Release Notes
BVMS 12.1.0 Updates SystemManager package

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Table of Contents

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
26.03.2023	1.0	Initial release - for BVMS Cumulative Patch 3

2 BVMS 12.1.0 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) systems.

The BVMS_12.1.0_Updates_SystemManager_package_1.3.zip contains a BVMS 12.1.0 Cumulative Patch 3 patch installer software package for the DIVAR IP System Manager application. It is used to install the patch for BVMS 12.1.0 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 2.3.0** or higher shall be installed and started.
- To download the BVMS 12.1.0 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_12.1.0_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 Known limitations and issues

- After installing the patch, it is necessary to initiate a configuration change on the server side, activate the new configuration, and then log in again with your user account. Additionally, make sure to restart all running Operator Client instances to apply the newly activated configuration.

3 Patches included in the Cumulative Patch 3 for BVMS 12.1

3.1 Overview

No.	Name of the fix	Included in
1	440029 - Filtering PTZ commands	Cumulative Patch 3, Cumulative Patch 1
2	441937 - Slowing down MP4 exported video	Cumulative Patch 3
3	445686 - Delay in the first PTZ movement	Cumulative Patch 3
4	448513 - Operator Client login issue and server stability after the restart or activation of configuration	Cumulative Patch 3

3.2 Detailed Release Notes for the patch

Patch ID:	448513, 445686, 441937, 440029
Patch Title:	BVMS 12.1 - Cumulative Patch 3
Patch Target Version:	BVMS-12.1.0.414

3.2.1 Patch Details:

This patch fixes issue 448513 by improving the login of Operator Client.

Important hints:
The Patch for issue 448513 needs to be installed on the Management Server. It is optional for the Operator Client machines only if further problems occur.

NOTE - Manual action required:
After installing the patch, it is necessary to initiate a configuration change on the server side, activate the new configuration, and then log in again with your user account.
Additionally, make sure to restart all running Operator Client instances to apply the newly activated configuration.

This patch fixes issue 445686 by improving the session handling for the PTZ connection.
This patch fixes issue 441937 by improvements in the area of mov-/mp4-exports.
This patch fixes issue 440029 by filtering out same zoom commands and optimizes PTZ command frequency with granularity adjustment.
The granularity for pan and tilt movements can be set in the OperatorClient.exe.config file. The key is "PtzGranularity" and its default value is "10".
It specifies the smallest step size for the pan and tilt speed adjustments.
Lower values allow for finer control, while higher values result in coarser adjustments.

Important hint:
Please use only allowed values for the "PtzGranularity", which are: 1, 2, 4, 5, 10, 20, 25, 50, 100

3.2.2 Problem Details:

Issue 448513 caused the problem that the login of the Operator Client has a very high delay.

Issue 445686 caused the problem of a delay in starting the first PTZ movement.
Issue 441937 caused the problem that in mov- or mp4-exports the video is shown with low frame frate and either delayed or no audio.
Issue 440029 caused the problem that the Video Stream stops while giving PTZ commands.

Affected Bosch VMS Components / Machines:

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

List of Replaced Files:

- AppData\Client\OpClient\Components\Spring.Bootstrap.xml
- AppData\Shared\Spring.HashEngine.xml
- Bosch.Vms.CameoSdk.Core.dll [Version 12.1.0.422]
- Bosch.Vms.Client.OpClient.Ptz.PtzController.dll [Version 12.1.0.422]
- Bosch.Vms.Client.Shared.PtzController.dll [Version 12.1.0.415]
- Bosch.Vms.Frontend.OpClient.Communication.dll [Version 12.1.0.422]
- Bosch.Vms.Frontend.OpClient.ServerManagement.dll [Version 12.1.0.426]
- Bosch.Vms.Frontend.OpClient.Wcf.dll [Version 12.1.0.426]
- Bosch.Vms.Server.UserAuthenticationService.dll [Version 12.1.0.426]
- Bosch.Vms.Shared.Dome.Services.dll [Version 12.1.0.422]
- Bosch.Vms.Shared.Export.Mpeg.ArchiveStreamProvider.dll [Version 12.1.0.416]
- Bosch.Vms.Shared.Export.Mpeg.FfMpegFacade.dll [Version 12.1.0.416]
- OperatorClient.exe.config