

Datasheet

HyperConverged Appliance for Video Surveillance and Analytics

Your customers need a rock-solid platform which ensures that mission-critical video and security applications perform to the highest expectations 24/7/365. To meet that demand, StarWind offers purpose-built hyperconverged platforms that take advantage of fault-tolerant architecture to bring maximum uptime and impeccable user experience. StarWind HCA platforms unify server, storage, networking, hypervisor, and a single proactive support umbrella to guarantee hassle-free management experience.

Based on your project needs, we will design a solution tailored just for you. We build our systems up to Milestone, Genetec, and Briefcam best practices and test them inside-out to grant you peace of mind by ensuring both customer satisfaction and your reputation.

Features

- > **StarWind ProActive Premium Support.** ProActive Premium Support monitors the StarWind-based environment 24/7/365. It detects and helps resolve an issue before it becomes a disaster. Our support engineers will also be just a click away.
- > **StarWind Command Center.** StarWind Command Center is a unified management and monitoring tool that significantly improves customer HCI experience. It simplifies infrastructure management, offers convenient monitoring and cluster-wide statistics.

Benefits

- > **Faster Time-to-Solution.** Design and market your solution in record time thanks to our dedicated team of virtualization, storage, networking, and hardware experts that will help you size, build, and deliver it faster.
- > **Maximum Reliability.** Reduce downtime to minimum and eliminate frame loss with HCA's fault-tolerant compute and fault-tolerant flash storage baked-in.
- > **Freedom of Customization.** Create a fully custom configuration, or use one of our pre-sized specifications for various # of cameras, retention time requirements, and amount of required real-time analytics.

Certified and Built to Industry Best Practices

Rest assured you'll get guaranteed support and no vendor finger pointing as the solution has been tested, approved, and certified by Hypervisor and VMS vendors. Customize your solutions faster, make them more reliable and consumer-friendly thanks to StarWind engineers building the platform for you from the ground up. All of the platform's components are supported by StarWind to ensure any customers' queries are taken care of according to the strictest SLAs.



Specification

7 days Recording Retention time

Model description	Up to 50 Cameras*, Recording retention 7 days. Analytic capabilities: N/A	Up to 50 Cameras*, Recording retention 7 days. Analytic capabilities: up to 10 Cameras RT or 400 hours of video/day	Up to 50 Cameras*, Recording retention 7 days. Analytic capabilities: up to 40 Cameras RT or 1600 hours of video/day
Chassis	OEM PowerEdge R740		
CPU	2x Intel® Xeon® Silver 4210R 2.4G, 10C/20T		2x Intel Xeon Gold 6230N 2.3G 20C/40T
RAM, GB	128GB	160GB	768GB
Usable Capacity***, Hot	3.84TB		
Usable Capacity***, Archive	24TB	28TB	40TB
GPU	No	1 x RTX 6000	2 x RTX 6000
Networking	4x 1GbE, 2x 10GbE, 2x 25GbE		
Dedicated archive DAS, DADAS	No		
Rack footprint for 2-node cluster	4U (2x2U for VS-HCA nodes)		
Scale Up support**	RAM, Storage (DAS), GPU		
ProActive Services****	Yes, Included		

*1080P FHD cameras were used for sizing the configuration. Use this configuration as a reference and get a precisely sized system according to your individual infrastructure needs.

**Chassis Configuration and Scale Up Support may vary depending on manufacturer and customizations chosen.

***Usable capacity calculated based on capacity advertised by HDD vendors.

****Read more about StarWind ProActive Premium Support [here](#).

Switchless scale-out options are available for certain models. For additional details, please contact your sales manager. Available hardware options: Dell OEM and Supermicro OEM.

Specification

7 days Recording Retention time

Model description	Up to 100 Cameras*, Recording retention 7 days. Analytic capabilities: N/A	Up to 100 Cameras*, Recording retention 7 days. Analytic capabilities: up to 10 Cameras RT or 400 hours of video/day	Up to 100 Cameras*, Recording retention 7 days. Analytic capabilities: up to 60 Cameras RT or 1600 hours of video/day
Chassis	OEM PowerEdge R740		
CPU	2x Intel® Xeon® Silver 4210R 2.4G, 10C/20T		2x Intel Xeon Gold 6258R 2.7G, 28C/56T
RAM, GB	160GB	384GB	1024GB
Usable Capacity***, Hot	7.68TB (5x1.92TB RAID5)		
Usable Capacity***, Archive	61TB (12x 10TB, RAIDZ2, 2 groups(raid 60)		
GPU	No	1 x RTX 6000	2 x RTX 6000
Networking	4x 1GbE, 2x 10GbE, 2x 25GbE		
Dedicated archive DAS, DADAS	JBOD, 12x 10TB		
Rack footprint for 2-node cluster	8U (2x2U for VS-HCA nodes + 4U for DADAS		
Scale Up support**	RAM, Storage (DAS), GPU		
ProActive Services****	Yes, Included		

*1080P FHD cameras were used for sizing the configuration. Use this configuration as a reference and get a precisely sized system according to your individual infrastructure needs.

