



BOSCH

Invented for life

BVMS Viewer 8.0 - Release notes

Author: Hepting Manuel (ST-ESS/MKP1)
Date: 07-Nov-2017 09:29

1 BVMS Viewer Version 8.0	3
1.1 Introduction	3
1.2 New features in Version 8.0	3
1.3 Installation Notes	3
1.4 Firmware	3
1.5 Hardware	5
1.6 Resolved issues in version 8.0	5
1.7 Known issues	5
2 BVMS Viewer Version 7.5	7
2.1 Introduction	7
2.2 Features in initial Version 7.5	7
2.3 Installation Notes	7
2.4 Firmware	7
2.5 Hardware	9
2.6 Resolved issues in version 7.5	9
2.7 Restrictions	9

1 BVMS Viewer Version 8.0

1.1 Introduction

The latest version of the Release Notes is always available on the Bosch Product Catalog (www.boschsecurity.com).

The BVMS Viewer 8.0 is an update to the initial version of BVMS Viewer 7.5.

BVMS Viewer is based on the Bosch Video Management System and follows the release cycle of the Bosch Video Management System.

1.2 New features in Version 8.0

ID	Description
134122	Live, playback, asf-, mov-, and native export of H.265 devices
165770	Move to 64-bit software architecture
144613	Improve operator client performance by Nvidia GPU decoding
146474	Favorites can be used in combination with unmanaged sites
160935	Implementation of MIC 9000 specific user interface options
172375	SSH connectivity can be used in combination with unmanaged sites
173425	The "Admin" username can be changed
160520	Keyboard Support in BVMS Viewer
165061	Enable Audio in the BVMS Viewer
171619	PTZ control of 3rd party VSG cameras
160516	Show IVA rules in live mode

1.3 Installation Notes

For system design specifications refer to the BVMS Viewer datasheet, Configuration Manual and Quick Installation Guide on <http://www.boschsecurity.com>. The datasheet is subject to change. Translated versions are not published instantly, for the latest version refer to the English version.

The installation manual and additional documentation can be found in Bosch on-line product catalogue on <http://www.boschsecurity.com>.

1.4 Firmware

Component	Version
VideoSDK	6.12.0078

Firmware MPEG-4	4.15.0002
Firmware CPP3	5.74.0004
Firmware CPP4	6.41.0037
Firmware CPP5	6.30.0047
Firmware CPP6	6.41.0037
Firmware CPP7	6.41.0037
Firmware CPP 7_3	6.41.0037
Firmware CPP-ENC	5.53.0004 (for VIP X1600 XFM4
Firmware CPP-ENC	5.97.0005 (for VJT XF E family, VIDEOJET decoder 3000)
Firmware X1/X2	2.53.0005
VIP XD HD	1.8
VJD 7000	54.8.2
VJD 8000	9.00.0134
VRM	3.70.0056
VSG	6.42.0010
DiBos	8.7
BRS	8.10/8.11
DVR FW Version	2.3.2 (DVR 400/600 series) 3.61 (Divar 700) 2.5.0 (Divar AN 3000/5000) 1.2.1 (Divar Network / Hybrid)
Operating systems	Windows 8.1 64-bit; Windows 10 64-bit creators update

1.5 Hardware

Hardware requirements

For the HW-requirements please refer to the documentation of these components

Component	Version
NVIDIA Quadro	Driver for Windows 7 and Windows 8.1 (64-bit): 385.08 (28.June 2017) Driver for Windows 10 (64-bit): 385.69 (21.September 2017)
AMD	Driver for Windows 8.1 (64-bit) 17.Q3 (27.July 2017) Driver for Windows 10 (64-bit) 17.Q3 (27.July 2017)

1.6 Resolved issues in version 8.0

ID	Description
177532	FIXED: Import of VRM configuration not possible
170208	FIXED: Instead of "freezing" the (live) video when the network experiences packet loss, the video will now be decoded on best-effort. As a result, some distortion could be observed when the network is experiencing packet loss.
176372	FIXED: Recording starttime & endtime inverted for DIVAR Network and Hybrid

