

## **Release notes**

### **BVMS 12.2.0 Updates SystemManager package**

Date: 20-Mar-2025

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# 1 Document History

✘ This document is distributed online and updated on regular basis, whenever new patches 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
20.06.2024	1.0	Initial release - for BVMS Cumulative Patch 2
21.10.2024	1.1	Updated for BVMS Cumulative Patch 3 + VRM 4.41.0020 + VSG 9.2.1.2 + Transcoder 7.10.62
19.11.2024	1.2	Updated for VRM 4.42.0028
07.02.2025	1.3	Updated for BVMS Cumulative Patch 5
20.03.2025	1.4	Updated for BVMS Cumulative Patch 6

## 2 BVMS 12.2.0 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, DIP-74xx) systems. The BVMS\_12.2.0\_Updates\_SystemManager\_package\_1.6.zip contains a BVMS 12.2.0 Cumulative Patch 6 patch installer software package for the DIVAR IP System Manager application. It also contains updated VRM, VSG, and Transcoder Service installer software packages for the DIVAR IP System Manager application. It is used to install the patch and other updated components for BVMS 12.2.0 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 2.3.2** or higher shall be installed and started.
- To download the BVMS 12.2.0 Updates System Manager package 1.6, go to <https://downloadstore.boschsecurity.com/>. Then, under the Software tab, select BVMS Appliances from the list and click Select.
- Locate the BVMS\_12.2.0\_Updates\_SystemManager\_package\_1.6.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 12.2.0, available in the package

- VRM 4.42.0028, refer to corresponding release notes
- VSG 9.2.1.2, refer to corresponding release notes
- Transcoder Service 7.10.62

### 2.3 Known limitations and issues

- N/A

### 3 BVMS 12.2 - Cumulative Patch history

No.	Patch version	Release Date
1	Cumulative Patch 1	04.06.2024
2	Cumulative Patch 2	08.06.2024
3	Cumulative Patch 3	15.10.2024
4	Cumulative Patch 4	20.11.2024
5	Cumulative Patch 5	20.01.2025
6	Cumulative Patch 6	20.02.2025

# 4 Patches included in the Cumulative Patch 6 for BVMS 12.2

## 4.1 Overview

No.	Name of the fix	Included in
1	434867 - Instant replay display issues	Cumulative Patch 6,5,4,3,2,1
2	454258 - State update of Virtual Inputs	Cumulative Patch 6,5,4,3,2
3	461469 - I-frame problems for CPP13 and CPP14 cameras	Cumulative Patch 6,5,4,3
4	465447 - Operator Client crash with Axis metadata streams	Cumulative Patch 6,5,4,3
5	463213 - Timeline view performance problems	Cumulative Patch 6,5,4,3
6	464025 - SSH not working for CameoSDK	Cumulative Patch 6,5,4,3
7	456230 - LDAP SSO login issues	Cumulative Patch 6,5,4,3
8	461659 - Login issues using CameoSDK	Cumulative Patch 6,5,4,3
9	455696 - Black screen for Axis cameras	Cumulative Patch 6,5,4,3
10	466016 - High CPU load with ADAM devices	Cumulative Patch 6,5,4
11	462731 - Increased CPU load	Cumulative Patch 6,5,4
12	463959 - SSH link for CSV file import	Cumulative Patch 6,5,4
13	464745 - Operator Client crashing	Cumulative Patch 6,5
14	464761 - FQDN missing in the certificate	Cumulative Patch 6,5
15	468180 - Config Client crashing with VCA configuration	Cumulative Patch 6,5
16	471029 - Licensing problem	Cumulative Patch 6,5
17	468194 - Errors when retrieving video stream during playback	Cumulative Patch 6,5
18	465633 - Camera name cut to 31 characters	Cumulative Patch 6,5
19	463115 - OIDC login via proxy servers	Cumulative Patch 6,5
20	465834 - Protect/Unprotect improvements for with bigger number of cameras	Cumulative Patch 6,5

No.	Name of the fix	Included in
21	470057 - OIDC support for web browser	Cumulative Patch 6

## 4.2 Detailed Release Notes for the patch

<b>Patch ID:</b>	470057, 464745, 464761, 468180, 471029, 468194, 465633, 463115, 465834, 466016, 462731, 463959, 461469, 465447, 463213, 464025, 456230, 461659, 455696, 434867, 454258
<b>Patch Title:</b>	BVMS 12.2 - Cumulative Patch 6
<b>Patch Target Version:</b>	BVMS-12.2.0.296

### 4.2.1 Patch Details:

This patch fixes issue 470057 by supporting the standard web browser of the system.

