

BVMS Lite 12.3



BVMS Lite is a unique IP video security solution that provides seamless management of digital video, audio, and data across any IP network. It provides the best video management system to go with Bosch video surveillance devices, leveraging the unique capabilities of Bosch cameras and recording solutions. It nevertheless offers interfaces and standards to integrate other systems and manufacturers.

The software is provided as an e-license via e-mail.

Regulatory information

General Data Protection Regulation

The General Data Protection Regulation (GDPR) is enforced on the 25th of May 2018. As a regulation it will be directly applicable to all EU member states without the need for national implementing legislation. As information captured, processed and stored by video surveillance systems is classified as "sensitive" the GDPR will cause significant impact on the video surveillance installations throughout

BVMS includes the required functionality to ensure an organization can be GDPR compliant.









- ▶ Embedded resilience keep operations up and running even when multiple system components fail.
- ▶ Bosch video at its best the best userexperience combining Bosch cameras with BVMS.
- ► Integration integrate third-party cameras, storage and further systems into BVMS.
- ► IT environments and data security benefit from full IT compatibility from installation to day-to-day management in a secure way.
- ► Free of charge up to 8 cameras load the license, and off you go.

Installation/configuration notes

Disclaimer

This software is not designed, intended, or authorized for use in any type of system or application in which the failure of the software could lead to a risk to health and safety. The user is responsible to verify that the software and its specified functionalities are suitable for the intended application, in particular with respect to accuracy, safety, and security.

The BVMS system design guide is published on the following website:

Bosch Building Technologies Knowledge Base.

The system design guide summarizes the BVMS design details, and serves as a guide to planning a BVMS system with Bosch cameras and storage. It focuses on BVMS combined with the VRM.

To get started, read the following article on the Bosch Security & Safety community website: BVMS - Quick start overview

BVMS Enterprise

Multiple BVMS Lite, Plus, Professional or DIVAR IP systems can be combined into one BVMS Enterprise System.

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Cameras within system context	200000
Cameras per operator	10000
Sub-systems	Between 10 sub-systems with 1000 cameras per system or 100 sub-systems with 100 cameras per system.

Software assurance

The complexity of security systems has increased significantly over the last couple of years. At the same time, you are still relying on your system to mitigate security risks. With Bosch Software Assurance, you can relax knowing you can always approach us for help to ensure your system keeps on running. You can find the terms and conditions of Bosch Software Assurance on the following website: About Bosch Software Assurance

Note: BVMS Lite is not covered with Assurance GO. In order to receive professional support, please order Assurance PRO separately.

Technical specifications

The release notes give a detailed overview on the changes that are implemented, compared to the previous BVMS version.

The architects and engineering specifications specify in detail what the system is capable of.

Both documents can be found on the following web page:

Bosch Building Technologies Knowledge Base

System limits



Notice

The system limits are based on the hardware recommendations.

5
42
5
10
2
500
2500
5000
500

Logbook size	4GB
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(i) Notice

The logbook size can be increased by upgrading the Microsoft SQL Server Express edition included in the BVMS installation package.

Languages

Component	Languages
Quick installation guide	English, French, German, Simplified Chinese and Spanish
Configuration manual	English, German, Dutch, Italian, Portuguese, Finnish, French, Spanish, Simplified Chinese, Traditional Chinese, Russian, Czech, Greek, Polish, Swedish, Latvian, Lithuanian, Turkish and Korean
Operation manual	English, German, Dutch, Italian, Portuguese, Finnish, French, Spanish, Simplified Chinese, Traditional Chinese, Russian, Czech, Greek, Polish, Swedish, Latvian, Lithuanian, Turkish and Korean
Software	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, Ukrainian and Vietnamese

Hardware recommendations

Cameras

All Bosch cameras can be used under the device compatibility concept, which you can find on the Bosch Security and Safety Community in the following article:

How-to: BVMS - Device compatibility

BVMS is an ONVIF Profile S certified video management system.

Management Server, Video Streaming Gateway, Video Recording Manager

It is recommended to run the Video Recording Manager and the BVMS Management Server on the same computer. Video - BVMS Lite 12.3 3 | 5

The recommended specifications for BVMS Lite are based on the Bosch DIVAR IP AiO 5000.

Item	Description
Operating System	Windows Server 2016 (64-bit)
	Windows Server 2019 (64-bit)
	Windows Server 2022 (64-bit)
	Windows 10 Professional (64-bit) (22H2)*
	Windows 10 Enterprise LTSC 2021*
	Windows 11 Pro (64-bit) (23H2)*
CPU	Intel i3-8100
RAM	8GB
Free disk space	30GB (+ 15% of the hard-drive after installation)
Network	1 Gigabit/s network interface card

^{*} Windows 10 and Windows 11 are not supported for the Video Recording Manager.

