

AURORA

Communication Technologies

Video Sentinel



Power by **DELL** EMC



Video Sentinel

Video Sentinel recording appliances are specialized servers designed to collect, store, and manage video and audio data from security cameras, providing complete control and reliability for modern surveillance operations.

Powered by Dell OME Servers through our direct OEM partnership with Dell, *Video Sentinel* appliances deliver enterprise-grade performance, maximum uptime, and peace of mind.

Purpose-built for modern IP surveillance, *Video Sentinel* solutions let you centralize control of every camera on your network, streamlining management and reducing operational costs. With seamless video and audio storage, instant access, and ultra-reliable performance, these appliances empower your security infrastructure to stay future-ready and meet the most demanding requirements.

Backed by Dell Technologies original Services and warranty, every *Video Sentinel* server comes with global coverage and expert support. Through our direct OEM partnership, you get access to Consulting, ProDeploy, ProSupport, Data Migration, and more, unlocking the full potential of your solution. With Dell's presence in 170+ countries and the expertise of 60,000+ professionals worldwide, you can count on seamless deployment, maximum uptime, and total peace of mind—every step of the way.

Video Sentinel

Purpose-Built, Performance Driven Video Recording Server

Video Sentinel's video recording servers are specifically engineered to deliver exceptional performance, superior quality, and cost efficiency. Our solutions scale effortlessly—from small systems with 4 cameras to enterprise deployments with up to 4,000 cameras—ensuring maximum bandwidth utilization and optimized performance across diverse software platforms and market applications.

Through strategic partnerships with leading Video Management Software (VMS) providers, *Video Sentinel* guarantees seamless integration and consistent, high-level performance across all our hardware solutions.

Aurora Servers are fully configurable to your project's requirements. After a thorough assessment of your needs, the right hardware is selected, and the appropriate software is delivered preloaded to ensure a seamless and ready-to-use experience.



End-to-End Cyber Resilience

Security is embedded at every stage of the *Video Sentinel* lifecycle, from a protected supply chain to factory-to-site integrity assurance. A silicon-based root of trust provides end-to-end boot resilience, while Multi-Factor Authentication (MFA) and role-based access controls ensure that all operations remain trusted and secure.

Increase Efficiency and Accelerate Operations with Autonomous Collaboration

Leveraging the power of [Dell](#) OpenManage, *Video Sentinel* appliances simplify the complexity of managing and securing your surveillance infrastructure. Through our direct OEM partnership with [Dell](#), IT and security teams benefit from intuitive, end-to-end tools that deliver a secure, integrated experience, eliminate operational silos, and allow focus on business growth. Acting as the engine of innovation, [Dell](#) OpenManage unlocks the automation and intelligence needed to scale, manage, and protect your *Video Sentinel* servers and overall technology environment.



Enterprise-Grade Security Storage

Specialized servers powered by **Dell** OME through Aurora direct OEM partnership for seamless video and audio management in modern IP surveillance systems. Built for reliability, performance, and centralized control.

- Centralized management of all cameras
- Ultra-reliable video & audio storage
- Easy deployment & reduced operational costs
- Supported by Dell Technologies Services worldwide

Explore the ideal *Video Sentinel* solution for your organization with Aurora servers.



Select Best Solution

Video Sentinel

Comparison Table

Aurora Model	AVS-RK36	AVS-RK66XS	AVS-RK76XS	AVS-RK76XD2
Workloads	SMB, near-edge, remote office	Virtualization / Cloud, Scale-Out Database and HPC	Virtualization, medium density VM, VDI, and SDS	Object storage, file storage, video surveillance, and analytics
Rack Units	1U	1U	2U	2U
Processor	1 x Intel® Xeon® E-series processor	2 x 5th generation Intel® Xeon® Scalable processor	2 x 5th generation Intel® Xeon® Scalable processor	2 x 5th Generation Intel® Xeon® Scalable processors
Max Memory	4 x 32 GB DDR5 (128 GB)	16 x 96 GB DDR5 (1.5 TB)	16 x 96 GB DDR5 (1.5 TB)	16 x 96 GB DDR5 (1.5 TB)
Max Storage	64 TB	168 TB	318 TB	672 TB
GPU	1 x 60W (SW)	N/A	2 x 75 W (SW)	2 x 75W (SW) 1 x 180W (DW) 1 x 75W(SW)+1 x 150W(SW)

AVS-RK36

Deliver Powerful Compute with a Single-Processor Server

The *Video Sentinel* AVS-RK36 is a versatile rack server designed to meet evolving compute demands, offering affordable enterprise features in a compact, easy-to-manage package.

With streamlined productivity, high-speed memory, and robust processing power, it efficiently handles common business applications. Ideal for deployment inside or outside the data center, the RK36 is perfectly suited for small to mid-sized businesses, ROBO/near-edge environments, collaboration and sharing, as well as database support and management.

Take Your Enterprise to the Next Level by AVS-RK36

Powered by the latest Intel® Xeon® E-2400 processors, the *Video Sentinel* RK36 delivers exceptional performance for productivity and data-intensive workloads, making it the ideal choice for growing businesses. Featuring 4400/MT DDR5 memory and advanced NVMe BOSS-N1, it ensures low latency and seamless scalability for next-level computing power.

Beyond raw performance, the RK36 combines energy-efficient power supplies, hot-plug storage, and optimized air cooling, offering a secure, reliable, and environmentally responsible solution for modern IT environments.

