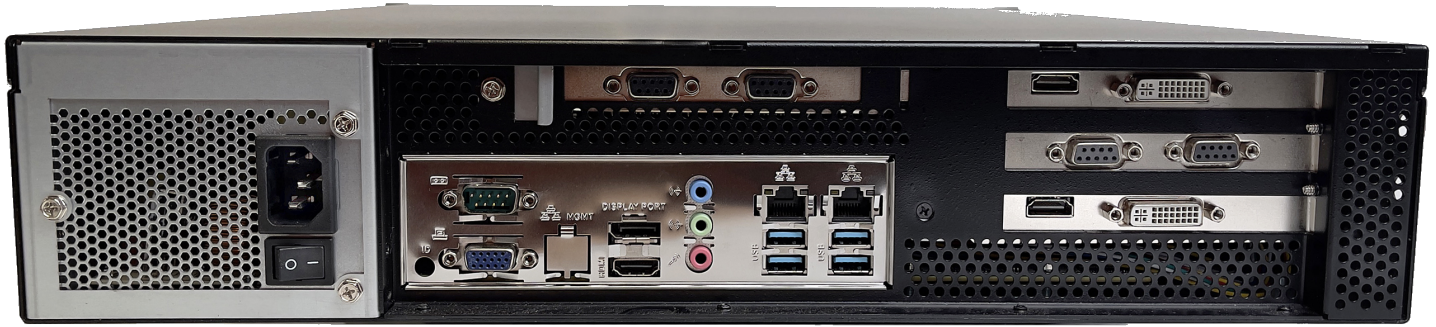
\*HD analog models support both standard and HD analog cameras

Hardware			
<b>CPU</b>	Gen 10 Intel W-1270E Xeon w/8 cores, 16 thread	<b>Storage Capacity</b>	Up to 144TB (8 x 18TB)
<b>RAM</b>	16GB (2x 8GB)	<b>Storage Drive Type</b>	SATA HDD
<b>NIC / USB / Serial Port</b>	2 X 1GBps / Front: 1x USB 3.0; Rear: 4x USB 3.0 / 1 (RS-232)	<b>Hot-swappable Drives</b>	Yes, 8 removable storage bays
<b>Monitor Outputs</b>	1 x D-Sub port w/ max resolution of 1920x1200@60Hz 1 x HDMI ports 1 x DisplayPorts, Supports up to 3 simultaneous displays	<b>Physical</b>	<b>Weight:</b> 32lbs (No HDD) / 40lbs (8x HDD) <b>Width:</b> 19.015 in / 483 mm <b>Height:</b> 3.496 in / 88.8 mm <b>Depth:</b> 3.267 in / 591 mm
<b>DisplayPort Support</b>	Max Res: 4096x2304@60 Hz. Support for DisplayPort 1.4 version, HDCP 2.3, and HDR.)	<b>HDMI Support</b>	Max Res: 4096x2160@30 Hz. Support for HDMI 1.4 version and HDCP 2.3
<b>Warranty</b>	<b>Software-</b> 3 Years   <b>Hardware</b> - 3 Years	<b>Physical OS Drive</b>	256GB M.2 NVME SSD
<b>IP Camera Inputs</b>	Up to 96 Channels	<b>Operating Temperature</b>	40° to 95°F / 4.5° to 35° C
<b>Audio Input Interface:</b>	3.5mm Output	<b>Storage Temperature:</b>	14° to 140°F / -10° to 60° C
<b>Certifications</b>	CE, FCC, NEMKO (US and Canada), UKCA, NDAA Compliant	<b>Electrical</b>	<b>Voltage:</b> 115VAC/60Hz; 230VAC/50Hz <b>Wattage:</b> 500 W

