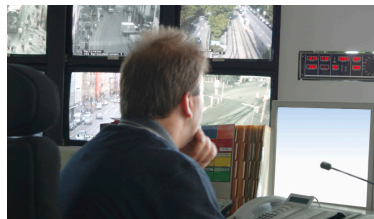






# Intrinsa VideoAppliance™

## Maximum Flexibility Quick Reference



### Server Appliance Configurations

CPU & Memory	IP Cameras/Appliance	Features	Form Factor
<b>VA10</b> <ul style="list-style-type: none"> <li>Intel® Core™ 2 Duo 3.0GHz</li> <li>2-4GB RAM</li> </ul>	Intel 2.66 GHz CPU: <ul style="list-style-type: none"> <li>MJPEG &lt;= 16</li> <li>MPEG4 &lt;= 24</li> <li>H.264 &lt;= 32</li> </ul>	<ul style="list-style-type: none"> <li>Video Data Management &amp; Retention™ VSA Console, VSA Agent</li> <li>Internal OS/application offload disk</li> <li>Standard 300W, 100-240V, 5 Amp power supply</li> <li>1 VGA / 1440x900 maximum resolution</li> <li>1 or 3 1GbE ports (1 or 3 IP networks) with Multi-Network Support Option</li> </ul>	<ul style="list-style-type: none"> <li>1U rack mount</li> <li>1.7"/43mm high, 17.2"/437mm wide, 19.8"/ 503mm deep</li> </ul>
<b>VA20</b> <ul style="list-style-type: none"> <li>Intel® Quad-Core Xeon® 2.33GHz or 3.0GHz</li> <li>4-12GB RAM</li> </ul>	Intel 2.33/3.0 GHz CPUs: <ul style="list-style-type: none"> <li>MJPEG &lt;= 32/40</li> <li>MPEG4 &lt;= 64/72</li> <li>H.264 &lt;= 72/84</li> </ul>	<ul style="list-style-type: none"> <li>Video Data Management &amp; Retention™ VSA Console, VSA Agent</li> <li>Dual mirrored internal OS/application offload disks</li> <li>Dual, redundant, hot-swap 650W, 100-240V, 8-4 Amp power supplies</li> <li>1 VGA / 1440x900 maximum resolution or upgrade to 2560x1600 with 1 DVI/HDMI with Advanced Viewing Option</li> <li>2 or 4 1GbE ports (1 or 3 IP networks) with Multi-Network Support Option</li> </ul>	<ul style="list-style-type: none"> <li>1U rack mount</li> <li>1.7"/43mm high, 17.2"/437mm wide, 25.5"/ 648mm deep</li> </ul>
<b>VA25as</b> <ul style="list-style-type: none"> <li>Intel® Quad-Core Xeon® 5600 Series 2.4GHz or 2.66GHz</li> <li>6-12GB RAM</li> </ul>	Intel 2.4/2.66 GHz CPU: <ul style="list-style-type: none"> <li>MJPEG &lt;= 38/48</li> <li>MPEG4 &lt;= 78/86</li> <li>H 264 &lt;= 86/101</li> </ul>	<ul style="list-style-type: none"> <li>Video Data Management &amp; Retention™ VSA Console, VSA Agent</li> <li>Dual mirrored internal OS/application offload disks</li> <li>Dual redundant, hot-swap 650W, 1002-240, 8-4 Amp power supplies</li> <li>1 VGA/1024x768 max resolution or upgrade to 2650x1600 with 1 DVI/HDMI with Advanced Viewing option</li> <li>2 or 4 1GbE ports (1 or 3 IP networks) or 2 1GbE &amp; 2 10GbE ports, with Multi-Network Support Options</li> </ul>	<ul style="list-style-type: none"> <li>1U rack mount</li> <li>1.7"/43mm high, 17.2"/437mm wide, 25.5"/ 648mm deep</li> </ul> 
<b>VA30</b> <ul style="list-style-type: none"> <li>2 Intel® Quad-Core Xeon® 2.33GHz or 3.0GHz</li> <li>4-12GB RAM</li> </ul>	(2) Intel 2.33/3.0 GHz CPUs: <ul style="list-style-type: none"> <li>MJPEG &lt;= 48/65</li> <li>MPEG4 &lt;= 80/96</li> <li>H.264 &lt;= 98/128</li> </ul>	<ul style="list-style-type: none"> <li>Video Data Management &amp; Retention™ VSA Console, VSA Agent</li> <li>Dual mirrored internal OS/application offload disks</li> <li>Dual, redundant, hot-swap 650W, 100-240V, 8-4 Amp power supplies</li> <li>1 VGA / 1440x900 maximum resolution or upgrade to 2560x1600 with 1 DVI/HDMI with Advanced Viewing Option</li> <li>2 or 4 1GbE ports (1 or 3 IP networks), with Multi-Network Support Option</li> </ul>	<ul style="list-style-type: none"> <li>1U rack mount</li> <li>1.7"/43mm high, 17.2"/437mm wide, 25.5"/ 648mm deep</li> </ul>
<b>VA35as</b> <ul style="list-style-type: none"> <li>2 Intel® Quad-Core Xeon® 5600 Series 2.4GHz or 2.66GHz</li> <li>6-12GB RAM</li> </ul>	(2) Intel 2.4/2.66 GHz CPUs: <ul style="list-style-type: none"> <li>MJPEG &lt;= 58/78</li> <li>MPEG4 &lt;= 96/115</li> <li>H.264 &lt;= 118/154</li> </ul>	<ul style="list-style-type: none"> <li>Video Data Management &amp; Retention™ VSA Console, VSA Agent</li> <li>Dual mirrored internal OS/application offload disks</li> <li>Dual redundant, hot-swap 650W, 1002-240, 8-4 Amp power supplies</li> <li>1 VGA/1024x768 max resolution or upgrade to 2650x1600 with 1 DVI/HDMI with Advanced Viewing option</li> <li>2 or 4 1GbE ports (1 or 3 IP networks) or 2 1GbE &amp; 2 10GbE ports, with Multi-Network Support Options</li> </ul>	<ul style="list-style-type: none"> <li>1U rack mount</li> <li>1.7"/43mm high, 17.2"/437mm wide, 25.5"/ 648mm deep</li> </ul> 

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** at time of order.



# Intrinsa VideoAppliance™

## Maximum Flexibility Quick Reference

### Server Appliance Configurations

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

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

Intrinsa VideoAppliance™ Storage Appliances feature patented Video 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 Appliances 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.**

