From BT-SC/ETP-MKP1	Product Management		Nuremberg 20.02.2020

Release Letter

Product:	***Configuration Manager***
Version:	***7.01***.0136

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 where it may be included on the product CD.

Configuration Manager 7.01 is a maintenance release, based on version 7.00.0111, to provide full support for IP camera firmware 7.60 and its improvements on video analytics.

Configuration Manager 7.0 introduces a complete rework of the user interface, following the latest Bosch application style guide, with many improvements in readability, compactness and improved navigation for a better user experience.

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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From BT-SC/ETP-MKP1	Product Management		Nuremberg 20.02.2020

2. Important Notes

- Configuration Manager 7.0 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 5.50 and higher are pure 64 bit applications and require a 64 bit Windows operating system.

- Configuration Manager 5.50 and higher can be installed in parallel to a Bosch Video Client installation, which still includes and uses a Configuration Manager version below 5.5x.

  It will then re-use the database, can add new devices and configure them.
  Strong database encryption must not be activated, otherwise Video Client will fail to start.

  If Video Client does not start even when strong database encryption was not activated, the former Configuration Manager, e.g. 5.43 from the latest Video Client 1.7.6 installation package, might need to be re-installed.

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From BT-SC/ETP-MKP1	Product Management		Nuremberg 20.02.2020

3. New Features

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.

4. Changes

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

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5. Restrictions; Known Issues

- VGA settings for VIP XD are not available in this Configuration Manager version. Must be set up via the product's web site.
- When using the Wizard to re-configure this will not work for password-protected devices.
- FTP address must be IP address only, URL is not supported.
- Alarm input rules of AUTODOMEs running firmware version 4.10 cannot be configured correctly in Configuration Manager. The Web interface shall be used instead.
- After changing the IP address of a device the settings page might not be updated automatically. Manual refresh might be required.
- The Wizard may run into a timeout situation when configuring a camera with motion recording. A "Retry" button appears which needs to be pressed then.
- In Date/Time settings page, the date and time values shown are from PC instead of from device.
- 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.
- Devices which are assigned to a recorder (e.g. VRM) are not marked in the Wizard with a green checkbox if another recorder is selected. Multiple assignments may happen and special attention is needed.
- 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.
- VRM parameters can only partially be dragged into table view.
- 'Device info' dialog for Divar 700 only shows the general information tab and information that can be retrieved through the VideoSDK interfaces.
- Configuration Manager Wizard does not support Divar devices. Divar devices can neither be added to the system nor configured via Configuration Manager Wizard.
- No IPv6 & DNS check for VRM databases.
- DIBOS/BRS configuration (neither configuration pages nor via external configuration tools) is not supported.
- 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.

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- 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.
- User interface for the DIVAR AN 3000/5000 FW upgrade feature is only available in English.
- 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.
- 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.
- Underscore character ("_") and blank space are not allowed in common name in certificates.
- Once an authenticated is established, the user can still communicate with a device although the smart token might have been removed. To avoid unauthorised access, Configuration Manger should not be left accessible when the smart token with the client certificate is removed.
- IP address change of DSA E2700 in device tree may crash the application.
- With CPP7.3 AUTODOME and MIC cameras, an I/O error 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.

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- 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 colors 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.

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:

For stand-alone installation of Configuration Manager 5.0 or higher, .NET 4.5 must be installed.

Due to the change to .NET 4.7.1 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.

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From			Nuremberg
BT-SC/ETP-MKP1	Product Management		20.02.2020

6. System Requirements

Hardware	Personal Computer
CPU	Dual Core, 3.0 GHz or better
RAM	min. 2 GB
OS	Windows Server 2019 Windows Server 2016 Windows 10 64 bit Windows 7 SP1 64 bit
Graphic Card	refer to Video SDK 6.34
Ethernet Card	100 Mbps
Sound Card	Recommended
Software	Microsoft .NET 4.7.1
Free Memory (Installation)	250 MB (Configuration Manager, V-SDK)

7. Component Versions

RCP Plus SDK	4.63.0065
Symbol SDK	4.00.0037
VCA SDK	4.10.0038
Video SDK	6.34.0177
PD SDK	1.20.0002

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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From			Nuremberg
BT-SC/ETP-MKP1	Product Management		20.02.2020

8. Features and Changes with former versions

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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From			Nuremberg
BT-SC/ETP-MKP1	Product Management		20.02.2020

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.