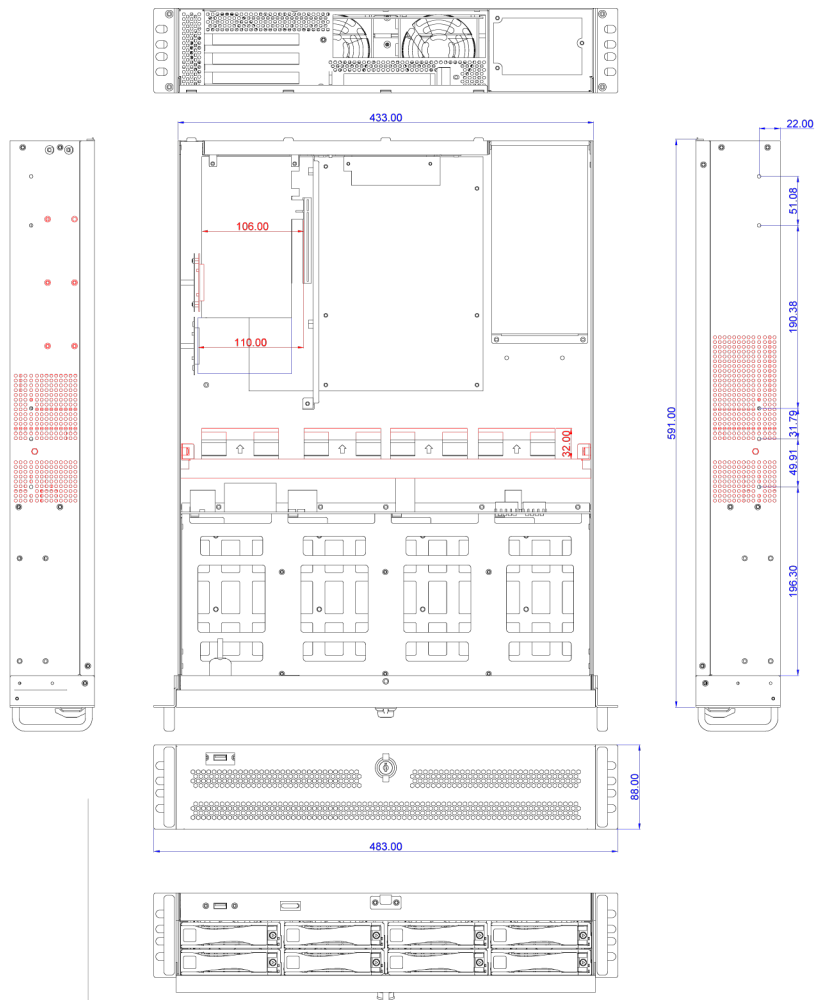
Software			
<b>IP Camera Support</b>	Yes	<b>Multi-Streaming Support</b>	Yes
<b>IP PTZ Support</b>	Yes	<b>Supported Video CODECS</b>	MJPEG, MPEG-4, H.264, H.264+ H.265
<b>IP Protocols</b>	DNS, DDNS, NTP, SNMP, RTP, RTCP, PPPoE	<b>Video Recording Modes</b>	Motion, Alarm, Audio, Analytics
<b>Max MP Support</b>	480MP	<b>IP Audio Support</b>	Yes
<b>Audio Compression</b>	OggVorbis	<b>Audio Recording BitRate</b>	16Kbps
<b>Pre-Loaded Software</b>	<b>VMS:</b> VIGIL Video Management System (VMS) Software (v7.5 and above supported for Windows, v12.60.0400 and newer for Linux)  <b>OS:</b> Windows 10 Enterprise LTSC 2021, Build 21H2 or Debian 11 GNU/Linux (OS dependent on model).	<b>3rd Party Integrations</b>	Access Control, Alarm, ATM, POS, Time/Attendance available

Analog Camera Support (HVR Models Only)			
<b>Analog Camera Inputs</b>	Up to 32 BNC inputs (1.0Vp-p, 75Ω)	<b>Analog Audio Inputs</b>	Equal to HD analog video inputs - 16/32CH
<b>Video Standards</b>	PAL/NTSC adaptive, HD-TVI, HD-CVI, HD-AHD	<b>HD Analog Resolution</b>	Max. 1080P
<b>Video Compression</b>	H.264, MPEG-4/part 10	<b>HD Video Compression</b>	H.264, MJPEG
<b>Max Images Per Second</b>	30FPS/channel @ 4CIF (live and playback)	<b>HD Max FPS</b>	30FPS

Back Plate Image



Dimensional Drawing



Unit: mm