



Minimum System Requirements

Requirements for individual components are indicated below.

- [Ocularis Base Server](#)
- [Ocularis Administrator Client](#)
- [Ocularis Client](#)
- [NetDVMS](#)
- [NetEVS](#)

Ocularis Base Server

CPU	Intel Xeon (Dual Core or better recommended)
RAM	4 GB
Operating System	Windows Server 2003 (32 & 64 Bit), or Windows Server 2008 (32 & 64 Bit).
Software	Microsoft .NET 3.5 SP1 Framework and Internet Information Services (IIS) 6.0 or newer

Ocularis Administrator Client

Does not require a dedicated PC

CPU	Intel Core2 Duo (Similar or better)
RAM	Minimum 2 GB
Graphics Adapter	PCI-Express, 128 MB RAM, Direct 3D Supported
Operating System	Windows XP Professional SP3, or Windows Vista Business, Ultimate, Enterprise (32 & 64 Bit), or Windows 7 Professional, Ultimate or Enterprise (32 & 64 Bit)

Ocularis Client

CPU	Intel Core2 Duo (Similar or better)
RAM	Minimum 2 GB
Operating System	Windows XP Professional SP3, or Windows Vista Business, Ultimate, Enterprise (32 & 64 Bit), or Windows 7 Professional, Ultimate or Enterprise (32 & 64 Bit)
Software	Microsoft .NET 3.0 Framework and DirectX 9.0 or newer
Graphics Adapter	<p>PCI-Express, minimum 256 MB RAM, Direct 3D supported. Guidelines for Video RAM Requirements:</p> <ul style="list-style-type: none"> <input type="checkbox"/> 20 simultaneous Video Channels: 512 MB <input type="checkbox"/> 35 simultaneous Video Channels: 1 GB <input type="checkbox"/> 50 simultaneous Video Channels: 1.5 GB <input type="checkbox"/> 64 simultaneous Video Channels: 2 GB <p>Video RAM requirements are regardless of number of attached monitors. Additional factors may affect video RAM requirements, including megapixel cameras, compression format, as well as video card and other system hardware specifications.</p>



NetDVMS Recording Server

CPU	Dual Core Intel Xeon (Quad Core recommended)
RAM	4 GB
Network	Ethernet (1 Gbit recommended)
Hard Disk Space	Minimum 100 GB free (depends on number of servers, cameras, rules, and logging settings); refer to the <i>OnSSI Hardware Calculator</i> .
Operating System	Windows Server 2003 (32 & 64 Bit), or Windows Server 2008 (32 & 64 Bit).
Software	Microsoft .NET 3.0 Framework, and Internet Information Services (IIS) 5.1, or newer.

Refer the OnSSI online [storage calculator](#) for more detailed specifications.

NetEVS Management Server

CPU	Intel Xeon (Dual Core or better recommended)
RAM	4 GB
Network	Ethernet (1 Gbit recommended)
Hard Disk Type	SATA, SCSI, SAS
Operating System	Windows Server 2003 (32 & 64 Bit), or Windows Server 2008 (32 & 64 Bit).
Software	Microsoft .NET 3.5 Framework SP1, and Internet Information Services (IIS) 6.0, or newer.

NetEVS Management Client

Does not require a dedicated PC

CPU	Intel Core2 Duo (Similar or better)
RAM	Minimum 2 GB
Operating System	Windows Vista Business, Ultimate, Enterprise (32 & 64 Bit), or Windows 7 Professional, Ultimate or Enterprise (32 & 64 Bit)
Software	Microsoft .NET 3.5 Framework SP1 and DirectX 9.0, or newer.

NetEVS Recording/Failover Server

CPU	Dual Core Intel Xeon (Quad Core recommended)
RAM	4 GB
Network	Ethernet (1 Gbit recommended)
Hard Disk Type	SATA, SCSI, SAS
Operating System	Windows Server 2003 (32 & 64 Bit), or Windows Server 2008 (32 & 64 Bit).
Software	Microsoft .NET 3.5 Framework SP1, or newer.

Refer the OnSSI online [storage calculator](#) for storage requirement details.



