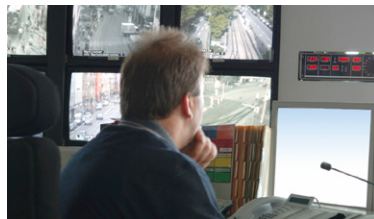








Intrinsa VideoAppliance™

Maximum Flexibility Quick Reference



Server Appliance Configurations

Part Number	CPU & Memory	Features	Form Factor
VA25as 	<ul style="list-style-type: none"> Intel® Quad-Core Xeon® 5600 Series 2.4GHz or 2.66GHz 6-12GB RAM 	<ul style="list-style-type: none"> Video and Data Management & Retention™ VSA Console, VSA Agent Dual mirrored internal OS/application offload disks Dual redundant, hot-swap 650W, 1000-240, 8-4 Amp power supplies 1 VGA/1024x768 max resolution or upgrade to 2650x1600 with 1 DVI/ HDMI with Advanced Viewing option 2 or 4 1GbE ports (1 or 3 IP networks) or 2 1GbE & 2 10GbE ports, with Multi-Network Support Options 	<ul style="list-style-type: none"> 1U rack mount 1.7"/43mm high, 17.2"/437mm wide, 25.5"/648mm deep 
VA35as 	<ul style="list-style-type: none"> 2 Intel® Quad-Core Xeon® 5600 Series 2.4GHz or 2.66GHz 6-12GB RAM 	<ul style="list-style-type: none"> Video and Data Management & Retention™ VSA Console, VSA Agent Dual mirrored internal OS/application offload disks Dual redundant, hot-swap 650W, 1000-240, 8-4 Amp power supplies 1 VGA/1024x768 max resolution or upgrade to 2650x1600 with 1 DVI/ HDMI with Advanced Viewing option 2 or 4 1GbE ports (1 or 3 IP networks) or 2 1GbE & 2 10GbE ports, with Multi-Network Support Options 	<ul style="list-style-type: none"> 1U rack mount 1.7"/43mm high, 17.2"/437mm wide, 25.5"/648mm deep 

VA25as & VA35as Performance

Server Appliance	MJPEG @ 4CIF @ 30fps	MPEG4 @ 4CIF @ 30fps	H.264 @ 4CIF @ 30fps	H.264 @ 720P @ 30fps	H.264 @ 1080P @ 30fps	H.264 @ 3MP @ 15fps	H.264 @ 5MP @ 9fps
VA25as	1-64	1-76	1-65	1-52	1-20	1-16	1-16
VA25as-3	1-64	1-89	1-76	1-60	1-23	1-19	1-19
VA35as	1-64	1-152	1-130	1-104	1-40	1-33	1-32
VA35as-3	1-64	1-178	1-152	1-121	1-46	1-39	1-38

Typical IP camera performance by Maximum Flexibility Server Appliance model is calculated with 3 codec settings. These are (1) MJPEG @ 4CIF @ 30fps 30Kbytes Frame Size, (2) MPEG4 @ 4CIF @ 2,000Kbits/s Bit Rate & (3) H.264 @ 4CIF @ 1,600Kbits/s Bit Rate.

Note that live viewing performance will vary by model, camera settings & other factors, & can typically consume up to 50% of server resources (including those of Intrinsa Server Appliances), effectively reducing the number of cameras or resolution & frame rate that can be simultaneously used & supported. Actual video throughput may vary based upon video surveillance software (VMS), Windows operating system (OS), & the selected cameras & their settings. For simplicity, digital watermarking, encryption & motion activation are not included in these guideline calculations. Consult the Intrinsa VideoAppliance™ online configuration tools for more detailed performance information.

Preloaded Video Surveillance, Access Control & Video Analytics Software Choices

Each Intrinsa VideoAppliance™ Server Appliance supports choice of industry leading video management system, access control or video analytics software. Each preloaded physical security application has been jointly tested & certified by the application vendor and the Intrinsa VideoAppliance labs.

Multiple standard IP, megapixel, H.264 and HD cameras as well as access readers & other hardware have also been certified for use with Intrinsa VideoAppliance™ by the Intrinsa Technology Labs and the device manufacturer.

Operating System Choices



Each Intrinsa VideoAppliance™ Server Appliance comes with **Microsoft Windows 7® standard**, 1 per application mode. Each mode may also be upgraded to either **Microsoft Server 2003 R2 Standard** or **Microsoft Server 2008 R2** at time of order.



