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BT-VS/MKP-XPT

Product Management

Nuremberg

09.12.2024

## Release Letter

Product:	<b><i>Configuration Manager</i></b>
Version:	<b><i>7.74.0126</i></b>

This letter contains latest information about the above-mentioned software.

### 1. General

Configuration Manager is a generic configuration tool for all Bosch IP Network Video Products, both software modules and hardware devices.

It is used for configuration and licensing of the various products.

Configuration Manager 7.74 is a maintenance & feature release, based on version 7.72.

It includes Video SDK 6.3 and latest plug-ins for VCA configuration.

This version supports English as main language. The other 10 languages are not fully translated yet.

Make sure to always use the latest released version.

Changes to last version marked [blue](#).

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## 2. Important Notes

- Configuration Manager 7 has excluded support for Bosch Video Client and BVIP Lite Suite. Installing it over an existing installation of a previous version will encrypt the database with strong encryption and thus render it unusable for the older software.
- Configuration Manager 7.0 and higher are pure 64 bit applications and require a 64 bit Windows operating system.
- Security And Safety Things (S&ST) has changed their name into azena. Though they kept their former URLs, or put forwarding in place, in future it may happen that only the new domains may be supported, which would cause breaking connectivity. We will keep track and support the new URLs when accessible. Once the links are broken, it requires to have Configuration Manager updated.

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### 3. New Features

#### ***New cameras and devices supported***

- User can block discovery protocols while still allowing IP-based access by activating Stealth Mode for a camera. The activation status is displayed on the network service page. Note that clients connected to the camera before Stealth Mode is enabled can still communicate with the device
- A new dewarping mode called E-PTZ Upright for the FLEXIDOME panoramic 5100i cameras is supported.
- New FLEXIDOME 8100i camera series (NDE-870x) supported
- New Indian version of the FLEXIDOME 5000i series (NDE-5513-AL-IN & NDE-5513-AL-IN) supported
- New VJD-7533 decoder supported. Configuration for VOCS bit rate and rendering mode is included

#### ***New Video Analytics (IVA Pro) features supported***

- Support for IVA Pro Perimeter update including autocalibration
- Support for IVA Pro Privacy
- Support for IVA Pro PPE (Personal Protection Equipment)
- Support for IVA Pro Appearance
- Support for IVA Pro License Plate (LPR)
- Support for IVA Pro Vehicle Make Model
- Support for IVA Pro Dangerous Good Signs
- Support for IVA Pro Buildings and IVA Pro Perimeter on FLEXIDOME panoramic 5100i series
- Support for temper detection image too dark, image too bright and camera moved for CPP14 cameras
- Best shot feature can be activated for use in Genetec environment
- Configuration of Audio Analytics available in Alarm section

#### ***Remote Portal***

- Commissioning your camera to Remote Portal can be done in CM entirely, no need to set default company in Remote Portal first and obtain technical user and password (please check chapter Restrictions; Known Issues)

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## 4. Changes

### ***Improvements for camera and device configuration***

- Camera - On FLEXIDOME panoramic 5100i and FLEXIDOME corner 7100i, the Lens Rotation Calibration feature has been moved from the Installer Menu to the Positioning menu and renamed as 'Lens Rotation Calibration'
- Improved sync between Remote Portal and Config Manager when a Group is deleted on Remote Portal

### ***Improvements for Video Analytics (IVA Pro) configuration***

- Improved recording and playback usability in VCA -> Main Operation
- Aviotec camera now supports temper detection with Fire profile
- VCA task list reordered in order to offer most used items on top

### ***General improvements***

- Creating tasks in VCA with 'Show Timeline' improved
- Stability improved when working with SQL database
- Performance improved when working with SQL database
- Shutter limit 1/30 offered again for NDP-7512-Z30C
- GUI refresh improved in VCA -> Main Operations
- VCA overlays are restored when selected via 'Show default VCA live overlay' in VCA tab
- VCA playback stability and configuration improved

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## 5. Restrictions; Known Issues

