

# Bosch VMS Viewer 8.0

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- ▶ Live viewing of multiple cameras
- ▶ Playback and export from storage
- ▶ PTZ Control and digital zoom
- ▶ Forensic Search
- ▶ Live and Playback sites

The Bosch VMS Viewer allows to live-monitor and replay recorded video from Bosch network attached cameras and recorders. The Bosch VMS Viewer supports the current Bosch video product portfolio as well as legacy Bosch video systems.

The Bosch VMS Viewer can be installed on 64-bit Microsoft Windows Operating Systems. The software package consists of an Operator Client and a Configuration Client.

The Bosch VMS Viewer is a variant of the Bosch Video Management System. The base package includes 16 live only or local storage cameras, 5 Bosch recording solutions and 16 unmanaged sites free of charge. The system can be expanded with expansion licenses up to 500 cameras and 10.000 sites. If enhanced VMS features are required, the system can easily be upgraded to a Bosch VMS Professional system with enhanced VMS features.

## System overview

The Bosch VMS Viewer Operator Client allows to live monitor and to replay recorded video data. The Operator Client shows status information of the cameras and can display SD, HD or UHD cameras on a monitor. The Bosch VMS Viewer supports up to 4 monitors.

The easy to use Bosch VMS Viewer Configuration Client allows to define the devices accessible in the Operator Client, to structure the devices and to configure user permissions. Devices can be added by intuitive Scan Wizard to the configuration and can be grouped individually in the Logical Tree.

## Functions

### Live Viewing

- SD, HD or UHD cameras supported
- PTZ control via in-windows control or PTZ control window
- Logical Tree listing all cameras, inputs and relays of attached devices
- Device states in Logical Tree indicated by icons, including network connection loss, video loss, and camera tamper states
- Camera selection by double-click or drag and drop from Logical Tree or Favorites Tree
- Favorites Tree can be individually configured per user
- Call up Favorites with a click. Include complete views with Image pane layouts and camera assignments
- A unique flexible Image window (patent pending) allows any combination of video window sizes and layouts without the need of pre-configured layouts
- Any live Image pane can be switched to instant playback
- Multiple instant playback Image panes

- "Automatic Sequences" created by multiple selection and drag to Image panes
- Decoders can be organized in Monitor Walls from within Operator Client Monitor Walls
- Pre-configured camera sequences with 25 cameras with each up to 100 steps with individual dwell times
- When operating from a remote access, the operator can retrieve Live and Playback via low bandwidth using transcoded video or TCP for reliable connection (Live Mode)
- Up to 4 PC monitors supported per Workstation
- KBD-Universal XF keyboard supported, connected to Workstation via USB interface
- Bosch IntuiKey keyboard supported, connected to Workstation
- Audio Intercom functionality
- Support of hardware accelerated decoding

### Playback and Export Video

- Replay of recorded video data from Bosch Digital Video records, IP Recording devices or cameras with local storage
- Up to 30 parallel replay session supported
- Forensic Search allows the usage of Intelligent Video Analytics (IVA) algorithms on the recorded video
- Motion search in recordings allows easy locating of changes in selected areas
- Sophisticated multi-camera Timeline allows easy, graphical searching of recorded video
- Bookmarks in Live and Playback Mode for easy investigation and export of recordings
- Selected clips can be exported to DVD, network drives, or USB sticks with a few mouse clicks
- Exports in native, ASF or MOV format

### Configuration

- Scan Wizards to add devices
- Configurable Logical Tree
- Logical Tree customized per user group - users only see devices for which they have access
- Individual per-camera privileges assignable per user group for live access, playback, PTZ control
- LDAP compatible for integration with user management systems such as Microsoft Active Directory
- Access to system resources individually controlled per user group
- Logical Tree customized per user group - users only see devices for which they have access
- User group rights for protecting, deleting, exporting, and printing video
- Individual per-camera privileges assignable per user group for live access, playback, audio, PTZ control
- No device configuration overwriting, when adding a device to the Bosch VMS Viewer

### Licensing

The Bosch VMS Viewer supports up to 16 IP cameras or encoder channels, 5 Bosch recording solutions (Digital or IP-recording) and 16 unmanaged sites free of charge.

The number of cameras/channels can be increased to 64 by purchasing additional channel licenses.

The number of recording solution can be increased up to 32 by purchasing DVR expansion licenses.  
 The number of unmanaged site can be increased up to 10.000 sites with site expansion licenses.  
 More than 500 cameras connected simultaneously is not recommended.

