

Bosch Video Management System



BOSCH

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1 Safety

The migration from VIDOS VRM to Bosch VMS can lead to loss of recordings when you do not follow the instructions described in this Technical Note.

**CAUTION!**

In an existing VIDOS VRM system (encoders and) cameras are recorded on an iSCSI device. Before you activate the new Bosch VMS configuration, make sure that you have added the VRM, the iSCSI device and all your (encoders and) cameras. The recordings of each (encoder and) camera that has not been added, is deleted as soon as you activate your Bosch VMS configuration.

**CAUTION!**

When you change the hardware of the VRM server, first remove the (encoders and) cameras and then the storage from the VRM server, otherwise recordings get lost.

**CAUTION!**

Do not change any IP address of (encoders and) cameras during migration. Otherwise recordings can get lost.

**CAUTION!**

Do not activate your configuration until you have completed the entire configuration. Otherwise the configuration is sent to all affected devices and the VIDOS clients cannot operate. Depending on the configuration performed until the activation, recording can get interrupted and recordings can get lost.

CAUTION!

When you scan the network for (encoders and) cameras recorded with VRM from within Bosch VMS Configuration Client, the cameras are automatically renamed.

**NOTICE!**

Backup VRM is not supported in Bosch VMS.

2 Short Information

This document contains information on how to migrate existing VIDOS VRM and VIDOS NVR systems to Bosch Video Management System without losing any recordings and minimizing the downtime of the system.

The following use cases are covered in this document:

- Migrate VRM to Bosch Video Management System
Section 4.2 Migrating VRM, page 7.
- Add VIDOS NVR to Bosch Video Management System
Section 4.3 Adding a VIDOS NVR to Bosch VMS, page 9.
- Migrate VIDOS user settings to Bosch Video Management System
Section 4.4 Migrating user settings, page 10.
- Migrate VIDOS clients to Bosch Video Management System
Section 4.5 Migrating the VIDOS clients, page 10.

**NOTICE!**

The supported software and firmware versions are covered in the Bosch VMS Release Letter. VIDOS NVR must have version 4.10 or later to be migrated to Bosch VMS.

**NOTICE!**

If you want to continue using a VIDOS client after migration in parallel to Bosch VMS, configure Live video to use stream 1 for the workstation in Bosch VMS to avoid performance problems.

3 Prerequisites

**NOTICE!**

Note the minimum hardware requirements for a Bosch VMS Central Server computer:

- 4 GB RAM, Intel Core Duo Xeon, Windows 2003 Server

Note the minimum hardware requirements for a Bosch VMS workstation:

- 2 GB RAM, Intel Core 2 Duo, Windows XP Professional or Windows 7
Windows XP Home Edition and Windows Vista are not supported.

3.1 Planning information

For the required network configuration for Bosch VMS see the Bosch VMS blueprints.

- If the VIDOS server computer meets the above mentioned hardware requirements, use this computer for installing Bosch VMS Configuration Client and Central Server and start Central Server service on this computer.

Otherwise use an appropriate computer for installing Bosch VMS Configuration Client and Central Server.

Note the restrictions valid for Bosch VMS regarding the supported count of VRM servers and cameras per Central Server. See the Bosch VMS datasheet for details.

- Add the VRM computer to Bosch VMS VRM. Make sure that the same VRM software version is used as is released for your Bosch VMS version.

**CAUTION!**

When you change the hardware of the VRM server, first remove the (encoders and) cameras and then the storage from the VRM server, otherwise recordings get lost.

**NOTICE!**

When you have a VRM server computer with Windows Server 2008 installed, and you want to install Bosch VMS Central Server on this computer, downgrade this computer to Windows Server 2003. For this downgrade you must install the VRM computer from scratch. You can use your Windows 2008 Server license for installing Windows Server 2003.

Bosch VMS must provide sufficient camera licenses to cover for all cameras that are managed by the VRM.

The licensing method used by BVMS is different from the licensing method in VRM, and BVMS will override the existing VRM license.

The Bosch VMS schedules are configured independently and system wide, not for each device.

The encoder schedules are overwritten.

4 Migrating VIDOS to Bosch VMS

VIDOS system can use VIDOS NVR and/or VRM as recording solution.

4.1 Installing Bosch Video Management System

- ▶ Install Bosch VMS Central Server, Configuration Client, VRM, and Operator Client on the respective computers.

4.2 Migrating VRM



CAUTION!

Do not activate your configuration until you have completed the entire configuration. Otherwise the configuration is sent to all affected devices and the VIDOS clients cannot operate. Depending on the configuration performed until the activation, recording can get interrupted and recordings can get lost.



NOTICE!

You find the list of recorded (encoders and) cameras and the permissions on the VRM server. VIDOS user permissions in VRM are located under VIDOS Rights.

If a VIDOS Server is used, user permissions must be taken from there.