- On a MIC or AUTODOME with FW < 7.70 and VCA configured, using CM 7.20 will show all configured lines, fields and routes at a wrong position. Saving then will break the VCA configuration. Use a recent version of CM instead.
- FLEXIDOME IP starlight 5000i (IR) cameras incorrectly show up as Device Type FLEXIDOME IP 4000i (IR)
- FTP address must be IP address only, URL is not supported.
- After changing the IP address of a device, the settings page might not be updated automatically. Manual refresh might be required.
- Upload of a configuration file might be incomplete if it includes recording settings. It is recommended to check the settings manually.
- Special characters like '<', '>' are not allowed for names and passwords. If entered into devices using the Web GUI the Configuration Manager will not be able to access the devices.
- Saving empty password may cause I/O error message without effect for the setting.
- Database path must be re-written if previous installation did not use default path.
- 'Device info' dialog for Divar 700 only shows the general information tab and information that can be retrieved through the Video SDK interfaces.
- No IPv6 & DNS check for VRM databases.
- For cameras with Intelligent Tracking function, "Click on object" is not supported by Configuration Manager.
- If no IPv6 network is available, the initial IP address configuration of DLA E-Series must be done by setting the PC's IP address in the range of the storage's default IP address 192.168.128.101 for discovery. Once set to a valid IP range, the Configuration Manager PC can be used with its standard IP address.
- Configuration Manager may run into an access violation when an ONVIF camera with pan and tilt, but no zoom function is added to Video Streaming Gateway, e.g. like Axis M3007.
- For legacy devices, e. g. VIDEOJET 8008 or VIDEOJET 10, all tabs and buttons regarding motion detection are deactivated, thus motion detection cannot be configured.
- FTP accounts' passwords are not stored during Backup & Restore settings.
- If the DIVAR AN 3000/5000 FW upgrade transfer is interrupted by a power or network failure the remote system might get in a state that it can't be upgraded again through Configuration Manager.  
In this case, the upgrade must be done manually through the WEB UI or locally on the device.
- A FW upload of a DIVAR AN 3000 or DIVAR AN 5000 can only be cancelled during the transfer phase. Once the file has been transferred to the device and the upgrade process has been started this cannot be cancelled anymore.
- For dual recording, Configuration Manager does not allow to assign the identical LUN to both recording entries.
- VCA tabs, e. g. Motion Detection may not be refreshed after firmware upgrade or downgrade. Manual refresh might be necessary.

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- Device network settings configuration for VJD-7000 and VJD-8000 is not functional in the context menu of the device tree (right-click). The network configuration page shall be used instead.
- VRM-based ANR mode is no more supported.
- Only one LUN lock can be overwritten per device at a time. Acquiring of lock is done only when storage target is needed for recording.
- Upload of an invalid certificate will cause I/O errors displayed on page.
- With cameras running firmware 6.4x and 'Silent VCA' mode, a wrong VCA calibration tab may be displayed on 'event triggered' or 'scheduled' modes. A VCA profile must be selected first.
- Once an authenticated is established, the user can still communicate with a device although the smart token might have been removed. To avoid unauthorized access, Configuration Manger should not be left accessible when the smart token with the client certificate is removed.
- With CPP7.3 AUTODOME and MIC cameras, I/O errors might be displayed on the 'Logs' tab. The device's web page can be used instead to access the logs and configure the syslog functionality.
- Due to security concerns, basic authentication is no more supported. As a result, firmware cannot be uploaded to a password-protected VJD-7000 running FW 54.8.x or older. An older version of Configuration Manager can be used instead, or the password removed temporarily.
- With certificate-based authentication, each Windows user should only use one Smart Card or user token for the same CA.
- If a storage array is reconfigured or cleared manually (e. g. by using console or SanTricity instead of Bosch tools), all LUNs of all targets of the storage array must be deleted from the VRM and then re-added again to update all necessary information.
- Custom table views do not support adding of dynamic content like e. g. user management or certificates.
- Configuration upload and download is not supported for cameras of the Remote Portal.
- Repository download that includes offline devices or devices not supporting a configuration file download will show an error which can be ignored. All parameters handled by Configuration Manager will be stored in repository.
- In rare cases only a partial VRM device tree is shown. Restart the Configuration Manager for a full display.
- Privacy masks and other orientation-related parameters must be checked and eventually re-assigned after rotating a camera.
- Uploading or exchanging certificates requires the device to be rebooted if running firmware below version 7.x.
- Stamping logo may sometimes lose transparency if converted by Configuration Manager. In this case, prepare logo with correct size and color with other tools to avoid conversion.
- Using "export from memory" with pre-alarm recording exceeding the available memory will cause continuous recording on the account storage. Checking the memory requirement of the pre-alarm ring is advised to avoid unexpected memory consumption.
- Camera Calibration module does not work on Windows 10 Enterprise 2016 LTSC.

