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1 Introduction

DIVAR IP units can be upgraded to BVMS 11.0 or later versions. Starting with BVMS 11.0, the BVMS licensing scheme also applies to the DIVAR IP units. This document describes which units you can upgrade to BVMS 11.0 or later and which licenses you have to order for a DIVAR IP unit.

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2 Document history

Date	Version	Changes
2021-05-20	Version 1.0	Initial White Paper: BVMS on DIVAR IP licensing
2023-03-22	Version 2.0	Updated - added information about DIVAR IP aio 4000 / 6000
2023-06-12	Version 2.1	Minor adjustments of version naming
2023-07-05	Version 2.2	Corrections for license types

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3 DIVAR IP units only available with BVMS 11.1.1 or later

The following DIVAR IP units were introduced with BVMS 11.1.1, so can only be used with the new licensing scheme:

	DIVAR IP AIO 4000 (DIP-44)	DIVAR IP AIO 6000 (DIP-64)
DIVAR IP hardware available when?	From Q1/2023 onwards	From Q1/2023 onwards
Operating system	Windows Storage Server 2022	Windows Storage Server 2022
Max. channels; bandwidth, storage	32 ch / 250 Mbits / 2*18TB	64 ch / 400 Mbits / 4*18TB
Initial BVMS version	BVMS 11.1.1	BVMS 11.1.1

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4 Licensing for new DIVAR IP units (new licensing scheme)

Overview

DIVAR IP aio 4000 and DIVAR IP aio 6000 appliances were introduces in 2023, so from the beginning they are only available with new licensing model.

Those devices are using:

- Lite (DIP aio 4000)
- Plus (DIP aio 6000)

licensing schemes, but with slightly different channel limits. Details are explained below.

DIVAR IP aio 4000

The licenses of the DIVAR IP aio 4000 unit belong to the BVMS Lite editions. The main difference between the licenses for DIP-44 unit and the BVMS software only Lite edition is the base package. Additionally, for DIP-44 the upper limit for channels is lower (32).

The DIVAR IP aio 4000 unit comes with a free of charge pre-licensed starting package, which is enabled when booting the system. If you want to expand the system to more than 8 channels, you have to install the DIP specific base package MBV-BLIT-DIP.

	DIVAR IP aio 4000 (DIP-44)		
Running the unit with the default free of charge package (not registered in Remote Portal)			
Factory pre-licensed	8 channel package		
Expansion to more than the free of charge pre-license			
Base package	MBV-BLIT-DIP (32 channels)		
Expansion package	BVMS LIT expansion packages		

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DIVAR IP aio 4000 licensing overview:

MBV-BLIT-DIP	included	maximal	Expansion CTN
Channels	32	32	n.a.
Workstations	2	5	MBV-XWSTLIT
DVR's	1	10	MBV-XDVRLIT
Keyboards	2	5	MBV-XKBDLIT
Mobile video services	1	1	n.a.
Intrusion Panels	1	5	MBV-XINTLIT
Failover VRM channels	8	32	MBV-XFOVLIT
Dual recording channels	8	32	MBV-XDURLIT
LPR channels	0	5	MBV-XLPRLIT
Online map functionality	0	1	MBV-FMAPLIT
Map-based tracking assistant	0	1	MBV-FOBJLIT
Privacy overlay	0	1	MBV-FPRILIT

DIVAR IP aio 6000

The licenses of the DIVAR IP aio 6000 unit belong to the BVMS Plus edition. The main difference between the licenses of a DIP-64 unit and the BVMS software only Plus edition is the base package. Additionally, for DIP-64 the upper limit for channels is lower (64).

The DIVAR IP aio 6000 unit comes with a free of charge pre-licensed starting package, which is enabled when booting the system. If you want to expand the system to more than 8 channels, you have to install the DIP specific base package MBV-BPLU-DIP.