**Chassis Configuration and Scale Up Support may vary depending on manufacturer and customizations chosen.

***Usable capacity calculated based on capacity advertised by HDD vendors.

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Switchless scale-out options are available for certain models. For additional details, please contact your sales manager. Available hardware options: Dell OEM and Supermicro OEM.

Specification

7 days Recording Retention time

Model description

Up to 250 Cameras*, Recording retention 7 days. Analytic capabilities: N/A	Up to 250 Cameras*, Recording retention 7 days. Analytic capabilities: up to 10 Cameras RT or 400 hours of video/day	Up to 250 Cameras*, Recording retention 7 days. Analytic capabilities: up to 60 Cameras RT or 2400 hours of video/day	Up to 250 Cameras*, Recording retention 7 days. Analytic capabilities: up to 100 Cameras RT or 4000 hours of video/day
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Chassis

OEM PowerEdge R740

CPU

2x Intel® Xeon® Gold 5218R 2.1G, 20C/40T	2x Intel® Xeon® Gold 6230R 2.1G, 26C/52T	2x Intel® Xeon® Gold 6258R 2.7G, 28C/56T
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RAM, GB

320GB	448GB	768GB	1280GB
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Usable Capacity***, Hot

15.36TB (5x3.84TB RAID5)	30.72TB (9x3.84TB RAID5)
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Usable Capacity***, Archive

110TB (12x 18TB, RAIDZ2, 2 groups(raid 60)	158TB (24x 12TB, RAIDZ2, 3 groups(raid 60)
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GPU

No	1 x RTX 6000	2 x RTX 6000
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Networking

4x 1GbE, 2x 10GbE, 2x 25GbE

Dedicated archive DAS, DADAS

Yes, WD60 12x 18TB	Yes, WD60 24x 12TB
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Rack footprint for 2-node cluster

8U (2x2U for VS-HCA nodes + 4U for DASDAS	10 (3x2U for VS-HCA nodes + 4U for DASDAS
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Scale Up support**

RAM, Storage (DAS), GPU

ProActive Services****

Yes, Included

*1080P FHD cameras were used for sizing the configuration. Use this configuration as a reference and get a precisely sized system according to your individual infrastructure needs.

**Chassis Configuration and Scale Up Support may vary depending on manufacturer and customizations chosen.

***Usable capacity calculated based on capacity advertised by HDD vendors.

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Switchless scale-out options are available for certain models. For additional details, please contact your sales manager. Available hardware options: Dell OEM and Supermicro OEM.

Specification

30 days Recording Retention time

Model description	Up to 50 Cameras*, Recording retention 30 days. Analytic capabilities: N/A	Up to 50 Cameras*, Recording retention 30 days. Analytic capabilities: up to 10 Cameras RT or 400 hours of video/day	Up to 50 Cameras*, Recording retention 30 days. Analytic capabilities: up to 40 Cameras RT or 1600 hours of video/day
Chassis	OEM PowerEdge R740		
CPU	2x Intel® Xeon® Silver 4210R 2.4G, 10C/20T		2x Intel Xeon Gold 6230N 2.3G 20C/40T
RAM, GB	256G	320GB	768GB
Usable Capacity***, Hot	3.84TB		
Usable Capacity***, Archive	110TB		
GPU	No	1 x RTX 6000	2 x RTX 6000
Networking	4x 1GbE, 2x 10GbE, 2x 25GbE		
Dedicated archive DAS, DADAS	JBOD, 12x 18TB		
Rack footprint for 2-node cluster	8U 2x2U for VS-HCA nodes + 4U for DASDAS		
Scale Up support**	RAM, Storage (DAS), GPU		
ProActive Services****	Yes, Included		

*1080P FHD cameras were used for sizing the configuration. Use this configuration as a reference and get a precisely sized system according to your individual infrastructure needs.

**Chassis Configuration and Scale Up Support may vary depending on manufacturer and customizations chosen.

***Usable capacity calculated based on capacity advertised by HDD vendors.

****Read more about StarWind ProActive Premium Support [here](#).

Switchless scale-out options are available for certain models. For additional details, please contact your sales manager. Available hardware options: Dell OEM and Supermicro OEM.

