

VRM Video Recording Manager

Version 2.0



BOSCH

en Quick Installation Guide

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Introduction

VRM Video Recording Manager

The VRM Video Recording Manager application is a recording management system for video data. It exclusively manages the video encoder and IP cameras from the BVIP series (Bosch Video over IP), as well as iSCSI storage systems supported by Bosch. Recordings from the various BVIP devices are stored in iSCSI storage systems and managed from a central location. Access can be controlled via user administration.

The installation CD contains the following programs:

Program	Field of use
VRM Server including VRM Monitor	Central management of all communication and configuration data for the VRM system. VRM Monitor, an HTML-based interface for monitoring the VRM system, is installed together with VRM Server.
VRM Configurator	Setup of the entire VRM system and configuration of individual devices, storage systems and users.
Archive Player	Replay of saved recordings, optional export and saving to CD/DVD.
Configuration Manager	Integration, setup and license management for Archive Player.

Archive Player provides a convenient way to replay recordings. This program provides you with a comprehensive range of search functions and trick mode replay. Furthermore, you can license the program's export function and then export recordings and burn them to CD or DVD for an alternative purpose. It also gives you the option to create backup copies of the iSCSI recordings. Archive Player 2.23 and above also supports Contour Design ShuttlePRO V.2 for professional processing of replay data. Use Configuration Manager for Archive Player setup and license management, and to integrate the program into the VRM system.

Documentation

Each program comes with its own detailed documentation in pdf format. You can access this documentation directly from the installation CD. You will need to ensure you have installed Adobe Acrobat Reader beforehand; this is also on the installation CD.

The following programs have an online Help function:

- VRM Configurator
- Configuration Manager
- Archive Player

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Installing VRM

System Requirements

Each individual program has its own system requirements.

VRM Server

The VRM Server service is installed on a Windows platform. No additional Web servers or any of the following applications from VIDOS Pro Suite may be installed on the platform:

- VIDOS Server
- VIDOS-NVR
- VIDOS Monitor Wall

It is advisable to install VRM Server on a dedicated platform.

Operating system	Windows 2000 Server Windows 2003 Server R2 Std Edition (32 bit)
CPU	Dual-Core Intel Xeon Processor 5110 (1.60 GHz, 1066 FSB) to Quad-Core Intel Xeon Processor E5430 (2.66 GHz, 1333 FSB)
RAM	1 GB or more
Graphics card	VGA or SVGA-compatible
Network adapter	1 Gbps
Software	DirectX 9.0c
Hard drive space (for installation)	75 MB
Installation	Windows administrator rights

VRM Monitor

VRM Monitor is an HTML-based interface for monitoring the VRM system. The module is automatically installed together with VRM Server. The following are required to use the module properly:

Browser	Microsoft® Internet Explorer version 6.0 or higher
Network adapter	1 Gbps
Software	DirectX 9.0c / MPEG ActiveX

VRM Configurator

VRM Configurator can be installed on one or more client workstations with network access to the computer on which VRM Server has been started and to the devices that are to be managed.

Operating system	Windows XP Professional SP2 Windows XP Professional 64-bit
CPU	Pentium IV, 2.0 GHz to max. Intel Core 2 Duo E6850 Processor, 3.0 GHz or Intel Core 2 Quad Q9550 2.83 GHz CPU
RAM	256 MB or more
Graphics card	VGA or SVGA-compatible
Network adapter	1 Gbps
Software	DirectX 9.0c
Installation	Windows administrator rights

Archive Player and Configuration Manager

These programs must always be installed together, as Archive Player can only be integrated into the VRM system using Configuration Manager. Configuration Manager is also needed for Archive Player setup and license management.

Operating system	Windows XP Home Windows XP Professional
CPU	Pentium IV, 2.0 GHz to max. Intel Core 2 Duo E6850 Processor, 3.0 GHz or Intel Core 2 Quad Q9550 2.83 GHz CPU
RAM	1 GB or more
Graphics card	NVIDIA NVS 295, NVS 440, NVS 450 NVIDIA Quadro FX 370, FX 570, FX 1700, FX 3700, FX 4600, FX 4800 ATI FireGL V5600, V7200, V7700 The most up-to-date list of supported graphics cards is available in the latest Archive Player Release Letter. Screen resolution: 1024 x 768 pixels
Network adapter	100 Mbps
CD or DVD burner	Recommended (to fully benefit from the export function)
Sound card	Recommended
Software	DirectX 9.0c
Hard drive space (for installation)	150 MB (.NET environment, MPEG ActiveX, Archive Player, Configuration Manager)

Installation

1. Close all other applications before beginning the installation.
2. Insert the installation CD into the computer's CD-ROM drive. The CD runs automatically.

If the CD does not run automatically, open the **index.html** page from the root:



3. Select the required language for the user interface.
4. Under **Installation**, click **VRM Video Recording Manager**.
The installation assistant opens and takes you through the installation.
5. When installing individual components, several installation processes will run one after the other where necessary.

When selecting components, a description for each one is displayed when you hover the mouse cursor over them.

During installation, you will be prompted to select target directories for the programs. It is advisable to accept the defaults.

Please refer to the notes in chapter 3 (NOTES ON INDIVIDUAL PROGRAMS).

Other

Documentation

Here you will find all available documentation in all available languages in pdf format, along with the VRM Release Letter.

You can also download Acrobat Reader. This program is required to be able to read and print documents that are only available in pdf format.

If required, Acrobat Reader can easily be installed from the installation CD. Follow the on-screen instructions during installation.

The program can also be downloaded free of charge from ADOBE's Website (www.adobe.com).

Licensing and more

Bosch Software License Manager

The link takes you to the Website where you can generate the activation keys for your VRM system. Precise information on licensing for VRM Video Recording Manager can be found in the accompanying documentation.