### Technical specifications

Supported operating systems	Windows 8.1 (64-bit, Professional or Enterprise) Windows 10 (64-bit, Professional or Enterprise, patched with Creators Update 1703). We recommend installing Internet Explorer 11.
Supported languages	English, German, Dutch, Italian, Portuguese, French, Spanish, Simplified Chinese, Traditional Chinese, Russian, Hungarian, Japanese, Czech, Danish, Finnish, Greek, Norwegian, Polish, Swedish, Thai, Turkish, Korean, Arabic, Vietnamese
Supported cameras	Bosch UHD and panoramic cameras, MPEG-4 & H.264 encoders, MPEG-4, H.264 & H.265 IP cameras, and IP AUTODOME cameras in SD & HD format Supported HD resolutions: 720p and 1080p, 5, 8 and 12 Megapixel 3rd party cameras via RTSP, JPEG, or ONVIF Profile S BRS/DiBos/DVR cameras
Supported Bosch Recording Solutions	DVR 431, 440, 451, 480, 630, 650, 670, 700 series (maximum 15 managed DVRs) Bosch Recording Station 8.10, 8.11 DIVAR AN 3000 / 5000 DIVAR hybrid 3000 / 5000 DIVAR network 3000 / 5000 DiBos, firmware version 8.7 Maximum 100 BRS/DiBos DIVAR IP 2000 DIVAR IP 5000 DIVAR IP 6000 DIVAR IP 3000/7000 (full Bosch VMS Operator Client)

Supported BVIP devices	Flexidome IP micro 2000/5000 Flexidome IP indoor/outdoor 4000 Flexidome IP indoor/outdoor 5000 Flexidome IP starlight 6000 VR Flexidome IP starlight 7000 VR Flexidome IP starlight 7000 RD Flexidome IP dynamic 7000 RD Flexidome IP panoramic 5000 MP Flexidome IP panoramic 7000 MP Flexidome IP panoramic 7000 SC Flexidome IP 4000i Flexidome IP 5000i TINYON 2000 HD/WI/PIR DINION IP 4000 HD DINION IP 5000 HD DINION IP 5000 MP DINION IP bullet 4000 HD DINION IP bullet 5000 HD DINION IP starlight 6000 HD DINION IP starlight 7000 HD DINION IP starlight 8000 MP DINION IP ultra 8000 MP DINION IP capture 5000 DINION IP imager 9000 HD Flexidome IP corner 9000 MP Extegra IP starlight 9000 FX Extegra IP dynamic 9000 FX DINION IP thermal 8000 AUTODOME IP 4000 HD AUTODOME IP 5000 HD AUTODOME IP 7000 AUTODOME IP 7000 HD AUTODOME IP starlight 7000 HD AUTODOME IP 4000i AUTODOME IP 5000i MIC IP starlight 7000 HD MIC IP Fusion 9000i MIC 612 VIP X1 XF VideoJet X20 VideoJet X40 VideoJet multi 4000 VideoJet Decoder 3000 VideoJet Decoder 8000 VIP X 1600 XFM4
Unmanaged sites	Maximum 9999 unmanaged sites. Supported unmanaged devices: Bosch VMS, DIVAR IP 3000/7000, DVR 431, 440, 451, 480, 630, 650, 670, 700 series, DIVAR AN 3000, DIVAR AN 5000, DIVAR hybrid 3000 / 5000, DIVAR network 3000 / 5000, BVIP devices. Maximum 5 DVR/DIVAR AN devices per site.

### Recommended hardware

The following hardware is recommended for the operation of Bosch VMS Viewer with the maximum number of cameras.

CPU	Intel Core i7 4770 3.4 GHz (up to 3.9 GHz)
RAM	Minimum 8 GB
Free disk space	Minimum 3 GB We recommend having minimum 15% free disk space.
Network card	1000Base-T
Display Resolution	Minimum per monitor 1024x768 1280x1024 or higher recommended
Recommended Graphic Cards	Nvidia K620 Nvidia M2000 Nvidia M4000 AMD FirePro W5100 AMD FirePro W7100

### Ordering information

#### MBV-BVWR-80 License Viewer base

Base license for Bosch VMS Viewer. 16 cameras, 5 Bosch recording solutions, 16 unmanaged sites. All Bosch VMS Viewer options are only available with a Bosch VMS Viewer Base license. Order number **MBV-BVWR-80**

#### MBV-XCHAN-VWR BVMS Viewer Camera/decoder expansion

Bosch VMS Viewer Expansion license for 1 encoder/decoder channel. Order the exact number required. Order number **MBV-XCHAN-VWR**

#### MBV-XDVR-VWR BVMS Viewer DVR expansion

Bosch VMS Viewer Expansion license for 1 Bosch recording solution. Order the exact number required. Order number **MBV-XDVR-VWR**

#### MBV-XSITE-VWR BVMS Viewer Site expansion

Bosch VMS Viewer Expansion license for 1 site. Order the exact number required. Order number **MBV-XSITE-VWR**

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