The NetEVS Recording Server can supports up to the following:*

- At 640 x 480 Resolution: 200 Cameras and up to 3500 FPS
- 1.3 Mega-pixel: 70 cameras and up to 600 FPS
- 2.0 Mega-pixel: 60 cameras and up to 300 FPS
- 3.0 Mega-pixel: 40 cameras and up to 240 FPS
- 5.0 Mega-pixel: 40 cameras and up to 160 FPS

* Results are for all video compressions (MJPEG, MPEG4 and H.264). Results also assume motion detection is enabled and sampling is every 500 milliseconds. Disabling Motion Detection (if recording MPEG4 or H.264 all of the time) will save significant CPU resources and possibly allow for exceeding the performance recommendations.

Note: In production environments, the Ocularis Base and Recording Servers (NetDVMS or NetEVS) or Ocularis Base and NetEVS Management Server should NOT run on the same server unless they are in separate virtual environments and have the appropriate system resources.

Demo and Trial Systems

For demonstration purposes or trial systems (supporting less than 8 cameras), all software components can be run on one workstation provided the appropriate hardware specifications are met. Ocularis with NetDVMS trials and demos can run the NetDVMS Recording Server, Ocularis Base Server, Ocularis Administrator application and Ocularis Client on one PC running: Windows XP, Windows Vista, or Windows 7 (all 32 & 64 Bit versions).

Ocularis with NetEVS trials and demos can run the NetEVS Recording Server, NetEVS Management Server, NetEVS Management Client, Ocularis Base Server, Ocularis Administrator and Ocularis Client on one PC running: Windows Vista or Windows 7 (all 32 & 64 Bit versions).

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		Ocularis Client/Client Lite	Ocularis Administrator	Ocularis Base (Retail)	Ocularis Base (Demo)	NetDVMS, NetDVR, ProSight Recording Server	NetEVS Mangmt Server	NetEVS Recording Server	Ocularis Video Content Analytics Server
Version No (build)		1.1 (2.5)	1.1 (2.5)	1.1 (2.5)	1.1 (2.5)	NetDVMS 6.5fg NetDVR 6.5c, ProSight 6.5c	3.1b	3.1b	3.3
Windows XP Professional SP3	32 bit	✓	✓		✓	✓*			✓*
Windows Vista Business SP2	32 bit	✓	✓		✓	✓*	✓*	✓*	✓*
Windows Vista Business SP2	64 bit	✓	✓		✓	✓*	✓*	✓*	✓*
Windows Vista Enterprise SP2	32 bit	✓	✓		✓	✓*	✓*	✓*	✓*
Windows Vista Enterprise SP2	64 bit	✓	✓		✓	✓*	✓*	✓*	✓*
Windows Vista Ultimate SP2	32 bit	✓	✓		✓	✓*	✓*	✓*	✓*
Windows Vista Ultimate SP2	64 bit	✓	✓		✓	✓*	✓*	✓*	✓*
Windows 7 Professional	32 bit	✓	✓		✓	✓*	✓*	✓*	✓*
Windows 7 Professional	64 bit	✓	✓		✓	✓*	✓*	✓*	✓*
Windows 7 Enterprise	32 bit	✓	✓		✓	✓*	✓*	✓*	✓*
Windows 7 Enterprise	64 bit	✓	✓		✓	✓*	✓*	✓*	✓*
Windows 7 Ultimate	32 bit	✓	✓		✓	✓*	✓*	✓*	✓*
Windows 7 Ultimate	64 bit	✓	✓		✓	✓*	✓*	✓*	✓*
Windows Server 2003 Standard SP2	32 bit			✓		✓	✓	✓	✓
Windows Server 2003 Standard SP2	64 bit			✓		✓	✓	✓	✓
Windows Server 2003 Enterprise SP2	32 bit			✓		✓	✓	✓	✓
Windows Server 2003 Enterprise SP2	64 bit			✓		✓	✓	✓	✓
Windows Server 2008 Standard SP2	32 bit			✓		✓	✓	✓	✓
Windows Server 2008 Standard SP2	64 bit			✓		✓	✓	✓	✓
Windows Server 2008 Enterprise SP2	32 bit			✓		✓	✓	✓	✓
Windows Server 2008 Enterprise SP2	64 bit			✓		✓	✓	✓	✓
Windows Server 2008 Standard R2	64 bit			✓		✓	✓	✓	✓
Windows Server 2008 Enterprise R2	64 bit			✓		✓	✓	✓	✓
Support for Virtualization	-			✓	✓	✓	✓	✓	✓

*For trial, demo and very small systems. Hardware and OS requirements may vary based on the number and type of cameras.