	DIVAR IP aio 6000 (DIP-64)		
Running the unit with the default free of charge package (not registered in Remote Portal)			
Factory pre-licensed	8 channel package		
Expansion to more than the free of charge package			
Base package	MBV-BPLU-DIP (32 channels)		

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Expansion package

BVMS PLU expansion packages

DIVAR IP aio 6000 licensing overview:

MBV-BPLU-DIP	included	maximal	Expansion CTN
Channels	32	64	MBV-XCHANPLU
Workstations	5	20	MBV-XWSTPLU
DVR's	1	10	MBV-XDVRPLU
Keyboards	5	10	MBV-XKBDPLU
Mobile video services	1	4	MBV-XMVSPLU
Subsystems	0	20	MBV-XSUBPLU
Intrusion Panels	1	10	MBV-XINTPLU
Failover VRM channels	8	64	MBV-XFOVPLU
Dual recording channels	8	64	MBV-XDURPLU
Unmanaged Site	1	20	MBV-XSITEPLU
LPR channels	0	10	MBV-XLPRPLU
Online map functionality	0	1	MBV-FMAPPLU
Map-based tracking assistant	0	1	MBV-FOBJPLU
Privacy overlay	0	1	MBV-FPRIPLU

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5 DIVAR IP units to be upgraded to BVMS 11.0 or later

	DIVAR IP aio 7000	DIVAR IP aio 7000	DIVAR IP 7000	DIVAR IP aio 5000
	(DIP-73)	(DIP-72)	(DIP-71)	(DIP-52)
DIVAR IP hardware available when?	From Q2/2021 onwards	Until Q3/2021	Until Q4/2020	Until end of 2022
Operating system	Windows Server IoT 2019	Windows Storage	Windows Storage	Windows Storage
	for Storage	Server 2016	Server 2012 R2	Server 2016
Max. channels;	256 ch / 550 Mbits /	256 ch / 550 Mbits /	128 ch / 550 Mbits /	42 ch / 170 Mbits /
bandwidth, storage	16*12TB	16*12TB	16*8TB	4*12TB

Note:

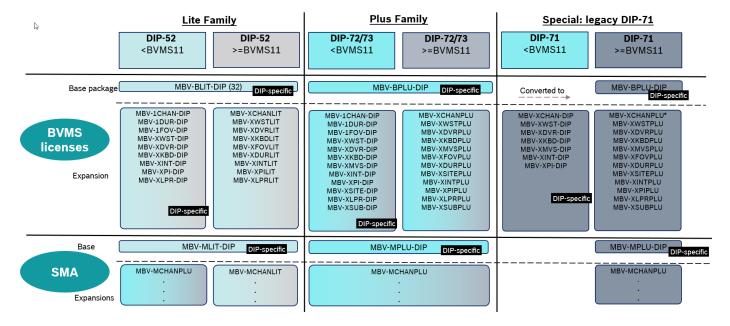
DIVAR IP 3000 units and DIVAR IP 7000 units (DIP-70) can not be upgraded to BVMS 11.0 due to the Windows operating system limitations.

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6 DIVAR IP licenses before and after the upgrade to BVMS 11.0 or later

Overview

Starting with BVMS 11.0, the licensing scheme of the DIVAR IP unit is merged with the BVMS licensing.



DIVAR IP aio 5000

The licenses of the DIVAR IP aio 5000 unit belong to the BVMS Lite editions. Starting with BVMS 11.0, the only difference between the licenses for DIP-52 unit and the BVMS software only edition is the base package.

The DIVAR IP 52 unit comes with a free of charge pre-licensed starting package, which is enabled when booting the system. If you want to expand the system to more than 8 channels, you have to install the DIP specific base package MBV-BLIT-DIP.

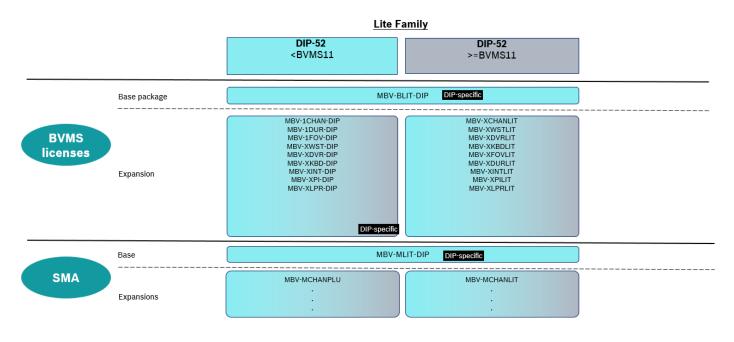
	DIVAR IP aio 5000 (DIP-52)		
Running the unit with the default free of charge package (not registered in Remote Portal)			
Factory pre-licensed	8 channel package		
Expansion to more than the free of charge package			
Base package	MBV-BLIT-DIP (32 channels)		
Expansion package	BVMS LIT expansion packages		