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- For single line devices the field 'device name' is not shown but camera name is used for both.
- TLS 1.3 is not yet supported by Configuration Manager, though it allows this setting on CPP14 cameras running FW 8.30 or higher. Once minimum TLS version is set to 1.3, Configuration Manager will be locked out.
- Windows fonts may appear invalid or missing after changing the screen scale factor. In such a case, please refer to the MS knowledge base at <https://support.microsoft.com/de-de/help/4038303>.
- For a FLEXIDOME panoramic 5100i in on-board dewarping mode, with line 2 set to quad-view, it is not possible to select another than the first quadrant for PTZ control. As a work-around use the web page of the camera to configure the dewarped quad-view.
- For FLEXIDOME multi 7000i, the azimuth value for a camera module is located under 'coordinate system', contrary to its location in the camera's web interface.
- Firmware upload to HD decoder requires HTTPS due to basic authentication being deprecated on unencrypted connections.
- Devices appear locked in Remote Portal if their user and live passwords are not configured.
- A warning may pop up when switching to H.265 encoding but the setting will be changed nevertheless. The warning can be ignored.
- No IVA function is implemented on AVIOTEK 8000i IR, but IVA options are displayed though not functional. No configuration of IVA functions is possible.
- [With this release 7.74 you can now commission your local cameras to your Remote Portal account directly in CM \(see chapter Remote Portal\).](#) During login you'll be prompted to choose the company to which you want to commission your cameras. However, the process to commission the cameras to Remote Portal is started in the background and might take some time. Therefore, you should wait until all cameras are registered at Remote Portal before you choose to commission another batch of cameras for another company belonging to the same Remote Portal account. The registration status can be checked in the Connectivity tab for each camera. This restriction applies to users who have more than one company associated to one Remote Portal account.

**Note:**

If multiple Configuration Managers are used in the network, maintaining the same or an overlapping set of devices simultaneously, unpredictable effects might occur when writing to the devices.

**Note:**

Due to the change to .NET 4.7.2 DiBos devices cannot be found by network scan if .NET 3.5 is not installed.

If required install .NET 3.5 in addition to the Configuration Manager installation package.

**Note:**

Despite mentioned in earlier 7.6x release notes, Configuration Manager 7.6 has not been tested anymore on Windows 7, which is end of support.

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## 6. System Requirements

Hardware	Personal Computer
CPU	Dual Core, 3.0 GHz or better
RAM	min. 4 GB
OS	Windows Server 2019 Windows Server 2016 Windows 10 64 bit <a href="#">Windows 11 64 bit</a>
Graphic Card	DirectX 11 compatible
Ethernet Card	min. 100 Mbps
Sound Card	Recommended
Software	Microsoft .NET 4.7.2
Free Memory (Installation)	<a href="#">400 MB</a>

### Note:

The new camera calibration module requires a Win10 API function which is only available starting with Win10 1803 (Redstone4). Previous Windows versions will not allow the camera calibration to start.

## 7. Component Versions

RCP Plus SDK	<a href="#">5.06.0013</a>
Symbol SDK	4.00.0041
VCA SDK	<a href="#">4.60.0068</a>
Video SDK	<a href="#">06.36.0242</a>
Camera Calibration	<a href="#">2.5.1.645</a>

Open-source license information is available in the 'doc' folder in the installation path. You may also visit the Bosch Security Systems Open-Source Software page at <https://www.boschsecurity.com/xc/en/oss/>.

### Note:

Video device proxies for DIVAR devices use OpenSSL for encrypted communication.



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## 8. Features and Changes with former versions

### ***New Features with 7.72.0106***

- Configuration Manager now includes and presents an End User License Agreement (EULA) on installation.
- Telemetry Data collection added  
Configuration Manager is now collecting anonymized usage and configuration data and sends it to a Bosch cloud access point for statistical processing, helping us improving our products even further. It is ensured that no private data is included, fully complying with privacy regulations. The transferred data is secured and fully transparent in CM. A user can opt out at any time if this transfer is not wanted.
- Behavior of the device tree is enhanced by a preferred state setting. Selection is now possible with values 'Last State', 'Collapsed', and 'Expanded', where default is 'Last state'.
- Enhanced bandwidth throttling settings for cameras are now supported.
- New CPP13 and CPP14 ITS camera models supported.

