iVMS-5200 Mobile Surveillance V1.1.2

Software Requirements & Hardware Performance

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Contents

1. Software Requirements

OS for Mobile Surveillance Servers	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)
OS for Mobile Surveillance Control Client	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)
Database	PostgreSQL V 9.3.9 (64-bit)
Browsers	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)
Virtualization (CMS)	VMware ESXI 6.x
	Microsoft Hype-V with Windows Server 2012 R2
Failover Cluster	Microsoft Windows Server 2008 R2 (64-bit)
	Microsoft Windows Server 2012 (64-bit)
	RoseReplicationPlus_5.1.0_175-x64

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
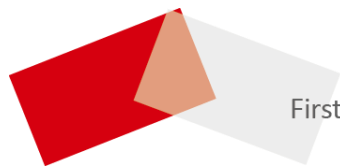
SMS Performance

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.

Note : The GPS Upload Interval is recommended to set as 10s.

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