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DIVAR IP aio 5000 licensing overview:

MBV-BLIT-DIP	included	maximal	Expansion CTN
Channels	32	42	MBV-XCHANLIT
Workstations	2	5	MBV-XWSTLIT
DVR's	1	10	MBV-XDVRLIT
Keyboards	2	5	MBV-XKBDLIT
Mobile video services	1	1	n.a.
Intrusion Panels	1	5	MBV-XINTLIT
Failover VRM channels	8	42	MBV-XFOVLIT
Dual recording channels	8	42	MBV-XDURLIT
LPR channels	0	5	MBV-XLPRLIT
Online map functionality	0	1	MBV-FMAPLIT
Map-based tracking assistant	0	1	MBV-FOBJLIT
Privacy overlay	0	1	MBV-FPRILIT

DIVAR IP 52 licenses before and after BVMS 11.0:



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DIVAR IP aio 7000 and DIVAR IP 7000 R2 (DIP-71)

The licenses of the DIVAR IP (aio) 7000 unit belong to the BVMS Plus edition. Starting with BVMS 11.0 the only difference between the licenses of a DIP-7x unit and the BVMS software only edition is the base package.

The DIVAR IP 71, 72 and 73 unit comes with a free of charge pre-licensed starting package, which is enabled when booting the system. If you want to expand the system to more than 8 channels, you have to install the DIP specific base package MBV-BPLU-DIP.

	DIVAR IP aio 7000 (DIP-73)	DIVAR IP aio 7000 (DIP-72)	DIVAR IP 7000 R2 (DIP-71)		
Running the unit with the default free of charge package (not registered in Remote Portal)					
Factory pre-licensed	8 channel package	8 channel package	32 channel package		
Expansion to more than the free of charge package					
Base package	MBV-BPLU-DIP	MBV-BPLU-DIP	MBV-BPLU-DIP		
Expansion package	BVMS PLUS expansion packages	BVMS PLUS expansion packages	BVMS PLUS expansion packages		

DIVAR IP (aio) 7000 licensing overview:

MBV-BPLU-DIP	included	maximal	Expansion CTN
Channels	32	256	MBV-XCHANPLU
Workstations	5	20	MBV-XWSTPLU
DVR's	1	10	MBV-XDVRPLU
Keyboards	5	10	MBV-XKBDPLU
Mobile video services	1	4	MBV-XMVSPLU
Subsystems	0	20	MBV-XSUBPLU
Intrusion Panels	1	10	MBV-XINTPLU
Failover VRM channels	8	256	MBV-XFOVPLU
Dual recording channels	8	256	MBV-XDURPLU
Unmanaged Site	1	20	MBV-XSITEPLU
LPR channels	0	10	MBV-XLPRPLU
Online map functionality	0	1	MBV-FMAPPLU

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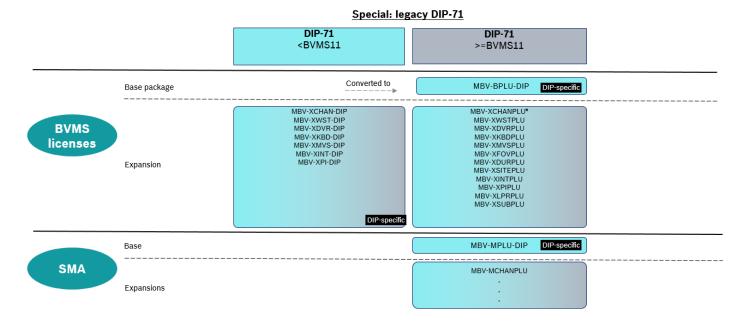
MBV-BPLU-DIP	included	maximal	Expansion CTN
Map-based tracking assistant	0	1	MBV-FOBJPLU
Privacy overlay	0	1	MBV-FPRIPLU