### ***Changes with 7.72.0106***

- An issue is fixed where CM could freeze when using a SQL database.
- An issue is fixed with simultaneous backup of a high number of cameras.
- An issue with AUTODOME 7100i IR is fixed where calibration was not saved when in global IVA mode.
- An issue is fixed where metadata inspection page could load in endless loop.
- An issue is fixed for FLEXIDOME multi 7100i where switching the scene mode via alarm input worked only for line1.
- Stream limits of cameras are moved to encoder overview page for better usability.
- Logo images for display stamping are now correctly converted to match the maximum size of the camera.
- An issue is fixed where not all banner images were uploaded to VIDEOJET decoder 7000.
- Various issues were fixed with DIVAR hybrid configuration.
- An issue is fixed where the option to change the encoder profile name was missing.

### ***New Features with 7.71.0165***

- The license workflow has been improved, providing clearer status. It also shows expiration time in case of time-limited licenses in license info.
- VCA pages have been redesigned to better match the IVA Pro packs and their respective options.

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- Visual gun detection (class “weapon”) has been added to IVA classes.
- A message text for browser login on cameras can be configured, also for multiple devices.
- The VRM live/playback page can be disabled (hidden).
- Calibration of visual and thermal sensors on applicable cameras is now separated.

**Decoder**

- Serial port options on decoders can now be configured.
- IP Matrix on decoders now allows to map its cameras to alternative number like those being used in BVMS.
- Display monitors can be logically swapped to avoid re-wiring or re-positioning of mechanical arrangement.
- The Visual Output Capture Service, available through a license, can be configured.

**Changes with 7.71.0165**

- An issue is fixed by increasing robustness against malformed URLs which caused high delay on TLS connection setup.
- An issue is fixed where DNS fields were not editable.
- An issue is fixed with the initial installation settings on a NetApp E2700 or E2800.
- An issue is fixed for exporting backups of cameras when a high number of cameras were selected.
- An issue is fixed where the reference image check disappeared temporarily.
- An issue is fixed where azimuth value was not set by autocalibration module. Various other smaller issues with autocalibration were also fixed.
- Several smaller VCA issues are fixed.
- Various minor improvements were introduced, and minor issues fixed.

**New Features with 7.70.0090**

- Configuration Manager can now be connected as a client to a MS SQL database. This allows multiple Configuration Manager clients to work simultaneously on the same configuration database.

**Note:**

Since database installations and setups may vary extensively, only a certain number of setups could be tested and verified, so we need to consider this still an experimental feature. Feedback is welcomed to help us further improving this feature.

- Autocalibration support has been integrated by an updated calibration module.
- The licensing workflow has been further enhanced and now also shows expiration date of time-bound licenses.
- Bandwidth throttling in IP cameras can now be configured in Configuration Manager.

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### **Changes with 7.70.0090**

- An issue is fixed where adding an SD card happened without an IP address, causing problems with exporting recordings.
- An issue is fixed where calibration was affected when a ‘%’ sign was used in the password with access enforcement protection enabled.
- Several smaller VCA issues are fixed.
- Various minor improvements were introduced, and minor issues fixed.

### **New Features with 7.62.0178**

- An improved workflow has been introduced, supporting the licensing of cameras via Remote Portal for both online and offline use cases.  
The wizard-like workflow provides a clear indication about the reached state in the licensing process and helps managing the necessary licensing information and data.

### **Changes with 7.62.0178**

- An issue with changing the IP address for more than 50 devices is fixed.
- Several VCA issues are fixed.
- An issue is fixed where various CPP3 devices appeared with a wrong platform number.
- Several issues with time zone settings on the HD decoder are fixed.

