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/ 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
- 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.
- 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.
- 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.

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® 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 3.1, 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		
Warranty	3 years limited		

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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.

CORTEX **VISION**