To migrate VRM:

1. Make screenshots from within VRM Configurator and your VIDOS clients to document the complete configuration of your VIDOS VRM installation. These screenshots must contain each VRM instance, encoders and cameras, the corresponding iSCSI devices, LUNs, and their assignments, other devices like relays, schedules, alarm triggers, user permissions.
2. Start Bosch VMS Configuration Client connecting to the Central Server.



3. Click **Devices**.



4. Click **VRM & iSCSI Devices Scan**.

5. On the **Bosch VMS Scan Wizard** dialog box, select only **Video Recording Managers (VRMs), iSCSI storage, and recorded encoders**.

When you want to add a VIP X1600 M4S running in M2 mode, please ask the Bosch support.



CAUTION!

In an existing VIDOS VRM system (encoders and) cameras are recorded on an iSCSI device. Before you activate the new Bosch VMS configuration, make sure that you have added the VRM, the iSCSI device and all your (encoders and) cameras. The recordings of each (encoder and) camera that has not been added, is deleted as soon as you activate your Bosch VMS configuration.

6. In the following steps, add and authenticate VRM server, the iSCSI devices, and (encoders and) cameras that you have configured in your VIDOS system. See the Bosch VMS Online Help for detailed information on configuring iSCSI devices.



7. Click **Maps and Structure**.

8. Add cameras and relays to the Logical Tree.
VIDOS maps cannot be migrated. You can convert background maps to DWF format to import them into Bosch VMS.

9. Click  **Schedules**.
10. Configure your schedules as desired.

11. Click  **Cameras and Recording**.

12. Click  to configure stream quality settings.
The Bosch VMS stream quality settings are configured independently and system wide, not for each device. But you can configure multiple stream quality settings for use with different (encoders and) cameras.

13. Click  **All** and enable a cell in the  column to activate PTZ control for the appropriate cameras. Select the appropriate port, PTZ protocol, and PTZ address and configure the PTZ settings as desired.

14. Click  to configure camera settings.
To configure the retention time, make the desired settings in the **Storage Settings** columns.

15. Click a Recording Schedule tab (for example ) to configure schedule dependent recording settings.

16. Click  **Events** to configure events.
You configure when an event in your Bosch Video Management System triggers an alarm, executes a Command Script, and is logged.
Here you configure triggers for alarm recording like motion, inputs etc.

17. Click  **Alarms** to configure the corresponding alarms.
You define how an alarm is displayed, and which cameras are displayed and recorded in case of an alarm.

18. Click  **User Groups** to configure user groups and their permissions.
Section 4.4 Migrating user settings, page 10 provides detailed information to reproduce the VIDOS user settings in Bosch VMS.
19. Save and activate your configuration.
20. Start VRM Monitor from within Configuration Client to check the VRM recording activities.

CAUTION!

Do not use VRM Configurator after having installed Bosch VMS. Any changes that you perform with one software is overwritten by the other software without any warning.

4.3 Adding a VIDOS NVR to Bosch VMS



NOTICE!

You cannot configure a VIDOS NVR from within Bosch Video Management System.

To add a VIDOS NVR:

1. Click  **Devices**.
2. Click  **VRM & iSCSI Devices Scan**.
3. On the **Bosch VMS Scan Wizard** dialog box, select only **Vidos NVR**.
4. In the following steps, add and authenticate the VIDOS NVR.
Note:
Bosch Video Management System does not display the recording state of a camera assigned to a VIDOS NVR.
5. Click  **Maps and Structure**.
6. Add cameras and relays to the Logical Tree.
7. Click  **Cameras and Recording**.
8. Click  **All** and enable a cell in the  column to activate PTZ control for the appropriate cameras. Select the appropriate port, PTZ protocol, and PTZ address and configure the PTZ settings as desired.
9. Click  **Events** to configure events.
You configure when an event in your Bosch Video Management System triggers an alarm, executes a Command Script, and is logged.
Here you configure triggers for alarm recording like motion, inputs etc.
10. Click  **Alarms** to configure the corresponding alarms.
You define how an alarm is displayed, and which cameras are displayed and recorded in case of an alarm.
11. Click  **User Groups** to activate PTZ control for the desired cameras assigned to the VIDOS NVR.
12. Save and activate your configuration.

4.4 Migrating user settings

The following table maps the user settings of both systems.

VIDOS	Bosch Video Management System User Groups
Close application	Permissions – Close Operator Client
Exit full-screen mode	Permissions – Minimize Operator Client
Configuration	Only members of the Admin user group are permitted to use Configuration Client.
Modify preset	Camera Permissions – Set Presets
Recording menu	Permissions – Manual Alarm Recording
Connect menu	Logical Tree permissions
PTZ control priority	Priorities – Control Priorities

4.5 Migrating the VIDOS clients

To migrate the VIDOS clients:

1. Install Bosch VMS Operator Client on the VIDOS client computers.
2. Start Operator Client on each computer, connect to the Central Server, and test Live and Playback Mode.
3. Remove VIDOS client software entry from the Start menu.
Do not uninstall this software because deleting shared components can make Bosch VMS inactive.

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