

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 900 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® W Processors, 32GB RAM, multiple local view options via DP Switch. The server/recorder is available with 10 SATA, 10TB Each SATA, 100 TB Capacity for true enterprises scalability and 3 year limited warranty. All CV-IPNVR-Rack™ servers come with 16-channel licenses included with Cortex VMS Software.



Video Management System (VMS) Software

- Pre-configured with Cortex Vision VMS software
- Support up to 1000 channels per Client system/64 channels per server.
- Support creating a VMS system by servers in different LANs.
- Support multiple system languages.
- Support multi-layer map.
- Support N+M Failover.
- Offer a user-friendly GUI for easy operation.
- Provide access to the system via Mobile video clients.
- Support multi-monitor and 32 live view channels per monitor with main or sub streams optional.
- Support self-adaptive layout.
- Support Fisheye De-warping & PTZ control.
- Support Camera Tour and Layout Tour.
- 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.
- Support smart search of motion detection.
- Support marking different types of videos with different colors.
- Support Snapshot, Audio, and Digital Zoom in Playback.
- Support lock of important Video.
- Support the export of videos in different formats.
- Support multiple kinds of overlays.
- Support local and NAS storage.

NVR Key Features

- Supports all ONVIF conformant IP cameras
- Storage options 10 SATA, 10TB Each up to 100TB 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 900 Mbps throughput
- Local monitoring outputs ports
- Quad Giga network ports (Optional 10Giga/Fiber Optic Ports)
- Windows 10, Windows IoT, Windows Server 2019 or Linux Ubuntu OS on separate SSD
- 4 x USB 3.0, 4 x USB 2.0
- 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
- Simple enterprise scalability
- Auto device discovery
- Multi - stream recording
- Rail kit Included
- USB mouse and keyboard included
- 3 years limited warranty



Technical Specifications

PART NUMBER	2U -8 Bay	4U -10 Bay
Included IP licenses	8	
Inputs	64 IP Channels	64 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® W Processors	
Memory	32 GB and (64GB optional)	
Ethernet port	Quad Giga network ports (Optional 10Giga/Fiber Optic Ports)	
Max video Throughput	900 Mbps	1200 Mbps
Maximum Hard Drives	8 x HDD	10 x HDD
Maximum storage	80 TB	100 TB
Operating System Drive	256 GB SSD For OS with RAID 1	
Video Outputs	DVI, DisplayPort, 2x HDMI, 2x VGA (4 simultaneous monitors)	
USB	4 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	18 TTL	
Alarm Outputs	12 TTL & 1 relay	
Keyboard and mouse	Included	
Rail kit	Included	
Power Supply	Dual 600 W, 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	



Ordering Information

Windows® OS

- CV-64IPNVR2U080T - 2U chassis, 0TB usable storage.
- CV-64IPNVR2U0880T - 2U chassis, 80TB usable storage.
- CV-64IPNVR4U080T - 4U chassis, 0TB usable storage.
- CV-64IPNVR4U08100T - 4U chassis, 100TB usable storage.

Linux® Linux® OS

- CV-64IPNVR2U080T-L - 2U chassis, 0TB usable storage.
- CV-64IPNVR2U0880T-L - 2U chassis, 80TB usable storage.
- CV-64IPNVR4U080T-L - 4U chassis, 0TB usable storage.
- CV-64IPNVR4U08100T-L - 4U chassis, 100TB usable storage.

