CortexVision

Summary

The CV-IPNVR-Rack™ servers are High End servers that can record and manage single- and multi-sensor IP cameras of any resolution, with a maximum of 2700 Mbps throughput. The servers offer Windows 10, Windows IoT, Windows Server 2019 or Linux Ubuntu OS on SSD with RAID 1, Storage with RAID0/ RAID1/ RAID5/RAID6/ RAID10, Intel® Xeon® Silver/Gold Processors, 32GB RAM, multiple local view options via DP Switch. The server/recorder is available with 24 SATA, 18TB Each SATA, 432TB Capacity for true enterprise scalability and 3 year limited warranty. All CV-IPNVR-Rack™ servers come with 16-channel licenses included with Cortex VMS Software.

NVR Key Features

- Supports all ONVIF conformant IP cameras
- Storage options 24 SATA, 18TB Each SATA, 432TB Storage capacity
- Hot spare plug HDDs
- Data redundancy (N+M)
- Redundant power supply
- Record and manage single- and multi-sensor IP cameras of any resolution with a maximum of up to 2700Mbps throughput
- Local monitoring outputs ports ,two way audio feature with remote client application
- Quad Giga network ports (Optional 2 x 10Giga/Fiber Optic Ports and 2x 1G Ports)
- Windows 10, Windows IoT, Windows Server 2019 or Linux Ubuntu OS on separate SSD
- SD card interface
- Pre-installed Cortex VMS Software for Configuration, Monitoring and Recording
- One-time Recording License Charge, Fully Transferable Between Cameras and Encoders
- 16-channel licenses included with Cortex VMS Software C-VMS-01 x8.
- No annual maintenance Charge
- Unlimited Windows/ Linux/ MAC PC clients
- Simple enterprise scalability
- Auto device discovery
- Multi - stream recording
- E-Map integration and front-end control features
- Rail kit Included
- USB mouse and keyboard included
- 3 years limited warranty

Video Management System (VMS) Software

- Pre-configured with Cortex Vision VMS software
- Support up to 2000 channels per Client system/128 channels per server.
- Support creating a VMS system by servers in different LANs with Client Server Architecture
- Support Access control system Integration.
- Support N+M Failover, ONVIF.
- Offer a user-friendly GUI for easy operation.
- Provide access to the system via Mobile video clients.
- For Client App – MAC, Windows, Linux.
- For Mobile App – iOS, Android, Windows.
- Local Client Display 1200@HD for Windows and 1600@HD for Linux.
- Support multi-monitor and 64 live view channels per monitor with main or sub streams optional.
- Support live video view, playback, historical video search and playback, alarm management.
- Support Fisheye De-warping &PTZ control.
- Support Camera Tour and Layout Tour, Matrix, LDAP, Hovering
- Support Dynamic Visualization including People Counting and Traffic Detection.
- Support up to 64 channels synchronous or asynchronous playback.
- Support reverse and times the speed of playback.
- Support quick location & playback by tags, events and Password on Recorded data.
- Support smart search of motion detection.
- Support marking different types of videos with different colors.
- Support video, audio and data with thumbnail or timeline search Bookmarking.
- Support lock of important Video.
- Support the export of videos in different formats.
- Support multiple kinds of overlays.
- Support local and NAS storage.

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Technical Specifications

PART NUMBER	2U -12 Bay	3U - 16 Bay	4U -24 Bay
Included IP licenses		16	
Inputs	128 IP Channels	128 IP Channels	128 IP Channels
Form factor		Rack mount	
Compression		MJPEG, H.264, H.265	
Frame Rate		Upto 60 FPS per camera	
Operating system		Windows 10, Windows IoT, Windows Server 2019 or Linux Ubuntu OS on separate SSD	
CPU		Intel® Xeon® Quad Core Silver/Gold Processors	
Memory		32 GB and (64GB, 128GB optional)	
Ethernet port		Quad Giga network ports (2X 10Giga/Fiber Optic Ports and 2 X 1G Ports)	
Max video Throughput	900 Mbps	1800 Mbps	2700 Mbps
Maximum Hard Drives	12 x HDD	16 x HDD	24 x HDD
Maximum storage	216 TB	288 TB	432 TB
Operating System Drive		512 GB SSD For OS with RAID 1	
Video Outputs		DVI, DisplayPort, 2x HDMI, 2x VGA (4 simultaneous monitors)	
USB		8 USB slot (2 x USB 3.2, 2 x USB 3.0, 4 x USB 2.0)	
Video card		AMD FirePro W4100 4x Mini display port to true HD adapters	
Resolution		Up to 20MP	
Serial		1x RS 232 & 1x RS485	
Audio Inputs		24	
Audio Outputs		4/4/12/16	
Alarm Inputs		24 TTL	
Alarm Outputs		23 TTL & 1 relay	
Keyboard and mouse		Included	
Rail kit		Included	
Power Supply		Dual 920W, redundant power supply	
Voltage		AC Input: 100-240V / 11-4.4A / 50-60Hz	
		DC Output: 920W: + 12V/75A ; +5V sb/4A	
Operating temperature and humidity		32 – 104 degrees Fahrenheit (0 – 40 degrees C) 0-95% Humidity	
Certifications		CE, FCC, UL, RoHS, NDAA,WEEE,RoHS	
Warranty		3 years limited	

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2U, 3U and 4U rack mount servers
CV-IPNVR-2U / CV-IPNVR-3U / CV-IPNVR-4U

Ordering Information

Windows® OS

- CV-IPNVR2U160T - 2U chassis, 0TB usable storage.
- CV-IPNVR2U16216T - 2U chassis, 216TB usable storage.
- CV-IPNVR3U160T - 3U chassis, 0TB usable storage.
- CV-IPNVR3U16288T - 3U chassis, 288TB usable storage.
- CV-IPNVR4U160T - 4U chassis, 0TB usable storage.
- CV-IPNVR4U16432T - 4U chassis, 432TB usable storage.

Linux® OS

- CV-IPNVR2U160T-L - 2U chassis, 0TB usable storage.
- CV-IPNVR2U16216T-L - 2U chassis, 216TB usable storage.
- CV-IPNVR3U160T-L - 3U chassis, 0TB usable storage.
- CV-IPNVR3U16288T-L - 3U chassis, 288TB usable storage.
- CV-IPNVR4U160T-L - 4U chassis, 0TB usable storage.
- CV-IPNVR4U16432T-L - 4U chassis, 432TB usable storage.

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