DIVAR IP 72 and 73 licenses before and after BVMS 11.0:

Plus Family DIP-72/73 <BVMS11 DIP-72/73 >=BVMS11 DIP-specific MBV-BPLU-DIP Base package MBV-1CHAN-DIP MBV-1CHAN-DIP MBV-1DUR-DIP MBV-1DUR-DIP MBV-XWST-DIP MBV-XWST-DIP MBV-XKBD-DIP MBV-XMT-DIP MBV-XINT-DIP MBV-XSUTE-DIP MBV-XSUB-DIP MBV-XWSTPLU MBV-XDVRPLU MBV-XKBDPLU MBV-XMVSPLU **BVMS** licenses MBV-XMVSPLU MBV-XFOVPLU MBV-XDURPLU MBV-XSITEPLU MBV-XINTPLU MBV-XINTPLU MBV-XLPRPLU MBV-XSUBPLU Expansion DIP-specific MBV-MPLU-DIP Base **SMA** MBV-MCHANPLU

DIVAR IP 71 licenses before and after BVMS 11.0:

Expansions



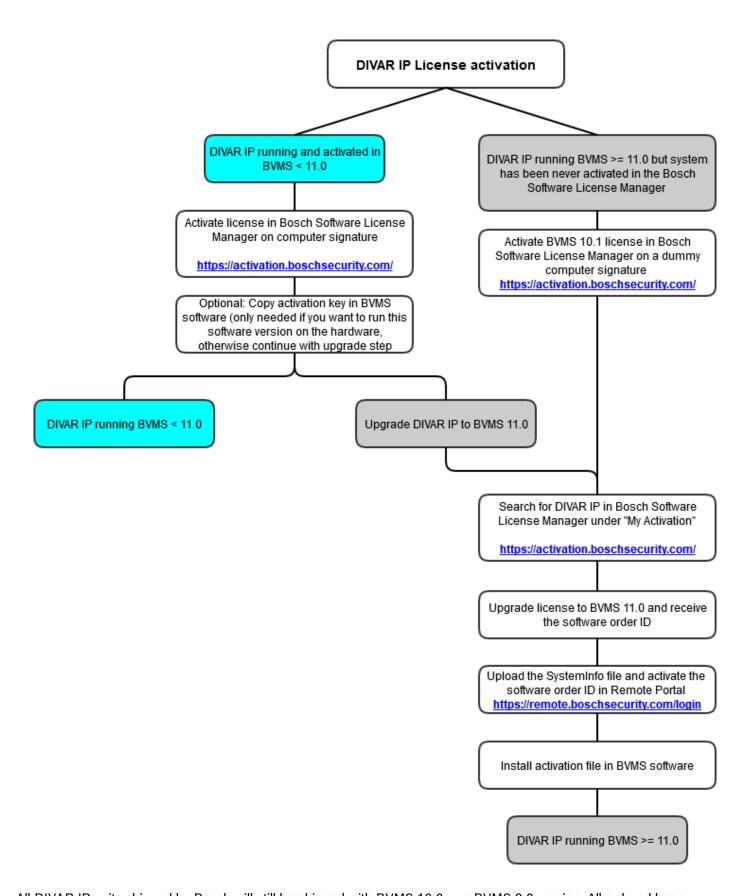
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7 DIVAR IP license upgrade to BVMS 11.0 or later

Starting with BVMS 11.0, all DIVAR IP units upgrading to a new BVMS version require a valid software assurance. The upgrade to BVMS 11.0 is allowed for all units, as explained above. All activated DIVAR IP licenses get a software assurance end date assigned according to unit type and the date of activation. All DIVAR IP 71 units get the software assurance end date 10.10.2023 (end of service date of the operating system running on the DIVAR IP). All DIVAR IP 52 and 72 units activated before the 1st of April 2021, get the software assurance end date = date of activation plus three years. All DIVAR IP 52, 72 and 73 units activated after the 1st of April 2021 get the software assurance end date according to the date of activation and the ordered SMA period.