Specification

30 days Recording Retention time

Model description	Up to 100 Cameras*, Recording retention 30 days. Analytic capabilities: N/A	Up to 100 Cameras*, Recording retention 30 days. Analytic capabilities: up to 10 Cameras RT or 400 hours of video/day	Up to 100 Cameras*, Recording retention 30 days. Analytic capabilities: up to 60 Cameras RT or 1600 hours of video/day
Chassis	OEM PowerEdge R740		
CPU	2x Intel® Xeon® Silver 4210R 2.4G, 10C/20T		2x Intel Xeon Gold 6258R 2.7G, 28C/56T
RAM, GB	320GB	640GB	1152GB
Usable Capacity***, Hot	7.68TB		
Usable Capacity***, Archive	193TB		
GPU	No	1 x RTX 6000	2 x RTX 6000
Networking	4x 1GbE, 2x 10GbE, 2x 25GbE		
Dedicated archive DAS, DADAS	JBOD, 24x 14TB		
Rack footprint for 2-node cluster	8U (2x2U for VS-HCA nodes + 4U for DADAS)		
Scale Up support**	RAM, Storage (DAS), GPU		
ProActive Services****	Yes, Included		

*1080P FHD cameras were used for sizing the configuration. Use this configuration as a reference and get a precisely sized system according to your individual infrastructure needs.

**Chassis Configuration and Scale Up Support may vary depending on manufacturer and customizations chosen.

***Usable capacity calculated based on capacity advertised by HDD vendors.

****Read more about StarWind ProActive Premium Support [here](#).

Switchless scale-out options are available for certain models. For additional details, please contact your sales manager. Available hardware options: Dell OEM and Supermicro OEM.

Specification

7 days Recording Retention time

Model description

Up to 250 Cameras*, Recording retention 30 days. Analytic capabilities: N/A	Up to 250 Cameras*, Recording retention 30 days. Analytic capabilities: up to 10 Cameras RT or 400 hours of video/day	Up to 250 Cameras*, Recording retention 30 days. Analytic capabilities: up to 60 Cameras RT or 2400 hours of video/day	Up to 250 Cameras*, Recording retention 30 days. Analytic capabilities: up to 100 Cameras RT or 4000 hours of video/day
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Chassis

OEM PowerEdge R740

CPU

2x Intel® Xeon® Gold 5218R 2.1G, 20C/40T	2x Intel® Xeon® Gold 6230R 2.1G, 26C/52T	2x Intel® Xeon® Gold 6258R 2.7G, 28C/56T
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RAM, GB

640GB	768GB	1152GB	1536TB
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Usable Capacity***, Hot

15,36TB

Usable Capacity***, Archive

422TB 477TB

GPU

No	1 x RTX 6000	2 x RTX 6000
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Networking

4x 1GbE, 2x 10GbE, 2x 25GbE

Dedicated archive DAS, DADAS

JBOD, 48x 18TB	Yes, WD60 48x 18TB
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Rack footprint for 2-node cluster

8U (2x2U for VS-HCA nodes + 4U for DADAS)	10 (3x2U for VS-HCA nodes + 4U for DADAS)
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Scale Up support**

RAM, Storage (DAS), GPU

ProActive Services****

Yes, Included

*1080P FHD cameras were used for sizing the configuration. Use this configuration as a reference and get a precisely sized system according to your individual infrastructure needs.

**Chassis Configuration and Scale Up Support may vary depending on manufacturer and customizations chosen.

***Usable capacity calculated based on capacity advertised by HDD vendors.

****Read more about StarWind ProActive Premium Support [here](#).

Switchless scale-out options are available for certain models. For additional details, please contact your sales manager. Available hardware options: Dell OEM and Supermicro OEM.

Supported Hypervisors: VMware vSphere, Microsoft Hyper-V

Supported Operating Systems: Microsoft Windows Server 2012, 2012 R2, 2016, 2019

Supported Storage Protocols: iSCSI, iSER, SMB3, SMB Direct, NFSv4.1, NVMe-oF

Supported Storage Management & Integrations: SMI-S, VVols, Redfish™, Swordfish™

Recommended Switches: Mellanox MSN2100, MSN2010, Dell S4810

Virtual Machine Backup and Replication: Veeam® Backup and Replication™ V10

Monitoring, Reporting and Capacity Planning: Veeam® ONE™ V10

Management and Security: StarWind Command Center

Optional Components: Microsoft SCVMM, Windows Admin Center; VMware vSphere, vCenter Operations Management

System configurations presented in this document are for reference only and may vary slightly depending on CPU updates and parts availability. For precise system configuration, please inquire with your Account Manager.

Contacts



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