High-Performance GPU Support

The *Video Sentinel* RK36 supports NVIDIA A2 GPUs to meet the increasing demands of video and audio processing.

Offering cost-effective solutions for ROBO and near-edge deployments in retail, manufacturing, and logistics, the RK36 delivers versatile performance for small to mid-sized businesses.

It handles a wide range of workloads—from business-critical applications to cloud infrastructure—and is ideal for point-of-sale systems, enterprise data analysis, and virtualization needs.



AVS-RK66XS

Balanced and Dense Compute

The *Video Sentinel* RK66XS delivers compelling performance in a purpose-built system, featuring the latest PCIe Gen 5 bandwidth and storage to support today's most popular IT applications. It is optimized for virtualization and cloud environments, scale-out databases, and high-performance computing, providing a versatile, high-density solution for modern enterprise workloads.

Maximize Performance in Minimal Space

The *Video Sentinel* RK66XS is a 1U, two-socket rack server designed to deliver dense, purpose-built performance. Engineered to support today's most popular business applications and workloads—including virtualization, scale-out databases, and high-performance computing—it combines the latest technology with a thoughtfully crafted platform. The RK66XS provides high-density compute that seamlessly fits into your existing infrastructure, giving you the power and flexibility your business demands.

Flexible Configuration for Maximum Performance

- Supports up to two 5th generation Intel® Xeon® Scalable processors with up to 28 cores, or 4th generation Intel® Xeon® Scalable processors with up to 32 cores per socket, delivering faster performance.
- Accelerate in-memory workloads with up to 16 DDR5 RDIMMs running at 5200 MT/sec.
- Improve data throughput and reduce latency with support for up to 5 I/O devices, including 3 PCIe slots, 1 OCP 3.0 networking slot, and 1 dedicated PERC slot.
- Flexible storage options include up to 4× 3.5" HDDs/SSDs or up to 10× 2.5" HDDs/SSDs/NVMe.



AVS-RK76XD2

Faster, Smarter, and More Efficient Storage

Meet your growing unstructured data needs with object storage technology. With more powerful processors and available GPUs, the system delivers faster storage and retrieval, while providing 7% more storage space per rack. Air-cooled for easy integration into existing infrastructure, it also helps lower service costs, reducing operational overhead.

Agile Storage Solution

Designed to meet growing unstructured data needs, this object storage system is easily configurable, serviceable, and scalable. The 2U, two-socket server is ideal for file and object storage, video capture and retrieval, and content delivery networks, providing a flexible and high-performance storage solution.

Storage Tiering for Performance and Capacity

The **RK76XD2** is designed to handle explosive data growth with confidence, offering seven percent more drives and up to 22 TB of capacity. Storage tiering and accelerators supported by PCIe Gen4 reduce latency and boost performance. With multiple available PCIe slots and configurable options, the system adapts to your specific requirements.

- Maximize storage with up to 28× 3.5-inch drives, totaling 616 TB.
- Improve performance and reduce latency using NVMe drives and NVIDIA accelerators.
- Lower service costs with the external rail feature for easy hot-plug drive and PCIe card changes.
- Stay air-cooled with Smart Cooling technology, including optimized chassis, fans, and baffles, all managed by Power Manager intelligent software.



AVS-RK76XS

Balanced Compute with Flexible Storage

The *Video Sentinel* RK76XS delivers compelling performance in a right-sized system, featuring the latest PCIe Gen 5 bandwidth and large storage capabilities.

It is optimized to support today's most popular IT applications, including Virtual Desktop Infrastructure (VDI), virtual machines (VMs), and software-defined storage nodes, providing a versatile and high-performance solution for modern enterprise workloads.

Scalable Performance in Flexible Storage

The *Video Sentinel* RK76XS is a 2U, two-socket rack server designed for scalable performance and large storage capacity. Purpose-built to power today's most popular business applications—including Virtual Desktop Infrastructure (VDI), virtual machines (VMs), and software-defined storage (SDS)—it delivers balanced compute in a thoughtfully crafted platform that fits seamlessly into your existing infrastructure.

Flexible Configuration for Maximum Performance

- Supports up to two 5th generation Intel® Xeon® Scalable processors with up to 28 cores, or 4th generation Intel® Xeon® Scalable processors with up to 32 cores per socket for enhanced performance.
- Accelerate in-memory workloads with up to 16 DDR5 RDIMMs running at 5200 MT/sec.
- Improve data throughput and reduce latency with support for up to 8 I/O devices, including 6 PCIe slots, 1 OCP 3.0 networking slot, and 1 dedicated PERC slot.
- Flexible storage options include up to 12× 3.5" HDDs/SSDs, up to 16× 2.5" HDDs/SSDs, and up to 8× NVMe drives.



The logo for Aurora Communication Technologies is centered on a dark blue background. It features the word "AURORA" in a large, white, serif font. Below it, the words "Communication Technologies" are written in a smaller, white, sans-serif font. To the left of the text, there is a decorative graphic consisting of several thin, white, curved lines that sweep upwards and then curve back down towards the right, creating a sense of motion or a stylized wave.

AURORA

Communication Technologies

The background of the image is a dark, deep blue gradient. On the left side, there are several thin, white, curved lines that sweep upwards and to the right, creating a sense of motion or signal waves. In the upper right quadrant, there is a cluster of out-of-focus, glowing blue and green light spots, resembling a nebula or distant stars. The overall aesthetic is futuristic and technological.

AURORA
Communication Technologies