Upgrade scenarios:

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All DIVAR IP units shipped by Bosch will still be shipped with BVMS 10.0 or a BVMS 9.0 version. All ordered base packages and expanison liceses for DIVAR IP units will be created by Bosch order desk for BVMS versions prior to BVMS 11.0. If you want to run a BVMS version lower than BVMS 11.0 on the DIVAR IP unit, activate the license in the Bosch Software License Manager System and copy the activation key to the BVMS software. If you want to upgrade the unit to BVMS 11.0 later, search for the activation under **My Activation** in the Bosch Software License Manager System and start

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the upgrade process.

If you want to upgrade the unit to the latest BVMS 11.0 version, first activate the license on the BVMS version prior to BVMS 11.0. Then upgrade the license with the above described upgrade process to BVMS 11.0.

If you have already upgraded the unit to BVMS 11.0, the system does not offer you a computer signature to start the activation process in the Bosch Software License Manager System. You then have to activate the system on a dummy hardware ID and upgrade the license to BVMS 11.0.

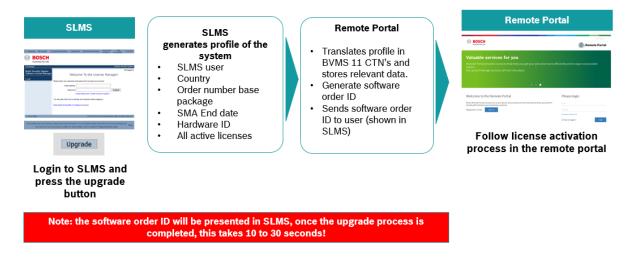
Upgrade to BVMS 11.0 or later licensing

To start the upgrade process to BVMS 11.0 or later, login to the Bosch Software License Manager System (SLMS) and search for the system under **My Activation**:



If a system is entitled to upgrade to the next BVMS version, the **Upgrade** button is available. In this example the red marked system has a valid maintenance agreement to upgrade to BVMS 11.0 or later. The other systems can not be upgraded to BVMS 11.0.

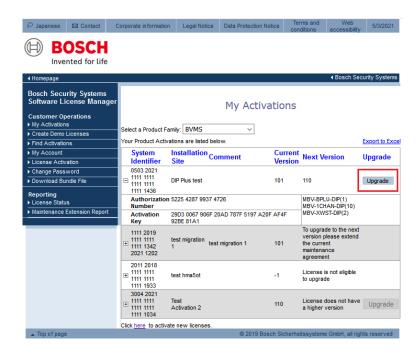
When you click the **Upgrade** button, the migration process of the license from SLMS to Remote Portal starts.



Start the upgrade process:

In order to start the upgrade process, click the **Upgrade** button of the system:

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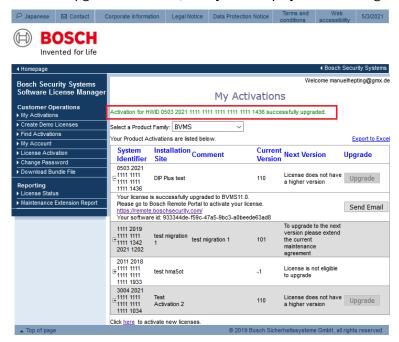


The SLMS system starts the upgrade process. During collecting data and creating the software order ID, the system displays **Upgrading...**.



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Once the upgrade is finished, the system displays the following information:



When you click the + next to the hardware ID, you see the software order ID:



In order to activate the BVMS 11.0 license, copy the software order ID and start the activation process in Bosch Remote Portal.

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8 BVMS initial license activation

Introduction

This section describes the initial license activation process of BVMS licenses.

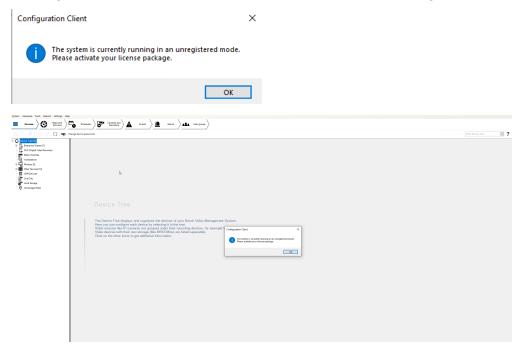
Follow these steps:

- · Collect system info file from the BVMS system
- · Claim ownership of the software order ID in the Remote Portal
- · Activate the software order ID with the system info file in Remote Portal and download the activation file
- · Add the activation file to the BVMS system to enable the software

How to get started

Open your BVMS Configuration Client application and sign in with the BVMS administrator user account.

