



iVMS-5200 Mobile Surveillance V1.1.2

Software Requirements & Hardware Performance

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1. Software Requirements

<p style="text-align: center;">OS for Mobile Surveillance Servers</p>	<p>Microsoft Windows 7 (64-bit) Microsoft Windows 8 (64-bit) Microsoft Windows 8.1 (64-bit) Microsoft Windows 10 (64-bit) Microsoft Windows Server 2008 R2 (64-bit) Microsoft Windows Server 2012 (64-bit)</p>
<p style="text-align: center;">OS for Mobile Surveillance Control Client</p>	<p>Microsoft Windows 7 (32-bit & 64-bit) Microsoft Windows 8 (32-bit & 64-bit) Microsoft Windows 8.1 (32-bit & 64-bit) Microsoft Windows 10 (64-bit) Microsoft Windows Server 2012 (32-bit & 64-bit)</p>
<p style="text-align: center;">Database</p>	<p>PostgreSQL V 9.3.9 (64-bit)</p>
<p style="text-align: center;">Browsers</p>	<p>Internet Explorer 9/10/11 or above (32-bit) Chrome 35/36/37/38/39/40/41/42/43/44 (32-bit) Firefox 32/33/34/35/36/37/38/39/40 (32-bit)</p>
<p style="text-align: center;">Virtualization (CMS)</p>	<p>VMware ESXI 6.x Microsoft Hype-V with Windows Server 2012 R2</p>
<p style="text-align: center;">Failover Cluster</p>	<p>Microsoft Windows Server 2008 R2 (64-bit) Microsoft Windows Server 2012 (64-bit) RoseReplicationPlus_5.1.0_175-x64</p>

2. Client Performance

Low-end
CPU: Intel® Xeon®i3-1450 v2 @3.50GHz 3.50GHz RAM: 4GB DDR3 ECC NIC: 1000 M Graphics Card: Intel® HD Graphics 4400 Hard Disk Type: 1T SATA3 7200RPM Hard Drives
Mid-end
CPU: Intel® Xeon®i5-4460 v2 @3.20GHz 3.20GHz RAM: 8GB DDR3 ECC NIC: 1000 M Graphics Card: NVIDIA ®GeForce® GT730 Hard Disk Type: 1T SATA3 7200RPM Hard Drives
High-end
CPU: Intel® Xeon®E5-2650 v2 @2.60GHz 2.60GHz RAM: 16G DDR3 ECC NIC: 1000 M Graphics Card: NVIDIA ®GeForce® GTX960 Hard Disk Type: 1T SATA3 7200RPM Hard Drives

3. Server Performance

SMS Performance

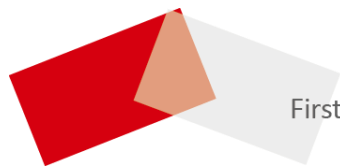
SMS	
CPU: Intel® Xeon®E3-1230 v2 @3.30GHz 3.30GHz	
RAM: 8G	
Network: GbE network interface card	
Hard Disk Type: SATA-II 7200 RPM Enterprise Class Hard Drives	
Hard Drive Capacity: 10G for SMS log files	
Performance	300 Camera*2Mbps/s input and 300 Camera*2Mbps/s output

CMS Performance

Server 1	
CPU: Intel® Xeon®E3-1220V5	
OS: Windows Server 2012 R2 Standard	
RAM: 16GB UDIMM, 2400MT/s, ECC*1	
NIC: 1000 M	
Hard Disk Type: 1TB SATA3.5 Enterprise Class Hard Drives	
Performance	Up to 2000 sets of MVR Up to 200 pieces of GPS data can be handled in one second. 50 pieces of alarm can be handled in one second. GPS data can be saved for 3 months. Alarm logs can be saved for 6 months. GPS data of 24 hours will react in 8s.
Server 2	
CPU: Intel® Xeon®E5-2620 V4 8-core 2.1GHz	
OS: Windows Server 2012 R2 Standard	
RAM: 16GB RDIMM, 2400MT/s, ECC*2	
NIC: 1000 M	
Hard Disk Type: 1TB SATA3.5 Enterprise Class Hard Drives	
Performance	Up to 5000 sets of MVR Up to 500 pieces of GPS data can be handled in one second. 100 pieces of alarm can be handled in one second. GPS data can be saved for 3 months.

	Alarm logs can be saved for 6 months. GPS data of 24 hours will react in 8s.
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Note: The GPS Upload Interval is recommended to set as 10s.



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