### **New Features with 7.61.0143**

- Support of new **FLEXIDOME indoor/outdoor 5100i** cameras.
- Support of new Intelligent Video Analytics (**IVA Pro Packs**), introduced with CPP14 FW 8.70 and the new FLEXIDOME indoor/outdoor 5100i cameras, including license handling.
  - Renaming of tracking modes for the IVA Pro Packs.
  - 3D size measurements (width, height, depth) and filter for IVA Pro Traffic Pack objects added.
  - Stationary object label and filter added for IVA Pro Buildings Pack and IVA Pro Traffic Pack.
- Integration of new **Calibration Module** allows map-based calibration for inner-city and traffic scenes and improves usability.
- HTTP referrer check was added to allow multiple cameras selection for this setting.
- DNS and hostname settings were added for VIDEOJET decoder 7000.

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- Update check for new version from DownloadStore (<https://downloadstore.boschsecurity.com>) can be enabled via *Preferences* page.

### **Changes with 7.61.0143**

#### **UX improvements**

- An issue is fixed with ALC gain control on cameras.
- An issue is fixed with missing illuminator settings for FLEXIDOME inteox 7100i.
- Description in the user interface improved to note that a certificate signing request requires the country code instead of the country name.

#### **HD Decoder**

- Device type now displays the correct variant of VIDEOJET decoder 7000.
- An issue is fixed where the color setting for display stamping was not displayed.
- An issue is fixed where maintenance logs could not be downloaded over HTTPS.
- An issue is fixed where maintenance logs larger than 16 MB could not be downloaded over HTTP.

### **New Features with 7.60.0082**

- Support of FLEXIDOME panoramic 5100i with FW 8.50, introducing on-board dewarping.
- Support of network authentication 802.1x with EAP-TLS for VIDEOJET decoder 7000 (VJD-7513).
- Support of audio alarm enhancements in CPP7.3 cameras.
- Passwords now allow UTF-8 characters.

### **Changes with 7.60.0082**

#### **UX improvements**

- Usability of MQTT broker configuration improved.
- Handling of empty URLs improved.
- An info icon with tooltip has been added to the ANR configuration in case secondary recording was not configured yet.
- Devices and folders can now be freely re-arranged in the device allocator.
- The name sort filter in the device allocator is now triple state, allowing to revert to the original order.
- I/O logging dialog works without prior logging configuration in settings.
- An issue where the 'Add'/'Cancel' buttons were not visible is fixed.
- Site support as known from use with discontinued Bosch Video Client has been removed.

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**Table View**

- Dynamic on demand content loading automatically filling view.
- Better readability due to adaptive column width adjustments.
- More content and alignment across camera range.
- Faster loading speed.

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***New Features with 7.51.0090***

- Support of FLEXIDOME multi 7000i IR with FW 8.30.

***Changes with 7.51.0090***

- An issue where recording encoder profile did not show correct value is fixed.
- Certificate password limitation to 16 characters has been extended to 20 characters.
- An issue where it was not possible to add or change multicast addresses on VIP X1600 is fixed.
- An issue where VCA scheduled configuration link showed wrong window is fixed.
- An issue where CM may crash while adding a VSG to VRM is fixed.

***New Features with 7.50.0073***

- Support of the new panoramic camera FLEXIDOME IP panoramic 5100i.
- Support of new AI detectors in INTEOX camera series.
- Info stamping region is supported on CPP13 and CPP14 cameras.
- MQTT Event Broker from ONVIF Profile M support in camera firmware can be configured for both Bosch and ONVIF cameras. Besides broker address and port, also topic prefix and publish filter for ONVIF Profile M can be configured.
- For thermal cameras 'stopped object debounce time' configuration has been added to compensate missing idle/removed object detection.
- Objects causing IVA events will trigger only once per ID, realized by introducing an additional object ID debounce time.
- Video can be recorded locally and used as playback for refining VCA configuration like normal recordings.

***Changes with 7.50.0073***

- A warning message has been added to the configuration page for unsupported devices.
- An issue with 'output follow' function missing for FLEXIDOME IP micro 3000i has been fixed.
- An issue with IVA counter and occupancy tasks showing a disabled bell icon while switching tabs has been fixed.
- For AVIOTEC cameras, an issue with first task sporadically shown as enabled despite being disabled has been fixed.
- Various improvements for the recently introduced new camera calibration were added.

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***New Features with 7.42.0087***

- Support of the new indoor camera FLEXIDOME IP starlight 8000i.

***Changes with 7.42.0087***

- An issue with network scan not working anymore in IP Matrix camera edit window has been fixed.