After you successfully logged in, you see the following BVMS message. It tells you that the system is currently running in an unregistered mode and that you have to activate your license package.



Directly click on OK. Since you want to initially activate a license, the license status is "not activated".

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Activate a license



To obtain an active license you need to execute the following steps:

Step 1: Click Add... to enter the Add license dialog

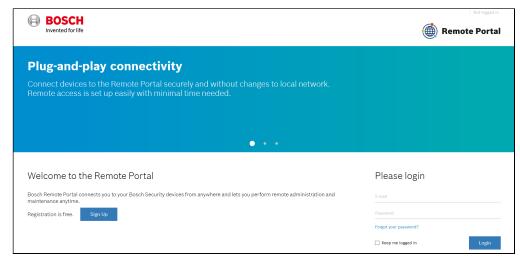
Step 2: Save your system info to a file

Click the Save button and a file with the system info is created. Safe the system info file on your computer.

Note: If you do not have internet access on the computer where your BVMS application is installed, transfer the system info file to a computer with internet connection.

Step 3: Go to remote.boschsecurity.com to generate your activation file

Click the link and the Bosch Remote Portal website displays. You can either sign up or login in case you already have a user account.

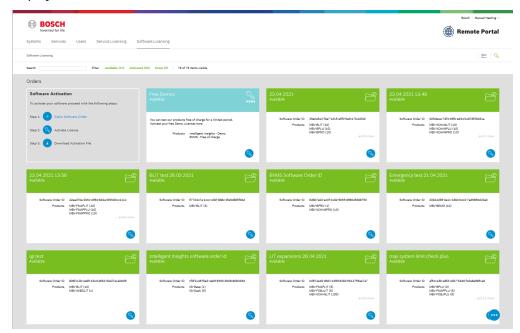


In case of an initial user account creation, please click **Sign Up**, fill in the required information and select the terms of agreement check boxes. After your account is successfully created, you can login to the Bosch Remote Portal.

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Step 4: Follow the instructions on remote.boschsecurity.com/softwarelicensing to generate your activation file by uploading your system info.

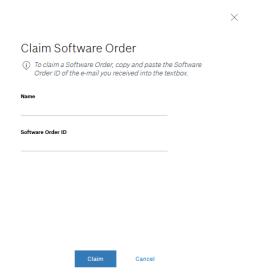
Click the link in **Step 3** or directly go to the **Software Licensing** tab in the Remote Portal toolbar. The following screen displays:



Step 5: Claim the ownership of the software order ID in Remote Portal

The software order ID can be obtained by placing a software order or by a upgrading a license from the Bosch Software License Manager System.

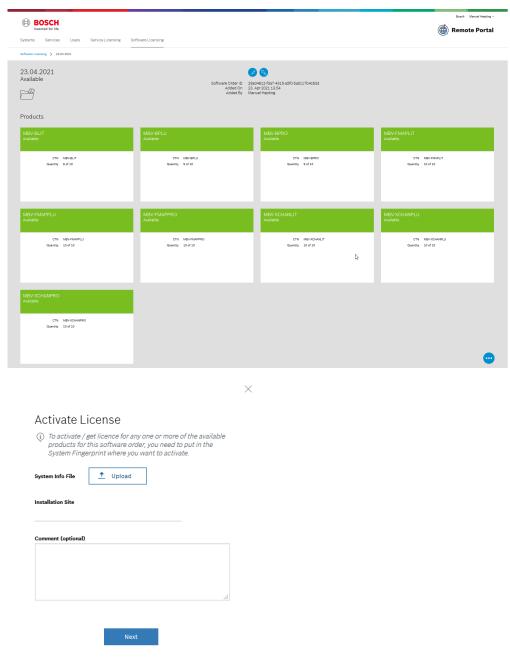
In order to claim the ownership of the software order ID, click **Claim Software Order** in the bottom right corner of the display. The **Claim Software Order** window displays. Click **Claim**.