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 This patch fixes issue 464745 by preventing the Operator Client to crash.

This patch fixes issue 464761 by displaying the Fully Qualified Domain Name (FQDN) in the BvmsAuth certificate.

This patch fixes issue 468180 by preventing the Config Client to crash when the metadata tab under VCA is selected with CPP13 and CPP14 cameras.

This patch fixes issue 471029 by license improvements.

This patch fixes issue 468194 by showing playback errors in cameo if the following Registry Key exists.

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Bosch\BVMS\ImageDecoder]

"ShowPlaybackErrorsInCameo"=dword:00000001

This patch fixes issue 465633 by using camera names up to 63 characters (Logbook part available with BVMS 12.3).

This patch fixes issue 463115 by improving the OIDC login via proxy server.

#### Manual action:

When using a proxy for OIDC connection you need to add your proxy address in the file "appsettings.json" in the folder \bin\AuthorizationService

of the section "Proxysettings". Save the file and restart the "BVMS Authorization Service" via the Services manager in Windows.

This patch fixes issue 465834 by improving the protect / unprotect functionality in Operator Client.

It is recommended to use the VRM 4.42.28, as a corresponding bugfix was also done in VRM (can be downloaded separately).

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 This patch fixes issue 466016 by improvements with regards to the ThreadPool of AdamDevices.

This patch fixes issue 462731 by improving the BVMS Management Server (Central Server).

This patch fixes issue 463959 by improving the import of unmanaged sites via CSV.

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 This patch fixes issue 461469 by improving the i-Frame request handling.

This patch fixes issue 465447 by preventing the Operator Client to crash.

This patch fixes issue 463213 by improving the performance of the timeline view in Operator Client.

This patch fixes issue 464025 by allowing SSH connections in CameoSDK.

This patch fixes issue 456230 by improving the login via LDAP SSO.

This patch fixes issue 461659 by improving the CameoSDK integration.

This patch fixes issue 455696 by improving the H264 video packet handling. The Video Streaming Gateway (VSG) 9.2.1.2 is needed.

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 This patch fixes issue 434867 by improving video streaming when starting instant playback.

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 This patch fixes issue 454258 by improving the state update of virtual inputs.

## 4.2.2 Problem Details:

Issue 470057 caused the problem that with OIDC authentication the WebView2 control does not support plugins.

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Issue 464745 caused the Operator Client to crash.

Issue 464761 caused the problem that the Fully Qualified Domain Name (FQDN) was missing in the BvmsAuth certificate.

Issue 468180 caused the Config Client to crash when the metadata tab under VCA is selected with CPP13 and CPP14 cameras.

Issue 471029 caused a licensing problem.

Issue 468194 caused that the error message "error while retrieving video stream (code 3)" is shown for a camera in playback mode when moving the camera to a cameo.

A video is shown instead of the error message if the user jumps to an earlier point in the timeline.

Issue 465633 caused the problem that camera names always cut to 31 characters in the camera config.

Issue 463115 caused the problem that OIDC login via proxy server is not possible.

Issue 465834 caused the problem that the protect / unprotect functionality in Operator Client was not working reliable if a lot of cameras are involved.

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Issue 466016 caused the problem that the Management Server (Central Server) has sometimes high CPU usage in the area of using AdamDevices.

Issue 462731 caused the problem that the Management Server (Central Server) has sometimes high CPU usage.

Issue 463959 caused the problem that SSH connection URL for DIPs/BVMS are not supported, when importing unmanaged sites via CSV.

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Issue 461469 caused too many i-Frame requests for CPP13 & CPP14 cameras if during livestream UDP packages get lost.

Issue 465447 caused the problem that the Operator Client crashes if specific Metadata in Axis camera is enabled.

Issue 463213 caused the problem of a slow performance of the timeline view in Operator Client.

Issue 464025 caused the problem that with CameoSDK no ssh connection possible.

Issue 456230 caused the problem that logging in with LDAP SSO is not possible.

Issue 461659 caused the problem that logging into individual sites using the CameoSDK integration, "WrongSchedule" issue appears.

Issue 455696 caused the problem that black screen is shown in live view using Axis camera via VSG with H264.

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Issue 434867 caused the problem that black video is shown while going to instant playback on alarm.

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Issue 454258 caused the problem that the state of virtual inputs does not update correctly unless you are in the logical tree or when you move to the logical tree.