Operator Client

Operator Ctient	
Item	Description
Operating System	Windows 10 Professional (64-bit) (22H2)
	Windows 10 Enterprise LTSC 2021
	Windows 11 Pro (64-bit) (23H2)
CPU	Intel Xeon W-2123 (3.6 GHz)
RAM	8GB
Free disk space	Minimum 10GB for Single Site Systems
	Minimum 15GB for Enterprise Systems
Network	1 Gigabit/s network interface card
Display resolution	Minimum: 1280 x 1024
	Maximum: 3840 x 2160
Graphic card	Nvidia Quadro P620
	Nvidia Quadro P2000
	Nvidia Quadro P4000
	Nvidia Quadro RTX A2000
	Nvidia Quadro RTX 4000
	Nvidia Quadro P2200
	Nvidia Quadro T600
	Nvidia Quadro T1000
	Intel HD Graphics 630

Network

To achieve the performance listed in the table below, a 1 Gigabit/s network is a minimum requirement between the Operator Client and Management Server.

(Unicast) Maximum number of workstations simultaneously viewing the same camera	5
(Multicast) Maximum number of workstations simultaneously viewing the same camera	100
Event response time (assuming sufficient network performance considering bandwidth and delay)	< 1 second
Alarm visibility time (assuming sufficient network performance considering bandwidth and delay), including 1 live image pane, 1 instant playback image page, and 1 map image pane.	< 2 seconds

(i)

Notice

When the system does not have enough network resources, or is experiencing a temporary decrease in network performance, the event response time and alarm visibility time may increase.



(i) Notice

The list of communication channels and required network ports can be found in the BVMS Configuration manual.

Storage devices

The storage quick selection guide, which also includes non-Bosch storage devices, can be found

http://www.boschsecurity.com/bvms

Device	Series
Bosch DIVAR IP	2000, 3000, 5000, 6000, 7000
Bosch DIVAR IP AiO	4000, 5000, 6000, 7000
Bosch DSA E-Series	2300, 2400, 2500, 2600, 2700, 2800
Bosch DIVAR AN	3000, 5000
Bosch DIVAR network	2000, 3000, 5000
Bosch DIVAR hybrid	3000, 5000
Other hardware	

Туре	Device	Remarks
Decoder	Bosch VIDEOJET decoder 3000	n/a

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Serial input Dran Dran Dran Dran Dran Dran Dran Dran	Туре	Device	Remarks	Туре	Device	Remarks	
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Intrusion panel Bosch G-series Automation Device in B9512G 3.03.14, the intrusion panels must be configured as	Foyer card reader	MINITER 485	n/a		_		
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Software Options

MBV-MLIT SMA license for MBV-BLIT, 1 year

One year of maintenance cover for the BVMS Lite base license.

Order number MBV-MLIT

MBV-MCHANLIT SMA license for MBV-XCHANLIT, 1 year

One year of maintenance cover for the BVMS Lite camera/decoder channel expansion license.

Order number MBV-MCHANLIT

MBV-MWSTLIT SMA license for MBV-XWSTLIT, 1 year

One year of maintenance cover for a BVMS Lite Workstation expansion license.

Order number MBV-MWSTLIT

MBV-MMAPLIT SMA license for MBV-FMAPLIT, 1 year

One year of maintenance cover for an online map functionality license.

Order number MBV-MMAPLIT

MBV-MOBJLIT SMA license for MBV-FOBJLIT, 1 year

One year of maintenance cover for the Map-based tracking assistant license.

Order number MBV-MOBJLIT

MBV-MLIT-DIP SMA license for MBV-BLIT-DIP, 1 year

One year of maintenance cover for the BVMS license for DIVAR IP all-in-one 4000 / DIVAR IP all-in-one 5000.

Order number MBV-MLIT-DIP

MBV-MFOVLIT SMA license for MBV-XFOVLIT, 1 year

One year of maintenance cover for a BVMS Lite Failover VRM expansion license.

Order number MBV-MFOVLIT

MBV-MINTLIT SMA license for MBV-XINTLIT, 1 year

One year of maintenance cover for a BVMS Lite intrusion panel expansion license.

Order number MBV-MINTLIT

MBV-MKBDLIT SMA license for MBV-XKBDLIT, 1 year

One year of maintenance cover for a BVMS Lite CCTV keyboard expansion license.

Order number MBV-MKBDLIT

MBV-MLPRLIT SMA license for MBV-XLPRLIT, 1 year

1 year of maintenance cover for the (Tattile) LPR camera expansion license.

Order number MBV-MLPRLIT

MBV-MDVRLIT SMA license for MBV-XDVRLIT, 1 year

One year of maintenance cover for the BVMS Lite DVR expansion license.

Order number MBV-MDVRLIT

MBV-MDURLIT SMA license for MBV-XDURLIT, 1 year

One year of maintenance cover for a BVMS Lite Dual Recording VRM expansion license.

Order number MBV-MDURLIT

MBV-MPRILIT SMA license for MBV-FPRILIT, 1 year

One year of maintenance cover for a Privacy overlay license.

Order number MBV-MPRILIT