1.7 Known issues

ID	Description
183720	The performance estimations of some GPUs are not fully correct, which could lead to a performance decrease compared to CPU decoding. GPU decoding can be disabled as a work-around. The exact impact is listed in the BVMS project checklist.
181362	BVMS Viewer does not support IBP, IBBP GOP structures. Large GOP structures are also not supported
183162	In some situations connecting to a DIVAR Hybrid or Network may take longer than 20 seconds.
182759	When video is protected on a DIVAR AN 3000 or DIVAR AN 5000, it can still be (manually) removed.
179879	When the "access protection enforcement" of a Bosch encoder (running firmware 6.40 or newer) is enabled, the video cannot be displayed on decoders. In order to work-around the issue a "user" password needs to be set on the encoder, and the "destination" password needs to be set on the decoder. The user and destination password needs to match.
183179 183372	In some situations MPEG4 connected VSG cameras cannot be replayed anymore.

184192	The SSH tunneling protocol cannot be used to connect the BVMS Configuration Client to the BVMS Management server.
182804	The input states of a Bosch DIVAR 400 and DIVAR 600 are not monitored.
81663	Local storage cameras are not able to replay video if any live or user password is set.
157312	Forensic search is not possible on video footage exported from BVMS.
171880	When an encoder is configured with invalid (definition can be found in the configuration manual) password characters a pre-set will not be triggered.
171856	After locking the pc, and logging in again, the Operator Client can crash when using non-tested Nvidia drivers. This problems has been confirmed by Nvidia and Bosch strongly recommends using the tested Nvidia driver version mentioned earlier in this document.
172049	The motion+ search algorithm is only available for analogue cameras connected to a DIVAR Network or Hybrid.
164871	DIVAR AN, Network and Hybrid devices show the wrong interval in the time-line for protected and restricted video
173162	In rare situations the Operator Client can crash when a camera is opened which is authenticated using invalid password-characters.

2 BVMS Viewer Version 7.5

2.1 Introduction

The latest version of the Release Notes is always available on the Bosch Product Catalog (www.boschsecurity.com).

BVMS Viewer 7.5 is the initial Version of the Viewer variant of the Bosch Video Management System.

The BVMS Viewer is based on the Bosch Video Management System and follows the release cycle of the Bosch Video Management System.

2.2 Features in initial Version 7.5

The BVMS Viewer is an IP video security application for live viewing and playback video of Bosch network attached cameras and recorders. The BVMS Viewer supports the actual Bosch Video product portfolio as well as legacy Bosch video devices.

The BVMS Viewer is a free of charge variant of the BVMS System. It gives the operator access to live and recorded video data to Bosch Video products and provides forensic search functions.

The free of charge version includes:

- 16 local storage cameras
- 5 local recording solutions (BRS /Dibos, DVR or DIVAR IP units)
- 16 unmanaged sites.

Extract of supported features:

- Live viewing of cameras
- PTZ of cameras
- Playback of cameras
- Export of video data in Native, ASF and MOV format
- Create and recall Favorites View
- Create and recall Bookmarks
- Smart Motion Search and Forensic Search
- Support of up to 4 Monitors
- Assign camera to a decoder via Monitor Wall Control
- Instant Playback
- Encrypted https communication to cameras

2.3 Installation Notes

For system design specifications refer to the BVMS Viewer datasheet, Configuration Manual and Quick Installation Guide on <http://www.boschsecurity.com>. The datasheet is subject to change. Translated versions are not published instantly, for the latest version refer to the English version.

The installation manual and additional documentation can be found in Bosch on-line product catalogue on <http://www.boschsecurity.com>.