Licensing for Exporter

The link takes you to the Website where you can generate the activation keys for the Archive Player export function. Precise information on licensing for Archive Player can be found in the accompanying documentation.

IP Network Video Homepage

The link takes you to the Website for BVIP products, where you can find current information and downloads.

Switching to Unlimited Licenses

VRM Video Recording Manager is installed as a temporary demo version. The program can be used without restriction for 30 days. The following programs can also be used without a license beyond that time:

- Configuration Manager
- Archive Player (except the export function)

An unlimited license is required to use VRM Video Recording Manager on a permanent basis. Licensing is based on the number of cameras to be integrated into the VRM system and applies to the hardware installed on the VRM Server.

The Archive Player export function also requires an unlimited license. Licensing applies to the hardware on which Archive Player is installed.

Full details on the licensing process are given in the documentation supplied with the applicable program.

Deinstallation

If you no longer wish to use one of the programs on a computer, you can uninstall the program at any time.



Warning!

The license for any program requiring one applies to the computer hardware and cannot be used on another computer. Please contact your sales partner if you want to use a license on another computer.



Note

When you uninstall a licensed program and then install an update on the same PC, your license is unaffected.

1. Close the program.
2. In Windows, go to **Start – Control Panel – Add or Remove Programs**.
3. Click the corresponding entry and then the **Change/Remove** button. Follow the on-screen instructions.

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Notes on Individual Programs

VRM Server and VRM Monitor

These programs are typically installed on a platform on which no other programs are installed.

VRM Server runs automatically as a service under Windows.

VRM Monitor is an HTML-based program that displays VRM system information.

VRM Configurator

This program is used to set up the VRM system. You can use it to:

- Integrate senders and cameras into the system
- Configure senders and cameras
- Integrate iSCSI storage systems
- Configure Bosch iSCSI storage systems
- Create users and user groups, and regulate access to recordings

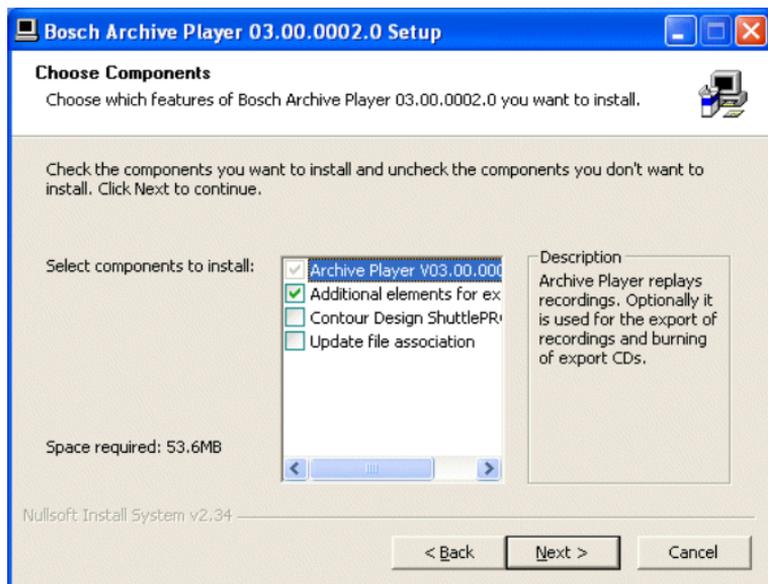
Archive Player

Archive Player is the tool that provides a convenient way to replay all recordings in the VRM system. With the exception of the export function, this program can be used without a license. Always install Archive Player together with Configuration Manager.

If you intend to use Archive Player to export video data from a PC and burn it onto CD or DVD, you need to activate the **Additional elements for export CDs** option when installing Archive Player.

If you intend to use the ShuttlePRO V.2 multimedia controller with Archive Player, you need to activate the **Contour Design ShuttlePRO2** option during installation.

Activate the **Update file association** option if you wish to open .mpg, .mp2 and .mp4 automatically with Bosch Player. The assignment is also applied to files already on the PC.



Trade Marks

Contour is a registered trade mark of Contour Design, Inc.
ShuttlePRO2 is a trade mark of Contour Design, Inc.

Configuration Manager

This program must be installed on every PC using Archive Player. Configuration Manager provides the following functions:

- Integration of Archive Player into one or more VRM systems
- Configuration of Archive Player (export paths etc.)
- Access to Archive Player license management

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Tips and Information

Supported Color Depth

MPEG ActiveX supports a color depth of 32 bit. However, if your graphics card does not support YUV processing, you should set the color mode to a color depth of 16 bit.

Antivirus Programs and Firewalls

There are no known operational issues for VRM programs in connection with virus scanners.

Firewalls must be configured appropriately by the network administrator. If required, use data tunneling via http.

System Security

The VRM system is protected against unauthorized access in a variety of ways:

- Each sender and each camera can be protected against tampering by using device passwords for different access levels.
- The VRM system has a user administration function. This means that different users can be given different access rights to recordings.
- Access to Configuration Manager can be password protected.

Use the rights management function within the Windows operating system to protect individual computers against tampering.

Language

If you use VRM on HP workstations distributed by Bosch, the programs are initially installed with an English user interface.

In order to change the language settings after installation, carry out the following steps:

1. In the Windows **Start** menu, select **Control Panel > Regional and Language Options**.
2. On the **Languages** tab, select the language you require from the dropdown list under **Language used in menus and dialogs**.
3. Click **OK** to apply all settings.
4. Log off from your operating system and then log back on. The new language setting is active.

Note: The selected language can be changed at any time. The programs are displayed in the selected language as soon as the user logs on to the operating system again.



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