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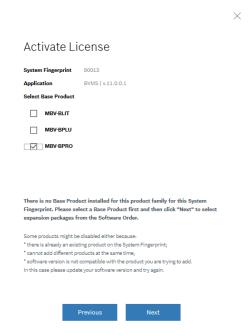
Step 6: Activate a license

In order to activate a license, click **Activate License** in the bottom right corner of the display. The **Activate License** window opens. Upload the system info file that you saved earlier and fill in the required information.

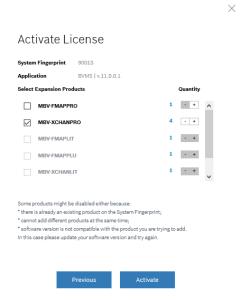


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Select the base package to activate it:



Select the expansion licenses and the quantity to activate them:

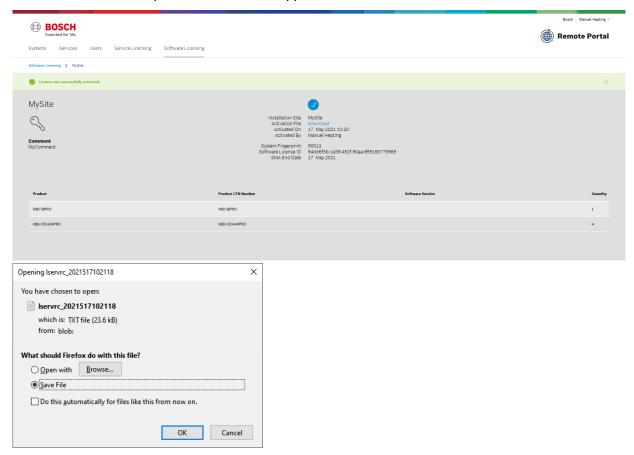


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Step 7: Download your activation file and make it accessible to the BVMS computer

After you successfully added your license, you will see the following license dashboard in the Remote Portal. Click **Download** to download the activation file and save it on your computer.

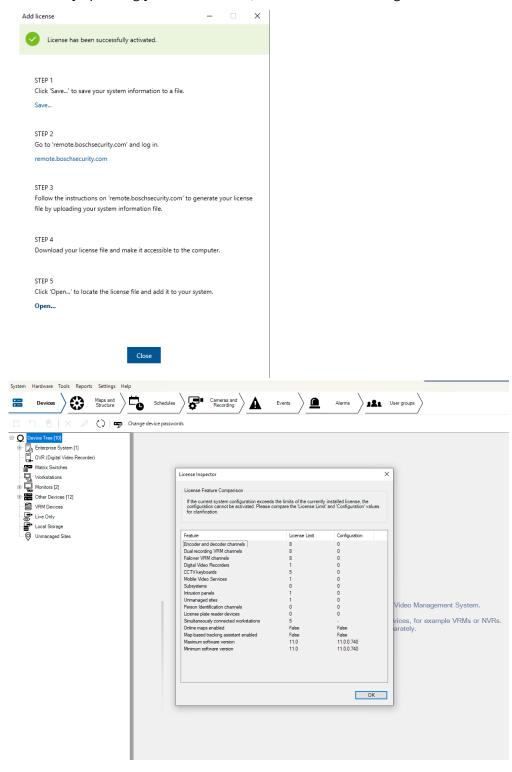
Note: If your BVMS application is not installed on the same computer where your activation file is saved, transfer the activation file to the computer with the BVMS application.



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Step 8: Upload the generated activation file

Go back to your BVMS application and click the **Open** button under **STEP 5** to upload your activation file. After successfully uploading your activation file, the license status changes to "activated" and your license information displays.



Now you can start using the full potential of your BVMS application and configure your system by adding cameras, for example.

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9 Data transfer from Bosch Software License Manager System to Bosch Remote Portal

During the license upgrade from BVMS 10.1 to BVMS 11.0, the license is migrated from the SLMS system to the Remote Portal System. The following data transfers from the SLMS System to the Remote Portal system:

- · All active licenses on the computer signature
- · Software assurance end date
- · Assigned country to the SLMS user ID

Not visible for users, only transferred for documentation reason:

- The old unique identifier of the BVMS system, called computer signature
- · User ID of the SLMS user requesting the migration
- · Order number of the base package