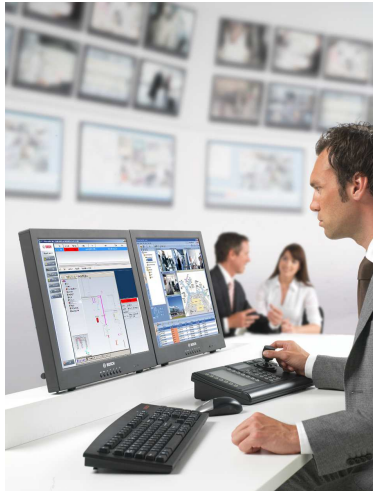


BVMS-BIS Connectivity



BIS can be coupled with BVMS, enabling you to capitalize on the advantages of both: the flexibility of BIS in connecting multiple subsystems - Fire, Intrusion, Public Address, Access Control systems, Building Management - and the powerful video control environment of Bosch Video Management System. A BIS customer achieves video management functionalities and can for example integrate HD cameras managed by BVMS.

Example 1: After a BVMS IVA alarm triggered by an idle object, the evacuation of the affected area is started together with BIS loudspeaker announcements and corresponding door blocks and unblocks. In the BIS event log this alarm is trailed.

Example 2: After a BIS intrusion alarm the corresponding BVMS live video of an HD 1080p camera is displayed on the BIS client. Simultaneously the stream is recorded including metadata for Forensic Search.

A BVMS customer acquires PSIM functionality, such as Intrusion and Fire detection, in addition to their video management solution.

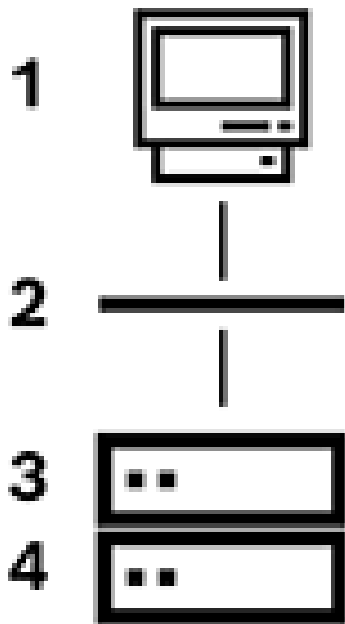
Example 3: A BVMS operator can press an input button when observing the live image of a camera. This input is connected to this camera. The input triggers pre-defined actions in BIS, for example a loudspeaker announcement or door blocks / unblocks for evacuation purposes in the area of the camera. With the trigger, additional parameters like location and required workflow can be forwarded to BIS. The operator does not see anything of the BIS system, he only works in his usual BVMS environment.

- ▶ Automatic or manual display of live images or recordings on BVMS Operator Client in response to alarms or alarm acknowledgements.
- ▶ Manual control of live images or recordings directly from BIS location or device overviews.
- ▶ Ability to receive and process BVMS alarms (motion detection, camera failure, ...) within BIS.
- ▶ Control of video recording from within BIS.

System overview

The coupled system consists of a BIS login server, a BVMS Management Server and at least one operator workstation.

The integration is twofold: Firstly BIS uses BVMS OPC server to receive information from the video system and to transmit commands. Secondly the BIS client process communicates with the BVMS Operator Client process on the operator workstation. In this way, BIS can display live images or recordings directly with BVMS Operator Client.



- **Bosch VMS Server:** BVMS V7.0 or later on its own server hardware.
DIVAR IP 3000 and DIVAR IP 7000 are supported.
 - **BIS operator workstation:** Multi-monitor graphics card with 2 monitors.
- Note:** The BIS and the BVMS servers are installed on separate computers.

Compatibility matrix

The following combinations of BIS and Bosch VMS versions have been thoroughly tested with good results. Other combinations work as well but are not guaranteed.

	Bosch Video Management System						
	7.0	7.5	8.0	9.0	10.0	10.0.1	10.1
BIS 4.2	X						
BIS 4.3	X	X					
BIS 4.4		X	X				
BIS 4.5			X				
BIS 4.6			X	X	X	X	X
BIS 4.7						X	X
BIS 4.8							X

Functions

BIS handles the following alarms/messages from Bosch VMS:

- Camera monitoring:
 - Camera availability
 - Brightness
 - Noise
 - Motion detection
 - Recording mode
- System monitoring:
 - Relay contacts
 - Relay inputs
 - Virtual inputs
 - Encoder and decoder monitoring

BIS sends the following commands to Bosch VMS:

- Display live image from camera
- Playback from camera
- Start / stop recording
- Relays and virtual contacts

Installation/configuration notes

System prerequisites

- **BIS-Server:** BIS V4.2 or later on its own server hardware.

Technical specifications

See the specifications for the respective version of the BIS Basic Package.

Ordering information

BIS-FGEN-BVMS48 License for BVMS connectivity
License for the connection between 1 BIS and 1 BVMS installation
Order number **BIS-FGEN-BVMS48 | F.01U.386.761**

BIS-FGEN-BVMS47 License for BVMS connectivity
License for the connection between 1 BIS and 1 BVMS installation
Order number **BIS-FGEN-BVMS47 | F.01U.363.019**

BIS-FGEN-BVMS46 License for BVMS connectivity
License for the connection between 1 BIS and 1 BVMS installation
Order number **BIS-FGEN-BVMS46 | F.01U.351.059**

BIS-FGEN-BVMS45 License for BVMS connectivity
License for the connection between 1 BIS and 1 BVMS installation
Order number **BIS-FGEN-BVMS45 | F.01U.346.079**

BIS-FGEN-BVMS44 BIS 4.4 BVMS Connectivity
License for the connection between 1 BIS and 1 BVMS installation
Order number **BIS-FGEN-BVMS44 | F.01U.333.277**

BIS-FGEN-BVMS43 BIS 4.3 BVMS Connectivity

License for the connection between 1 BIS and 1 BVMS installation

Order number **BIS-FGEN-BVMS43 | F.01U.327.518**

BIS-FGEN-BVMS42 License for BVMS connectivity

License for the connection between one BIS and one BVMS installation

Order number **BIS-FGEN-BVMS42 | F.01U.320.413**

MBV-FOPC-70 License OPC feature

Expansion license to integrate a Building Integration System (BIS).

Order number **MBV-FOPC-70 | F.01U.327.176**

Represented by:**Europe, Middle East, Africa:**

Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: + 31 40 2577 284
emea.securitysystems@bosch.com
emea.boschsecurity.com

Germany:

Bosch Sicherheitssysteme GmbH
Robert-Bosch-Ring 5
85630 Grasbrunn
Germany
www.boschsecurity.com

North America:

Bosch Security Systems, LLC
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
onlinehelp@us.bosch.com
www.boschsecurity.us

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia