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**Release Notes**  
**BVMS 11.1.1 Updates SystemManager package**

Date: 19-Jan-2024

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# 1 Document History

This document is distributed online and updated on regular basis, whenever new patches or components are released and added to the package. The latest version of this document is always available on the [Bosch Security and Safety Systems Download Store](#).

Date	Version	Changes
17.03.2023	1.0	Initial release
08.05.2023	1.1	New patches added. Separate Patch ID 393949 removed, as it became part of Patch ID 405734, 393949, 393486
15.11.2023	1.2	New patches added. Several patches removed as they became part or were substituted by later patches. Updated versions of VRM and VSG are added. To reflect this, package name changed from "Patches" to "Updates"
12.12.2023	1.2 updated	Patch ID 434923, 428521 description updated
19.01.2024	1.3	New patches added. Several patches removed as they became part or were substituted by later patches.

## 2 BVMS 11.1.1 Updates System Manager package

DIVAR IP System Manager application is the central user interface that offers an easy system setup, configuration and application software upgrade for DIVAR IP all-in-one 4000, DIVAR IP all-in-one 5000, DIVAR IP all-in-one 6000 and DIVAR IP all-in-one 7000 (DIP-72xx, DIP-73xx) systems.

The BVMS\_11.1.1\_Updates\_SystemManager\_package\_1.3.zip contains a set of BVMS 11.1.1 patch installers software packages for the DIVAR IP System Manager application. It also contains updated VRM and VSG installers software packages for the DIVAR IP System Manager application. It is used to install patches and other updated components for BVMS 11.1.1 on the DIVAR IP appliances managed by the DIVAR IP System Manager.

### 2.1 Installation prerequisites and operation notes

- DIVAR IP System Manager application **version 2.1.0** or higher shall be installed and started.
- To download the BVMS 11.1.1 Updates System Manager package 1.3, go to <https://downloadstore.boschsecurity.com/>. Then, under the Software tab, select BVMS Appliances from the list and click Select.
- Locate the BVMS\_11.1.1\_Updates\_SystemManager\_package\_1.3.zip file from the list of all available software packages, and save it to a storage medium such as a USB stick.
- Unzip the files on the storage medium. Do not change the folder structure of the unzipped files.
- Connect the storage medium to your DIVAR IP system and follow instructions in the Upgrading software section of, for example, DIVAR IP all-in-one 4000 / 6000 systems User Manuals to install desired BVMS patches or components updates on your DIVAR IP.

### 2.2 List of components, compatible with BVMS 11.1.1, available in the package

- VRM 4.04.0027, refer to corresponding release notes.
- VSG 8.1.4.1 (incl. ONVIF Camera Event Driver Tool 2.1.1.4), refer to corresponding release notes.

### 2.3 List of BVMS 11.1.1 patches available in the package

ID	Description
375802	<b>FIXED:</b> View recording prohibited
382306	<b>FIXED:</b> Dragging camera from OC image pane to MG image pane not working properly
387201	<b>FIXED:</b> Proper load balancing parameters for DIVAR IP all-in-one 4000/6000 as iSCSI target within BVMS
390503, 392474	<b>FIXED:</b> Some SDK functions not working properly in alarm display
393966	<b>FIXED:</b> SDK events missing in SDK EventReceiver

ID	Description
395791	<b>FIXED:</b> Export from DVR might fail
399322	<b>FIXED:</b> Videojet 4000 multi with disabled Audio not configurable
406477	<b>FIXED:</b> CC Monitorgroup configuration slow
411732	<b>FIXED:</b> Workflow dialog opens behind alarm window
413786	<b>FIXED:</b> Frame Rate Config
406338	<b>FIXED:</b> Forensic search CPP 13 14 cam
413813 405734 393949 393486	<b>FIXED:</b> SecurityOCmaxSSHbandwidth
416329	<b>FIXED:</b> CScrash
422838 410438	<b>FIXED:</b> Replay speed, OC crash
424238	<b>FIXED:</b> Cannot add camera with spec. Firmware
432547 398760	<b>FIXED:</b> Focus near far stop not sent Onvif PTZ Delay
434923 428521	<b>FIXED:</b> Security Issue, FW9.00 improvements
429433 416177	<b>FIXED:</b> Continuous recorded tour PTZ mode USB keyboard
431696 395229	<b>FIXED:</b> No live audio SSH delay start video stream
431808 419002 399765 387477 398299 398300 398396	<b>FIXED:</b> VCA Aggregation, Tattile improvements

## 2.4 Known limitations and issues

- DIVAR IP System Manager application version 2.1.0 or above must be installed before using the BVMS 11.1.1 Updates System Manager package.
- If DIVAR IP System Manager application version 1.5.0 is used, it may become non-responsive while updating the user interface data, if many packages are installed. To avoid this, make sure you update DIVAR IP System Manager application to version 2.1.0 or above. Please see corresponding release notes for this application.

## 3 Release Notes for individual patches

### 3.1 382306: Dragging camera from OC image pane to MG image pane

<b>Patch ID:</b>	382306
<b>Patch Title:</b>	Dragging camera from OC image pane to MG image pane
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 382306 that some objects had not been serializable and are needed for drag & drop of cameras to a Monitor Group image pane.

**Problem Details:**

Issue 382306 caused the problem that dragging a camera from a standard Operator Client image pane to a Monitor Group image pane does not work.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Operator Client
- Cameo SDK

**List of Replaced Files:**

- Bosch.Cctv.DeviceApi.dll [Version 11.1.1.68]
- Bosch.Vms.Client.OpClient.CameoSystem.CameoService.dll [Version 11.1.1.68]
- Bosch.Vms.Client.Shared.StreamVisualization.dll [Version 11.1.1.68]

### 3.2 387201: Load balancing parameters for DIVAR IP all-in-one 4000/6000

<b>Patch ID:</b>	387201
<b>Patch Title:</b>	Load balancing parameters for DIVAR IP all-in-one 4000/6000
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 387201 that currently the preliminary (incorrect) load balancing parameters are used when using DIVAR IP all-in-one 4000/6000 as iSCSI target within BVMS.

**Problem Details:**

Issue 387201 caused the problem that incorrect load balancing parameters are used when using DIVAR IP all-in-one 4000/6000 as iSCSI target within BVMS which may lead to reduced recording throughput of the device or excessive number of iSCSI sessions requested from the device.

**Important Hint:**

The new values will be used in the BVMS Configuration only when the storage "DIVAR IP AIO 4000" and "DIVAR IP AIO 6000" were added after installing this Patch.

Already configured iSCSI will NOT be migrated. In such a case the values need to be adjusted manually to

not bring the devices into an overload situation.

The following values need to be adjusted:

- DIVAR IP all-in-one 4000  
Maximum bit rate: 250 Mbps  
Maximum number of iSCSI sessions: 64
- DIVAR IP all-in-one 6000  
Maximum bit rate: 400 Mbps  
Maximum number of iSCSI sessions: 128

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Config Client

**List of Replaced Files:**

- Conf\StorageConfig\SupportedStorages\storagetypes.xml

## 3.3 390503, 392474: Some SDK functions not working in alarm display

<b>Patch ID:</b>	390503, 392474
<b>Patch Title:</b>	Some SDK functions not working in alarm display
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 390503 by making certain SDK functions working in alarm display scenario. This patch fixes issue 392474 by selecting the image pane correctly when switching between rows and single row alarm panel.

**Problem Details:**

Issue 390503 caused the problem that SDK functions "GetSelectedImagePane", "GetCameraFromImagePane" and "SaveImagePane" are not working in alarm display. Issue 392474 caused the problem that no image pane is selected in single row alarm panel.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Operator Client

**List of Replaced Files:**

- Bosch.Vms.Client.OpClient.CameoSystem.CameoSpace.dll [Version 11.1.1.72]
- Bosch.Vms.Client.OpClient.CameoSystem.CameoSpace.Wpf.dll [Version 11.1.1.72]
- Bosch.Vms.ClientSDK.dll [Version 11.1.1.72]

## 3.4 393966: SDK events missing in SDK EventReceiver

<b>Patch ID:</b>	393966
<b>Patch Title:</b>	SDK events missing in SDK EventReceiver
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**



This patch fixes issue 393966 by solving the problem to not get events from the following system-devices:

- AlarmActivated, AlarmAccepted, AlarmUnaccepted, AlarmWorkflow, AlarmCleared
- OperatorAuthenticationRejected, UserAccountDisabledEvent
- LogMessage
- SystemInfoEvent, SystemWarningEvent, SystemErrorEvent
- TaskActivityState
- BackupStarted, BackupFinished, BackupFailed, BackupCameraFailed

**Problem Details:**

Issue 393966 caused the problem that SDK EventReceivers did not get events from some system-devices.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Management Server

**List of Replaced Files:**

- Bosch.Vms.Backend.CentralServer.WcfServices.EventsAndStatesService.dll [Version 11.1.1.79]

## 3.5 395791: Export from DVR fails

<b>Patch ID:</b>	395791
<b>Patch Title:</b>	Export from DVR fails
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 395791 with a increased timeout for the track search.

**Problem Details:**

Issue 395791 caused the problem that an export from DVR is not possible if the track search needs more than 5 seconds.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Management Server
- Bosch VMS Operator Client

**List of Replaced Files:**

- Bosch.Vms.VsdkToDibosAdapter.Imp.dll [Version 11.1.1.77]

## 3.6 399322: Videojet 4000 multi with disabled Audio not configurable

<b>Patch ID:</b>	399322
<b>Patch Title:</b>	Videojet 4000 multi with disabled Audio not configurable
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 399322 being able to configure Videojet 4000 multi where Audio was disabled via license.

**Problem Details:**

Issue 399322 caused the problem that Videojet 4000 multi with disabled Audio was not configurable in Config Client.

In the Operator Client Alarms are visible like "Device x.y.z could not be checked...".

**After Patch installation:**

To make the changes of the Patch effective, please do the following:

- Start Config Client.
- Use the "Update states and capabilities" functionality in the toolbar to update the device capabilities.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Management Server
- Bosch VMS Config Client

## 3.7 375802: View recording prohibited

<b>Patch ID:</b>	375802
<b>Patch Title:</b>	View recording prohibited
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 375802 in the way that the time span in which the viewing of the most recent recording is prohibited can be configured in the OperatorClient.exe.config. With this Patch the value is set to 120 seconds.

<add key="ProhibitedTimeSpanBeforeNowInSeconds" value="120"/>.

This setting would only be applicable if specific BVMS user has playback permission, but does not have live permission for a specific camera being displayed.

**Problem Details:**

Issue 375802 caused the problem that pre-/post-alarm recordings were accessible in OperatorClient on real-time even if user has no "live view" authorizations.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Operator Client

**List of Replaced Files:**

- AppData\Client\OpClient\ApplicationWiring\OperatorClient.exe.config

## 3.8 406477: Config Client Monitorgroup configuration slow

<b>Patch ID:</b>	406477
<b>Patch Title:</b>	Config Client Monitorgroup configuration slow
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 406477 by avoiding to load the camera tree for monitor configuration multiple times.

**Problem Details:**

Issue 406477 caused the problem that Monitorgroup configuration is slow with higher number of decoders in Config Client.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Config Client

**List of Replaced Files:**

- Bosch.Vms.Config.DeviceTree.Extension.AMG.dll [Version 11.1.1.95]
- Bosch.Vms.Config.DeviceTree.Extension.AMG.Wpf.dll [Version 11.1.1.95]

## 3.9 413813, 405734, 393949, 393486: Security Fix (SSH port forwarding), Operator Client "max clients reached", SSH bandwidth problem

<b>Patch ID:</b>	413813, 405734, 393949, 393486
<b>Patch Title:</b>	Security Fix (SSH port forwarding), Operator Client "max clients reached", SSH bandwidth problem
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 413813 by preventing the Operator Client to crash when logging in with an enterprise user.

This patch fixes issue 405734, preventing security issues.

CVE identification number:

CVE-2023-28175

This patch fixes issue 393949 by improving the behaviour of Operator Client during forced activations.

This patch fixes issue 393486 by improving the SSH connection and adding logging for download speed of the elements file.

**Problem Details:**

Issue 413813 caused the problem that logging in with an enterprise user leads to an Operator Client crash.

Issue 405734 caused a security problem via a vulnerability.

Issue 393949 caused the problem that after some forced activations the Operator Client shows "max clients reached" although not too many clients are connected.

Issue 393486 improves SSH connection bandwidth by latency in network.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Management Server
- Bosch VMS Operator Client
- Bosch VMS Cameo SDK

**List of Replaced Files:**

- AppData\Server\CentralServer\ServerDependenciesInjection.xml
- Bosch.Vms.Backend.Shared.SshServerConfig.dll [Version 11.1.1.110]
- Bosch.Vms.Client.OpClient.ClientScripts.Imp.dll [Version 11.1.1.110]
- Bosch.Vms.Frontend.OpClient.Communication.dll [Version 11.1.1.110]
- Bosch.Vms.Frontend.OpClient.Remoting.dll [Version 11.1.1.110]
- Bosch.Vms.Frontend.OpClient.ServerManagement.dll [Version 11.1.1.110]
- Bosch.Vms.Frontend.OpClient.Wcf.dll [Version 11.1.1.110]
- Bosch.Vms.Service.Server.Modules.SshServerConfigProvider.dll [Version 11.1.1.110]
- Bosch.Vms.Shared.Communication.WcfClient.dll [Version 11.1.1.110]
- Bosch.Vms.Shared.WebServices.Contracts.Support.dll [Version 11.1.1.110]
- BvmsSshServer.exe [Version 11.1.1.110]
- BvmsSshServer.exe.config
- Rebex.Common.dll [Version 6.0.8334.0]
- Rebex.FileServer.dll [Version 6.0.8334.0]
- Rebex.Networking.dll [Version 6.0.8334.0]
- Rebex.SshShell.dll [Version 6.0.8334.0]
- Rebex.Terminal.dll [Version 6.0.8334.0]

## 3.10 398760: Onvif PTZ Delay

<b>Patch ID:</b>	398760
<b>Patch Title:</b>	Onvif PTZ Delay
<b>Patch Target Version:</b>	BVMS-11.1.1.65

### Patch Details:

This patch fixes issue 398760 by improving Onvif PTZ operations via the BVMS Operator Client for Onvif Live only cameras.

### Problem Details:

Issue 398760 caused the problem that on some systems the PTZ operation of Onvif domes was showing delays and control problems.

### Affected Bosch VMS Components / Machines:

- Bosch VMS Management Server
- Bosch VMS Configuration Client
- Bosch VMS Operator Client

### List of Replaced Files:

- ONVIF\_VDP.dll [Version 3.6.1.1]

## 3.11 431808, 419002, 399765, 387477, 398299, 398300, 398396 - VCA Aggregation, Tattile improvements

<b>Patch ID:</b>	431808, 419002, 399765, 387477, 398299, 398300, 398396
<b>Patch Title:</b>	VCA Aggregation, Tattile improvements

<b>Patch Target Version:</b>	BVMS-11.1.1.65
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**Patch Details:**

This patch fixes issue 431808, improving the handling of the aggregation time in the VCA config on CPP4 cameras.

This patch fixes issue 419002, preventing security issues.

CVE identification numbers:

CVE-2021-3449  
CVE-2021-23841  
CVE-2020-1971  
CVE-2021-4160  
CVE-2021-23840  
CVE-2022-0778  
CVE-2022-2097  
CVE-2021-3712  
CVE-2021-3711  
CVE-2022-2068  
CVE-2022-1292  
CVE-2023-0465  
CVE-2023-0466  
CVE-2023-3817  
CVE-2022-4304  
CVE-2023-2650  
CVE-2023-0286  
CVE-2023-0464  
CVE-2022-4450  
CVE-2023-0215  
CVE-2023-4807

This patch fixes issue 399765, preventing security issues from which BVMS is not affected (nevertheless the corresponding DLL is exchanged).

This patch fixes issue 387477, preventing security issues.

CVE identification number:

CVE-2021-26701

This patch fixes issue 398299 by solving the authentication problem with regards to Tattile cameras.

This patch fixes issue 398300 by mapping the events from different Tattile cameras correctly.

This patch fixes issue 398396 by solving the problem of not showing events of Tattile cameras after changing the system.

**Problem Details:**

Issue 398299 caused the problem that the aggregation time in the VCA config is going back to zero after changing it from zero to twenty on CPP4 cameras.

Issue 419002 caused a security problem via a vulnerability.

Issue 399765 caused a security problem via a vulnerability.

Issue 387477 caused a security problem via a vulnerability.

Issue 398299 caused the problem that the authentication to a Tattile camera may fail if credentials are changed to another valid user.

Issue 398300 caused problems receiving events from different Tattile cameras as they are mapped to only one camera.

Issue 398396 caused the problem that no events (alarms) of Tattile cameras are shown if the system was changed, e.g. change port of the Tattile camera.

**Important hint:**

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After installing the patch and a reboot, the following configuration changes need to be done once.

On the camera:

1) On the Tattile camera upload the new "LPR\_Event\_Template.txt" file

In BVMS:

1) Open "Edit" dialog of Tattile

2) Press "Authenticate" to retrieve updated information from camera

3) Press "OK"

4) Check that correct "Device Serial Number" is displayed on properties tab

5) Save & Activate

This will change the configuration to use the device SN in BVMS.

#### Affected Bosch VMS Components / Machines:

- Bosch VMS Management Server
- Bosch VMS Configuration Client
- Bosch VMS Operator Client
- Bosch VMS Cameo SDK
- Tattile camera

#### List of Replaced Files:

- AppData\LPR\_Event\_Template.txt
- AppData\Client\OpClient\ApplicationWiring\CameoSdk\CameoSdkOnly.config
- AppData\Server\DeviceAdapter\Spring.Lpr.ServerSettings.xml
- Bosch.Vms.Backend.CentralServer.WcfServices.LicensePlateReaderService.dll [Version 11.1.1.123]
- Bosch.VMS.Backend.DeviceAdapter.TattileAdapter.dll [Version 11.1.1.123]
- Bosch.Vms.Config.VcsConfigHelper.dll [Version 11.1.1.123]
- Bosch.Vms.Server.Lpr.LprAdapter.dll [Version 11.1.1.123]
- BvmsCentralServer.exe.config
- ConfigClient.exe.config
- ConfigWizard.exe.config
- DotNetZip.dll [Version 1.16.0.0] exchanges former Ionic.Zip.dll
- ExportPlayer.exe.config
- libcrypto-3-x64.dll [Version 3.0.11.0] exchanges former libcrypto-1\_1-x64.dll
- libssl-3-x64.dll [Version 3.0.11.0] exchanges former libssl-1\_1-x64.dll
- net-config2.dll [Version 4.41.49.12347]
- netConfigUm2.dll [Version 4.41.49.12347]
- ntcp.dll [Version 2.2.0.0]
- ntcpsdk.NET.dll [Version 2.2.0.0]
- ObjectRepository.Vms.ImportExport.dll [Version 11.1.1.123]
- OperatorClient.exe.config
- System.Text.Encodings.Web.dll [Version 4.700.21.11602]
- VL\_ConfigManager.dll [Version 7.51.97.0]
- licenses\opensource\OpenSourceLicenses.txt
- licenses\opensource\component\_licenses\tattile\_open\_source\_licenses.txt
- licenses\opensource\component\_licenses\THIRD-PARTY-NOTICES\_DotNetZip.TXT

## 3.12 406338: Forensic search not working for CPP 14 and 13 cameras

<b>Patch ID:</b>	406338
<b>Patch Title:</b>	Forensic search not working for CPP 14 and 13 cameras

<b>Patch Target Version:</b>	BVMS-11.1.1.65
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**Patch Details:**

This patch fixes issue 406338 by improving Forensic Search support for CPP 14 and 13 cameras running latest FW versions.

**Problem Details:**

Issue 406338 caused the problem that Forensic Search could not be executed on CPP13 and CPP14 camera devices.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Operator Client

**List of Replaced Files:**

- Bosch.VideoSDK5.Core\vca\_plugins\plugin\_iva.dll [Version 4.45.2.0]
- Bosch.VideoSDK5.Core\vca\_plugins\plugin\_iva\_de.ts
- Bosch.VideoSDK5.Core\vca\_plugins\plugin\_iva\_us.ts
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\ConditionChangedWizard.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\CountingWizard.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\CrossingLinesWizard.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\CrowdDetectorWizard.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\EnteringFieldWizard.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\FollowingRouteWizard.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\IdleObjectWizard.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\LeavingFieldWizard.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\LineCounter.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\LoiteringWizard.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\MotionRegionDetectorWizard.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\ObjectInFieldWizard.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\OccupancyCounter.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\PeopleCounter.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\RemovedObjectWizard.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\SimilaritySearchWizard.xml
- Bosch.VideoSDK5.Core\vca\_plugins\iva\_wizard\TamperDetectorWizard.xml

## 3.13 411732: Workflow dialog opens behind maximized alarm window

<b>Patch ID:</b>	411732
<b>Patch Title:</b>	Workflow dialog opens behind maximized alarm window
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 411732 by enhancing the workflow dialog being in front of Operator Client windows in fullscreen mode.

**Problem Details:**

Issue 411732 caused the problem that the workflow dialog is behind the Operator Client windows and cannot be opened.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Operator Client

**List of Replaced Files:**

- Bosch.Vms.Client.OpClient.Alarms.AlarmWorkflow.dll [Version 11.1.1.104]

### 3.14 413786: Frame rate configuration not set

<b>Patch ID:</b>	413786
<b>Patch Title:</b>	Frame rate configuration not set
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 413786 by enabling the correct stream configuration to be set.

**Problem Details:**

Issue 413786 caused the problem that the frame rate configuration was not applied to the camera.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Management Server

**List of Replaced Files:**

- DeviceConfigurator.xml

### 3.15 429433, 416177 - Continuous recorded tour of PTZ camera stops, PTZ mode for USB keyboard not enabled/disabled

<b>Patch ID:</b>	429433, 416177
<b>Patch Title:</b>	Continuous recorded tour of PTZ camera stops, PTZ mode for USB keyboard not enabled/disabled
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 429433 by improving the mechanism to enable / disable the PTZ mode for USB keyboards.

This patch fixes issue 416177 by fixing Dome camera selection problems when changing PTZ mode.

**Problem Details:**

Issue 429433 caused the problem that the PTZ mode for USB keyboards is not enabled/disabled by adding/removing a PTZ camera from the Operator Client with the mouse.

Issue 416177 caused the problem that a continuous recorded tour of a PTZ camera stops when selecting another PTZ camera image pane.



**Affected Bosch VMS Components / Machines:**

- Bosch VMS Operator Client

**List of Replaced Files:**

- AppData\Client\OpClient\Components\Spring.Keyboard.xml
- AppData\Client\OpClient\Components\Spring.StateDispatcher.StateProviders.xml
- AppData\Client\OpClient\Components\Spring.StateDispatcher.xml
- Bosch.Vms.Client.OpClient.DczKeyboard.Imp.dll [Version 11.1.1.124]
- Bosch.Vms.Client.OpClient.Keyboard.PlugInClient.dll [Version 11.1.1.124]
- Bosch.Vms.Client.OpClient.Ptz.PtzController.dll [Version 11.1.1.124]

## 3.16 416329: Central Server crash

<b>Patch ID:</b>	416329
<b>Patch Title:</b>	Central Server crash
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 416329 by improving the handling of textdata recording.

**Problem Details:**

Issue 416329 caused the problem that the Central Server crashed if a Flexidome multi 7000i camera added without password set and not authenticated in Config Client (textdata recording for this camera was enabled for an alarm) and the configuration was activated.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Management Server
- Bosch VMS Config Client

**List of Replaced Files:**

- ObjectRepository.Vms.ObjectRepositoryAccessor.dll [Version 11.1.1.109]

## 3.17 422838, 410438: Replay speed, Operator Client crash

<b>Patch ID:</b>	422838, 410438
<b>Patch Title:</b>	Replay speed, Operator Client crash
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 422838 by improving the playback speed for long GOPs and I-frame-only

This patch fixes issue 410438 to prevent the Operator Client to crash / hang when doing a fast rewind with speed 8 and higher.

**Problem Details:**

Issue 422838 caused the problem that sometimes replay with x4 speed was too fast, while x8 speed was too slow.

Issue 410438 caused the problem that the Operator Client crashes / hangs when doing a fast rewind with speed 8 and higher.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Operator Client

**List of Replaced Files:**

- Bosch.Vms.Client.OpClient.VideoComp.Impl.dll [Version 11.1.1.113]

## 3.18 424238: Cannot add camera with specific Firmware

<b>Patch ID:</b>	424238
<b>Patch Title:</b>	Cannot add camera with specific Firmware
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 424238 by improving to read device capabilities for CPP6, CPP7 and CPP7.3 devices to support Firmware version 7.87 via scan and wizard.

Remark: Manual add will still not be supported due to Firmware restrictions. Will be supported from BVMS 12.0.1 onwards.

**Problem Details:**

Issue 424238 caused the problem that CPP6, CPP7 and CPP7.3 cameras with latest Firmware version 7.87 cannot be added to BVMS, due to new restrictions in latest Firmware versions.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Config Client
- Bosch VMS Config Wizard

**List of Replaced Files:**

- Bosch.Vms.Frontend.Shared.RcppCapabilities.dll [Version 11.1.1.114]
- Bosch.Vms.Frontend.Shared.RcppCapabilities.Imp.dll [Version 11.1.1.114]

## 3.19 434923, 428521: Security Issue, FW9.00 improvements

<b>Patch ID:</b>	434923, 428521
<b>Patch Title:</b>	FW9.00 improvements
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 434923 by solving camera communication problems for devices running FW9.00 when using secure connection.

REMARK: This patch will allow secure communication with the camera already added to the system. Next to this patch it is also highly recommended to apply the patch "424238 - Cannot add camera with specific Firmware" which resolves some issues when adding the camera to the system.

For further, detailed explanation please refer to the Knowledge Base article: <https://community.boschsecurity.com/t5/Security-Video/BVMS-compatibility-with-security-enhanced-camera-firmware/ta-p/87049>

Please note that in order to guarantee fully functional usage of camera running FW9.00 it is recommended to upgrade BVMS at least to version 12.0.1 (with the patch "429121, 418648, 425002 - FW8.90 improvements") or 12.1.

This patch also fixes issue 428521, preventing security issues.  
CVE identification number: CVE-2023-35867

**Problem Details:**

Issue 428521 caused a security problem via a vulnerability.

Issue 434923 caused the problem that when secure connections are configured no communication can be established with cameras using FW9.00.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Management Server
- Bosch VMS Operator Client
- Bosch VMS Config Client
- Bosch VMS Cameo SDK

**List of Replaced Files:**

- bin\Bosch.Rcpp\rcpp4x64.dll [Version 5.2.0.67]
- bin\Bosch.VideoSDK5.BVIP\rcpp4x64.dll [Version 5.2.0.67]

## 3.20 431696, 395229 - No live audio SSH, delay start video stream

<b>Patch ID:</b>	431696, 395229
<b>Patch Title:</b>	No live audio SSH, delay start video stream
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 431696 by using the correct transport protocol (TCP) for audio streams in case of SSH.

This patch fixes issue 395229 by improving the connection string which is used for iTracking RCP connections.

**Problem Details:**

Issue 431696 caused the problem that during Live no audio was available if connection to the Central Server was established through SSH tunnel.

Issue 395229 caused a delayed start of the video stream if the camera was connected the first time.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Operator Client

**List of Replaced Files:**

- AppData\Client\OpClient\ApplicationWiring\Nvr\Spring.Audio.xml
- AppData\Client\OpClient\Components\Spring.VideoApi.Implementation.xml
- Bosch.Vms.Client.OpClient.CameoSystem.CameoContent.Support.dll [Version 11.1.1.121]
- Bosch.Vms.Client.OpClient.Nvr.dll [Version 11.1.1.121]
- Bosch.Vms.Client.OpClient.VideoApi.dll [Version 11.1.1.121]

## 3.21 432547, 398760: Focus near/far stop not sent, Onvif PTZ Delay

<b>Patch ID:</b>	432547
<b>Patch Title:</b>	Focus near/far stop not sent, Onvif PTZ Delay
<b>Patch Target Version:</b>	BVMS-11.1.1.65

**Patch Details:**

This patch fixes issue 432547 by solving the error that no stop command send when sending focus near/focus for to an Onvif PTZ camera.

This patch fixes issue 398760 by improving Onvif PTZ operations via the BVMS Operator Client for Onvif Live only cameras.

**Problem Details:**

Issue 432547 caused the problem that sending focus near/focus for to an Onvif PTZ camera there is no stop command send.

Issue 398760 caused the problem that on some systems the PTZ operation of Onvif domes was showing delays and control problems.

**Additional Hint:**

This Patch addresses PTZ operations for Onvif Live only cameras via the Operator Client.

Sending PTZ commands to VSG attached Onvif cameras is still affected. Dedicated VSG Patch is required to address same topic there.

**Affected Bosch VMS Components / Machines:**

- Bosch VMS Management Server
- Bosch VMS Configuration Client
- Bosch VMS Operator Client

**List of Replaced Files:**

- ONVIF\_VDP.dll [Version 3.6.2.2]