Intrinsa VideoAppliance™

Maximum Flexibility Quick Reference

Storage Appliance Configurations

	Storage Capacity	Features	Form Factor
VA100st	<ul style="list-style-type: none"> 2, 4 or 8TB hot-swap RAID 5-protected raw capacity (1.5, 3 or 6TB available) Support for 1 VA Expander for up to 32TB raw capacity 	<ul style="list-style-type: none"> Internal OS/VDMR™ offload disk 300W, 100-240V, 5 Amp power supply Standard configurations 	<ul style="list-style-type: none"> 1U rack mount 1.7"/43mm high, 17.2"/437mm wide, 19.8"/503mm deep
VA200st	<ul style="list-style-type: none"> 2, 4 or 8TB hot-swap RAID 5-protected raw capacity (1.5, 3 or 6TB available) Support for 1-3 VA Expanders for up to 80TB raw capacity 	<ul style="list-style-type: none"> Dual, redundant internal OS/VDMR™ offload disk Dual, redundant 650W, 100-240V, 5 Amp power supplies Fault Resilient configurations 	<ul style="list-style-type: none"> 1U rack mount 1.7"/43mm high, 17.2"/437mm wide, 25.5"/648mm deep
VA Expander	<ul style="list-style-type: none"> 6, 12 or 24TB hot-swap RAID 6-protected raw capacity (10 or 20TB available) 	<ul style="list-style-type: none"> Dual, redundant 800W, 100-240V, 5 Amp power supplies 	<ul style="list-style-type: none"> 2U rack mount 3.5"/89mm high, 17.2"/437mm wide, 25.5"/648mm deep
VA300st	<ul style="list-style-type: none"> 12 or 24TB hot-swap RAID 6-protected raw capacity (10 or 20TB available) Support for 1-3 VA300st Expanders for up to 96TB raw capacity 	<ul style="list-style-type: none"> OS/VDMR™ offload on advanced internal SSD Dual, redundant 800W, 100-240V, 5 Amp power supplies Fault Resilient configurations Standard 1GbE or high bandwidth 10GbE MNSO options 	<ul style="list-style-type: none"> 2U rack mount 3.5"/89mm high, 17.2"/437mm wide, 25.5"/648mm deep
VA300st Expander	<ul style="list-style-type: none"> 12 or 24TB hot-swap RAID 6-protected raw capacity (10 or 20TB available) 	<ul style="list-style-type: none"> Dual, redundant 800W, 100-240V, 5 Amp power supplies Fault Resilient configurations 	<ul style="list-style-type: none"> 2U rack mount 3.5"/89mm high, 17.2"/437mm wide, 25.5"/648mm deep
VA600st	<ul style="list-style-type: none"> 12 or 24TB hot-swap RAID 6-protected raw capacity (10 or 20TB available) Support for 1-3 VA600st Expanders for up to 96TB raw capacity 	<ul style="list-style-type: none"> OS/VDMR™ offload on advanced internal SSD Dual, redundant 800W, 100-240V, 5 Amp power supplies High Availability configurations Standard 1GbE or high bandwidth 10GbE MNSO options 	<ul style="list-style-type: none"> 2U rack mount 3.5"/89mm high, 17.2"/437mm wide, 25.5"/648mm deep
VA600st Expander	<ul style="list-style-type: none"> 12 or 24TB hot-swap RAID 6-protected raw capacity (10 or 20TB available) 	<ul style="list-style-type: none"> Dual, redundant 800W, 100-240V, 5 Amp power supplies High Availability configurations 	<ul style="list-style-type: none"> 2U rack mount 3.5"/89mm high, 17.2"/437mm wide, 25.5"/648mm deep

Intrinsa Video and Data Management & Retention™ (VDMR™) Technology

Intrinsa VideoAppliance™ Storage Appliances feature patented Video and Data Management & Retention™ (VDMR™) with VSA Storage Manager, VSA System Center, VSA Agent, advanced software RAID 5/6, hot-swap drives, VSA Energy Manager & Video Surveillance Optimization (VSOP). All deliver tight integration with Intrinsa Server Appliances & Security Servers. Each Storage Appliance is also an ideal platform for CCTV upgrades for many DVRs/NVRs.

- Detailed specifications can be downloaded at <http://www.intrinsa.com/technology/archequip-spec.php>.

Award Winning Solutions to Physical Security Needs

We're very pleased that the Intrinsa VideoAppliance™ family is both customer-proven around the world & the recipient of numerous awards from leading publications, industry associations & trade shows. Altogether, the message is the same: **Intrinsa VideoAppliance™ is the smart choice for video surveillance.**