2.4 Firmware

Component	Version
VideoSDK	6.0.5.288
Firmware MPEG-4	4.15.0002
Firmware CPP3	5.74.0004
Firmware CPP4	6.32.0111
Firmware CPP5	6.30.0047
Firmware CPP6	6.32.0111
Firmware CPP7	6.32.0111
Firmware CPP-ENC	5.53.0004 (for VIP X1600 XFM4)
Firmware CPP-ENC	5.97.0005 (for VJT XF E family, VIDEOJET decoder 3000)
Firmware X1/X2	2.53.0005
VIP XD HD	1.8
VJD 7000	54.8.2
VJD 8000	8.21.0028
VRM	3.60.0053
VSG	6.30.0053
DiBos	8.7
BRS	8.10/8.11
DVR	2.3.2 (DVR 400/600 series) 3.60 (Divar 700) 1.1.2 (Divar Network / Hybrid)

2.5 Hardware

Hardware requirements

For the HW-requirements please refer to the documentation of these components

Component	Version
NVIDIA Quadro	Driver for Windows 7 and Windows 8.1 (64-bit): 381.65 Driver for Windows 10 (64-bit): 377.11
AMD	Driver for Windows 8.1 (64-bit) 17.Q1.1 Driver for Windows 10 (64-bit) 17.Q1.1

2.6 Resolved issues in version 7.5

ID	Description
	n.a.

2.7 Restrictions

ID	Description
n.a.	Installing a BVMS Viewer is not possible if any other BVMS Professional Component is installed.
n.a.	BVMS Viewer does not log user events or device events.
n.a.	When DCOM connections are used to legacy Dibos Systems, closing the connection takes longer if the BVMS Viewer is closed.
n.a.	ONVIF devices are not supported as live only devices, ONVIF device can be used via VSG.
n.a.	Triggering a manual recording in the BVMS Viewer requires alarm recording configuration triggered by the virtual input 1 on the camera.
n.a.	Direct log on VRM devices, DVR devices and cameras/ encoders as known from BVC is not possible in the BVMS Viewer.
n.a.	DHCP assigned IP-addresses to cameras and encoders are not supported, in case the IP-addresses has changed after adding a device to the BVMS Viewer, BVMS Viewer cannot access the cameras.
n.a.	Analog dome cameras connected to an encoder are not detected as a PTZ cameras and cannot be controlled.
n.a.	ONVIF PTZ cameras or Bosch PTZ cameras configured under a Video Streaming Gateway are not detected as a PTZ camera and cannot be controlled.
n.a.	Configuration of preposition names in Config Client is not supported.

n.a.	Audio is not supported in the BVMS Viewer.
n.a.	Multiple in parallel connected sites is not supported in the BVMS Viewer.
n.a.	When upgrading to BVMS Viewer to a BVMS Professional system, VRM devices are deleted from the configuration. Rescan VRM devices after upgrade to a BVMS Professional System.
n.a.	When upgrading a BVMS Viewer to a BVMS Professional system, BVMS Config Client must be manually restarted after activating a BVMS Professional license to show all configuration tabs.
n.a.	Software Transcoding is not supported in the BVMS Viewer.
n.a.	When adding a DIP 2000 or DIP 5000 the BVMS Viewer automatically enables the RCP+ protocol on the DIP units.
n.a.	DIP 2000 / 5000 units with older firmware version than 3.55 or 3.60 cannot be added by scan, manual adding is possible if RCP+ protocol is enabled.
n.a.	Encrypted https communication only possible for live only and local storage cameras.
163927	BVMS Viewer does not support VRM devices with E-Series iSCSI drives when using two ports on one controller.
148394, 152880.	Direct iSCSI playback is not supported when using the Video Recording Manager large LUN feature.
155514	When using Windows 10, a device scan searching for the DIVAR AN 3000/5000 brings no result. The device(s) need to be added manually or the scan needs to be executed on another operating system.
39436	If a "user" password is set to a camera used for local recording, the Operator Client is not able to access the recording.
162254	The installation of the .NET framework 4.6 is possible by following the MS instructions to install KB2919355 first.
160504	SD card recording can only be used when the specific cameras have not configured a password for the service, user and live account.
129590	The tree search in Tree View does not work for cameras of an unmanaged site. Search for sites works as expected.
132565	Jump to the oldest recording does not work on DIVAR AN 3000 and 5000.