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## 4.2.3 Affected Bosch VMS Components / Machines:

- Bosch VMS Management Server
- Bosch VMS Operator Client
- Bosch VMS Configuration Client
- Bosch VMS Cameo SDK
- Video Streaming Gateway (VSG) 9.2.1.2, needs to be downloaded separately

## 4.2.4 List of Replaced Files:

- AppData\Client\OpClient\ApplicationWiring\OpClient\Spring.Bootstrap.xml
- AppData\Server\CentralServer\DeviceConfigurator.xml
- Conf\DeviceConfig\groups\Camera\_ALC\_AutoDome\_xx\_7000.xml
- AuthorizationService\appsettings.json
- AuthorizationService\BvmsAuthorizationService.dll [Version 12.2.0.319]
- AuthorizationService\BvmsAuthorizationService.exe [Version 12.2.0.319]
- Bosch.Utilities.dll [Version 12.2.0.325]
- Bosch.Vms.CameoSdk.Core.dll [Version 12.2.0.309]
- Bosch.Vms.Client.OpClient.Application.ClientSupport.dll [Version 12.2.0.325]



- Bosch.Vms.Client.OpClient.Common.Wpf.dll [Version 12.2.0.325]
- Bosch.Vms.Client.OpClient.Dibos.ArchiveAction.dll [Version 12.2.0.317]
- Bosch.Vms.Client.OpClient.VideoComp.ImageDecoder.Control.dll [Version 12.2.0.320]
- Bosch.Vms.Client.OpClient.VideoComp.Impl.dll [Version 12.2.0.324]
- Bosch.Vms.Config.DeviceTree.Extension.UnmonitoredSiteExtensions.dll [Version 12.2.0.312]
- Bosch.Vms.Config.VcsConfigHelper.dll [Version 12.2.0.318]
- Bosch.Vms.Core.IUserAuthenticationService.dll [Version 12.2.0.303]
- Bosch.Vms.Core.UserAuthenticationCommon.dll [Version 12.2.0.303]
- Bosch.Vms.Core.UserAuthenticationLdap.dll [Version 12.2.0.303]
- Bosch.Vms.Frontend.OpClient.ObjectStateTable.Impl.dll [Version 12.2.0.298]
- Bosch.Vms.Frontend.OpClient.OpClientLogOn.dll [Version 12.2.0.325]
- Bosch.Vms.Frontend.OpClient.ServerManagement.dll [Version 12.2.0.325]
- Bosch.Vms.Frontend.OpClient.StateService.dll [Version 12.2.0.298]
- Bosch.Vms.Frontend.OpClient.UiStrings.dll [Version 12.2.0.325]
- Bosch.Vms.Frontend.OpClient.Wcf.dll [Version 12.2.0.298]
- Bosch.Vms.Frontend.Shared.ConfigurationApi.If.dll [Version 12.2.0.318]
- Bosch.Vms.Frontend.Shared.RcppCapabilities.dll [Version 12.2.0.318]
- Bosch.Vms.Frontend.Shared.RcppCapabilities.Impl.dll [Version 12.2.0.318]
- Bosch.Vms.Server.AdamAdapter.dll [Version 12.2.0.316]
- Bosch.Vms.Server.AuthConfigurationService.Impl.dll [Version 12.2.0.323]
- Bosch.Vms.Server.FeatureSupport.dll [Version 12.2.0.321]
- Bosch.Vms.Service.Server.Modules.Vcs.VcsDeviceConfigurator.Impl.dll [Version 12.2.0.318]
- Bosch.Vms.Service.Server.Modules.Vcs.VcsService.dll [Version 12.2.0.315]
- Bosch.Vms.Shared.Licensing.dll [Version 12.2.0.321]
- Bosch.Vms.Shared.ScheduleManager.dll [Version 12.2.0.302]
- Bosch.Vms.Shared.UserAuthentication.UserAuthenticationService.UserManagementLdap.dll [Version 12.2.0.303]
- Bosch.Vms.Shared.Vcs.RcpCallSequencer.dll [Version 12.2.0.318]
- Bosch.Vms.Shared.Vcs.RcpCallSequencer.Impl.dll [Version 12.2.0.318]
- Bosch.Win32.dll [Version 12.2.0.325]
- BVIP\_VDP2.dll [Version 3.10.0.49]
- BvmsCentralServer.exe.config
- ConfigClient.exe.config
- ConfigWizard.exe.config
- DecoderLibrary.dll [Version 2.12.2.209]
- ExportPlayer.exe [Version 12.2.0.325]
- GCA2.dll [Version 6.40.20.29576]
- OperatorClient.exe [Version 12.2.0.325]
- OperatorClient.exe.config
- rcppmedia.dll [Version 3.10.40.0]
- VL\_ConfigManager.dll [Version 7.72.128.0]