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New Features with 6.20.0102

- New camera FLEXIDOME IP panoramic 7000 MP outdoor is supported.
- New Sony Minidome cameras SNC-EMX30, SNC-EMX30R, SNC-EMX32R, SNC-EMX50, SNC-EMX50R and SNC-EMX52R are supported.
- New Video Streaming Gateway version 7 is supported, allowing to configure up to 32 video inputs and a maximum of 255 inputs and relays each.
- New devices DIVAR IP all-in-one 5000/6000/7000 are supported.
- New devices VIDEOJET decoder 5000/7000/8000 are supported.
- New features from camera firmware 7.x are supported:
    - IP address change possible without rebooting the camera.
    - New field ‘hostname’ is supported.
    - Audio multicast is supported.
    - New function ‘export from memory’ allows recording export without SD card installed.
    - New scene modes settings for AUTODOME IP 7000 and MIC IP 7000/9000i are supported.
    - Preset calibration for thermal channel on MIC IP 9000i added.
    - New account types for AWS Kinesis and S3 are supported for cameras supporting these.
- Camera Trainer is supported, including a link to training videos.
- On decoders, the alarm frame around a video window can be switched off or shown blinking or constantly.
- Passwords, also for WLAN access port, can be changed on multiple devices in parallel.
- Firmware upload for multiple devices of different platforms (CPP) in parallel allows selection of multiple firmware files for different platforms, automatically detecting target platform firmware.
- Minimum firmware version and Commercial Type Number (CTN) are displayed and can be searched for as well as exported in table view.

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From BT-SC/ETP-MKP1	Product Management		Nuremberg 20.02.2020

Changes with 6.20.0102

- Security improvements for the password vault.
- Filter functionality has been enhanced.
- Firmware update dialog improved.
- Fields ‘unit name’ and ‘unit ID’ renamed to ‘device name’ and ‘device ID’.
- Scan and display of devices improved for devices with identical IP address.
- Improvements made for scanning and identifying DIVAR hybrid/network devices.
- Some missing tabs have been added for AVIOTEC camera.
- Enhanced feature list in ‘Device info -> Capabilities’ window.
- An issue with zoom threshold not stored with a privacy mask on AUTODOME is fixed.
- HW version field is removed from Devices tab.
- Various issues with VCA configuration and calibration fixed.
- Various smaller issues fixed.

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New Features with 6.10.0131

- Backup of device configuration can be stored in a configuration repository. System backup allows assignment of a backup password and software sealing of device configuration after backup.
- New FLEXIDOME 8000i camera family is supported, including dual SD card functionality.
- Project files from Project Assistant app can now be imported.
- Camera Trainer configuration is supported.

Changes with 6.10.0131

- User interface improved and various display issues fixed.
- Various issues with network scan fixed.
- Various issues with VCA configuration fixed.
- Various issues with VRM and VSG fixed.
- Various issues with handling of certificates and with MicroCA fixed.
- Various issues with ONVIF devices fixed.
- Various issues with VIDEOJET decoder 8000 and IP Matrix fixed.
- Various smaller issues fixed.

Changes with 6.01.0157

- An issue with certificate key generation is fixed.
- An issue with wrong status shown after firmware upload is fixed.
- Some issues with IP Matrix configuration are fixed. E.g. a button was added to start IP Matrix configuration, setting the correct decoder as master.
- Some issues with table view are fixed.
- Various issues with VCA configuration are fixed and improvements introduced.
- It is now possible to set virtual alarm triggers 17 to 32 for Video Streaming Gateway (VSG).
- An issue with some sliders not being shown for DINION thermal 8000 is fixed.
- An issue where retention time was not configurable for VIP-X1600-XFM4 is fixed.
- CHM help files are updated.

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New Features with 6.00.0122

- **New Table View**
  - Table view is now embedded in Configuration Manager user interface as an alternative view to the tab view interface. It does not open a separate window anymore but switches views between the two alternatives.
  - Device parameters are listed in an “Excel”-like view and are shown for all cameras that had been selected in this view.
  - Device multi-select is also possible in this view, providing a detailed overview of actual settings and allowing changes to parameters in a fast and comfortable way.
  - Custom table views provide means to focus on important and relevant settings, and together with extended import and export functions make configuration archiving and restoration an easy task.
  - Architectural changes help retrieving device parameters up to hundred times faster, supporting the new table view to present multiple devices’ parameters quickly and smoothly.
- A security assessment page has been added, providing an overview and status of the actually configured security level of the system
- Support for CPP4/6/7/7.3 FW 6.50 feature additions and changes, including:
  - Highly reliable SD card recording with life cycle monitoring
  - H.265 B frames support in Installer menu
  - Software Sealing
  - Discover port configuration
  - Possibility to increase the Power-over-Ethernet (PoE) demand signalled via LLDP
  - Missing SD resolutions added to stream 1 options for CPP7.3 cameras
- Cameras, also multiple, can be commissioned into Remote Portal.
- Support for configuration of online cameras via the Remote Portal.
- Support for motion recording in Video Streaming Gateway (VSG).
- Support for reworked device replacement in Video Recording Manager (VRM).
- Support for downloading DSA E2800 support bundle.
- Support for VIDEOJET decoder firmware version 9.50, including configuration of new IP Matrix.
- Support for recently introduced devices.

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From BT-SC/ETP-MKP1	Product Management		Nuremberg 20.02.2020

Changes with 6.00.0122

- Configuration Wizard has been removed.
  This has mainly been used in combination with Bosch Video Client installations which are not in focus anymore since version 5.50 and above.
- Offline configuration has been removed.
  This has lost functionality due to recent firmware changes and was rarely used.
- Various smaller issues have been fixed.

For earlier history, please refer to release notes of Configuration Manager 5.x or before.

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