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
NVR-2U-96CH	Gen 10 Intel Xeon	Windows 10	Compact 2U (23.3" deep)	24 IP Licenses	0	Up to 96	Up to 144TB
HVR-2U-96CH-16-HD*	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
HVR-2U-96CH-32-HD*	Gen 10 Intel Xeon	Windows 10	Compact 2U (23.3" deep)	32 Hybrid Licenses	Up to 32	Up to 64	Up to 144TB
HVR-2U-96CH-16	Gen 10 Intel Xeon	Windows 10	Compact 2U (23.3" deep)	16 IP, 16 Hybrid Licenses	Up to 16	Up tp 80	Up to 144TB
HVR-2U-96CH-32	Gen 10 Intel Xeon	Windows 10	Compact 2U (23.3" deep)	32 Hybrid Licenses	Up to 32	Up to 64	Up to 144TB
NVR-2U-96CH-LINUX	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

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Hardware

CPU	Gen 10 Intel W-1270E Xeon w/8 cores, 16 thread	**Storage Capacity**	Up to 144TB (8 x 18TB)
RAM	16GB (2x 8GB)	**Storage Drive Type**	SATA HDD
NIC / USB / Serial Port	2 X 1GBps / Front: 1x USB 3.0; Rear: 4x USB 3.0 / 1 (RS-232)	**Hot-swappable Drives**	Yes, 8 removable storage bays
Monitor Outputs	1 x D-Sub port w/ max resolution of 1920x1200@60Hz 1 x HDMI ports 1 x DisplayPorts, Supports up to 3 simultaneous displays	**Physical**	**Weight**: 32lbs (No HDD) / 40lbs (8x HDD) **Width**: 19.015 in / 483 mm **Height:** 3.496 in / 88.8 mm **Depth**: 23.267 in / 591 mm
DisplayPort Support	Max Res: 4096x2304@60 Hz. Support for DisplayPort 1.4 version, HDCP 2.3, and HDR.)	**HDMI Support**	Max Res: 4096x2160@30 Hz. Support for HDMI 1.4 version and HDCP 2.3
Warranty	**Software**- 3 Years | **Hardware** - 3 Years	**Physical OS Drive**	256GB M.2 NVME SSD
IP Camera Inputs	Up to 96 Channels	**Operating Temperature**	40° to 95°F / 4.5° to 35° C
Audio Input Interface:	3.5mm Output	**Storage Temperature:**	14° to 140°F / -10° to 60° C
Certifications	CE, FCC, NEMKO (US and Canada), UKCA, NDAA Compliant	**Electrical**	**Voltage**: 115VAC/60Hz; 230VAC/50Hz **Wattage**: 500 W

Software

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

Analog Camera Support (HVR Models Only)

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

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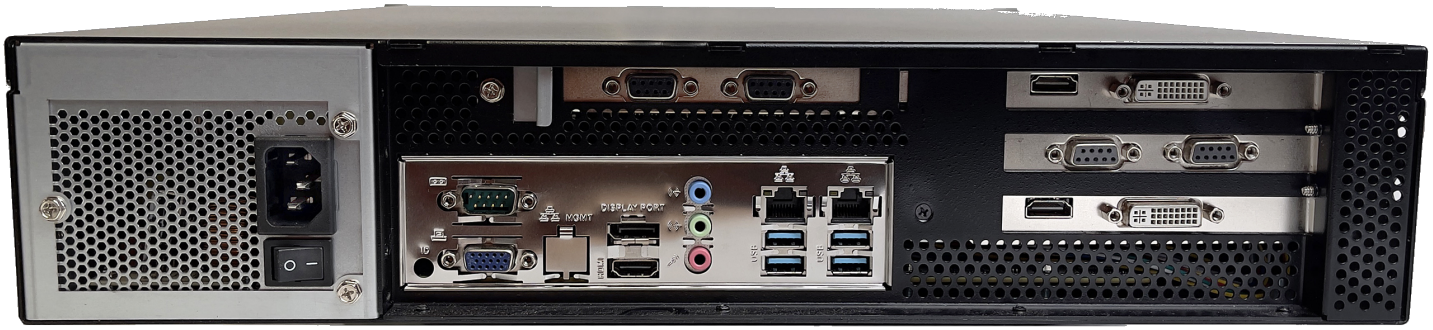
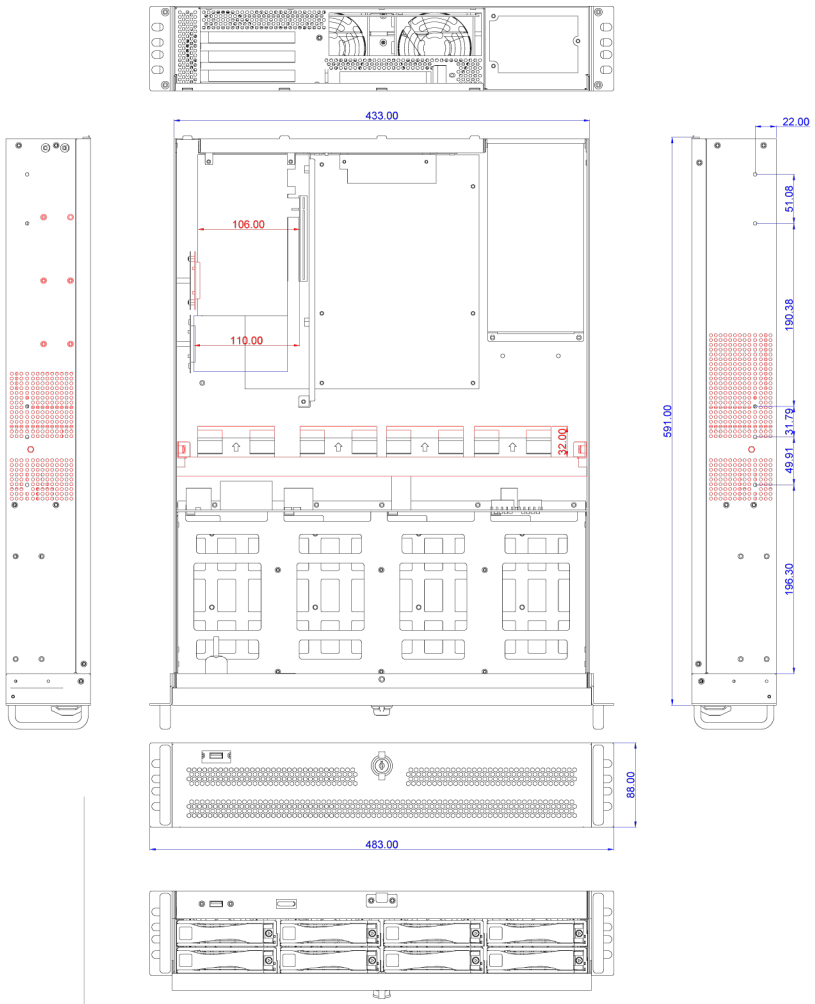
Back Plate Image



Dimensional Drawing



Unit: mm

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