***New Features with 7.41.0079***

- Support of the new multi-sensor camera FLEXIDOME multi 7000i.
- Intelligent Video Analytics can be configured to use flexible person shape in 3D tracking, if supported by camera.

***Changes with 7.41.0079***

- An issue with having a camera shown twice in the device tree has been fixed.
- An issue with slow response after opening certificates page from VRM Server has been fixed.
- An issue with an empty license page from VRM has been fixed.
- An issue has been fixed where object metadata inspection was not possible.
- An issue with VCA task configuration has been fixed, where the tab has not been drawn properly.

***New Features with 7.40.0069***

- Support of firmware 7.80.
- Support of new IR cameras in AUTODOME IP 5100i family.
- Support of new X series cameras in FLEXIDOME IP 8000i family.
- On-screen display stamping has been reworked to allow more flexibility.
  - Font size can be defined per stamping section, resolution-independent by per mill of screen size.
  - Text and background colors can be defined per stamping section.
  - Settings can be copied to other stamping areas.
- New calibration module has been integrated for video analytics.

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**Changes with 7.40.0069**

- Usability improvements
  - Reboot request info is displayed when a license has been installed.
  - Some icons changed for more self-explanation and clarity.
- Installation is now possible without requiring administration rights.

**New Features with 7.30.0065**

- INTEOX and S&ST
  - App management and update handling have been improved.
- Remote Portal
  - A user can set the image refresh according to available bandwidth.
- Configuration of DIP 7000 AIO's Microsoft iSCSI target CHAP password is supported.
- Live video dialog is reused between pages, reducing loading time.
- Live video dialog can be maximized. In addition, shortcuts have been added:
  - 'z': Enlarge dialog to original video size,
  - 'v' Maximize video dialog.
- Human Skin Temperature Detection (HTD) degree settings now support Fahrenheit.

**Changes with 7.30.0065**

- A security issue has been fixed. DLL injection attacks mitigated by preventing loading DLLs from current working directory
- Search is extended to also find device tags "Attribute" imported via CSV file.
- Factory default button added for S&ST environment and button wording improved.
- Action icons positions can be re-arranged.
- Read-only fields now allow copy.
- Snapshot view now also includes ONVIF cameras.

**Changes with 7.21.0080**

- Fixes issues (with released build 77)
  - where a VCA field was not properly displayed
  - where the 'Traffic Detectors' checkbox on INTEOX cameras was not checked
  - where the pan angle for VCA was inverted in relation to optical movement



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- An issue with the installer signature has been fixed.

### ***New Features with 7.20.0067***

#### **INTEOX cameras**

- *App Management* menu introduced as part of *Service* menu
- Use Configuration Manager to download and install applications purchased in the S&ST App Store (please checkout out the respective training in our [Bosch Building Technologies Academy](#))
- Configuration of 3<sup>rd</sup>
- Configuration of new OSD capabilities of INTEOX camera

#### **Remote Portal**

- Benefit from remote access to manage your devices **for free** from anywhere where you have internet access → Please check out our [customer success story](#)
- UX improvements
- Alternatively to updating device directly from the Bosch Remote Portal, it is possible to upload firmware files from the Configuration Manager from remote via the Remote Portal, as if you were locally connected

#### **VCA**

- Access to all streams and recordings during configuration

#### **VRM**

- Maintenance log export integrated into Configuration Manager

#### **Network**

- Subnet-crossing scan possibility introduced (independent of multicast)
- Proxy server support

#### **New Products**

- AUTODOME inteox 7000i
- MIC inteox 7100i - 2MP
- MIC inteox 7100i – 8MP
- FLEXIDOME IP starlight 5000i (IR)
- DINION IP thermal 9000 RM

#### **Miscellaneous**

- Configuration Manager can automatically check the Bosch Security Download Area for new versions

Note: Check out our latest How-to Video on [YouTube](#).

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### **Changes with 7.20.0067**

- UX improvements for VCA Task Script Editor
- Security improvements
- Fixes issues
  - where “VCA silent” was not properly listed in “Profile to configure” dropdown menu
  - for Camera Trainer
    - regarding sampling from playback
    - remote access to recording via Remote Portal
  - regarding VCA when COM1 settings are configured
  - regarding sorting functionality for VRMs
- input for BVMS Configuration Client stability improvements

### **New Features with 7.11.0048**

- A start-up configuration for a VIDEOJET decoder running minimum firmware 10.0 can be defined using the IP Matrix functionality. Configuration Manager allows to define the initial layout and to populate the video windows by assigning cameras to it. No keyboard needs to be connected; and with automatic re-connect, the same view is re-established in case of a reboot of the decoder.
- Decoder log file can be downloaded via Configuration Manager. This is especially recommended when download of the log file is not working correctly via web browser.

### **Changes with 7.11.0048**

- An issue that a NetApp storage with firmware 11.60 or higher could not be added to the system has been fixed.
- Various minor issues have been fixed.

### **New Features with 7.10.0042**

#### **Remote Portal**

- Navigation has improved to make Remote Portal and cloud access simpler and more intuitive.
- Automatic login if Remote Portal account credentials are configured.
- Batch commissioning of cameras into Remote Portal, considering minimum required IP camera firmware 6.40.

#### **New products**

- Support for the new FLEXIDOME IP 8000i with tele lens added.
- Support for soon to be released Monitor Wall 10 software and decoder firmware 10.0 added.

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- Support for AVIOTEC IP starlight 8000 added.

#### **Usability**

- Device Health Monitor now includes iSCSI multi-pathing info in recording status.
- Password-protected database export added.
- Camera Trainer samples directory path is now configurable.

#### **Changes with 7.10.0042**

- Usability improvements for calibration and VCA configuration.
- Passwords can now be pasted into password fields; password confirmations can be pasted when visibility is on.
- Usability improvements for client certificate handling.
- URL scheme was introduced to allow Configuration Manager being called directly from web interface of IP cameras for VCA configuration.
- Various minor issues have been fixed.

#### **New Features with 7.01.0136**

##### **VCA 7.60 support**

- New filters 'height' and 'width' in addition to 'area' and 'aspect ratio'.
- New tamper detection 'camera moved' for cameras with gyro sensor.
- Metadata are configurable to include less content, supporting lower data rates for e.g. low bandwidth ITS applications.

#### **Changes with 7.01.0136**

- Various bug fixes, mainly in the VCA area.
- Updated Configuration Manager help file.

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## ***New Features with 7.00.0111***

### **User Interface**

- Look-and-feel according to latest Bosch style guide, improvements on readability of form elements.
- Screen space optimization due to higher density of presented information, optionally vertical navigation bar.
- Scaling invariant user controls enable smooth support for high DPI screens.
- Avoiding horizontal scrolling by adaptive column reduction.
- New easy to use filters, supporting “Google”-like free text matching on various identifiers as well as down into device properties.
- VCA pages with new sub-navigation, larger video presentation for easier task setup, improved calibration and Camera Trainer pages, in-field editing, object filter page, and providing tooltips and direct links to help pages.

### **Security**

- Strong password demand during first start of the program. Working without password prompts extra warning pop-up and requires specific user action.
- Certificate creation now allows including usage. This enables fully automated batch certificate creation for larger sets of devices. The creation dialog shows the progress of key creation.

### **Cameras**

- Support for new AUTODOME IP 7000i and MIC IP 7100i with firmware 7.52, introducing changes and enhancements on picture settings and pre-position settings pages.
- Setting an alternate home position is now possible for applicable moving cameras.
- Support for new DINION and FLEXIDOME IP 3000i series with firmware 7.51.
- An RCP+ message and/or a SNMP trap from cameras, if time sync fails, can be configured.

### **Storages**

- Assignment option for CHAP password on DSA E series storages added. Password must be from 12 to 16 characters long.

### **Decoders**

- Playback permission is configurable for IP Matrix since decoder firmware 9.60.

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### ***Changes with 7.00.0111***

- Support for Bosch Video Client (BVC) and BVIP Lite Suite is excluded.
- The configuration backup of the Configuration Repository is now referring to the MAC address of a device instead of the IP address.
- Network scan is now also possible for IPv6 networks.
- Context menu and some configuration pages cleaned-up for decoders.
- Improved feedback on firmware upload status and errors.
- The character '+' is not allowed anymore for camera passwords since it is also blocked in cameras from firmware 7.50 onwards.
- The image posting tab is moved from 'Network' to 'Recording', and a link to configure accounts was added.
- Secure crypto-coprocessor version is now displayed on camera's compatibility tab.

— For earlier history, please refer to release notes of Configuration Manager 7.5x or older.