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BT-SC/MKP8

Product Management

Nuremberg
17.05.2019

Release Letter

Product:	<i>Configuration Manager</i>
Version:	<i>6.20.0102</i>

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 6.20.0102 is a feature release based on version 6.10.0131.

Configuration Manager 6.0 introduced a reworked table view that makes configuration of multiple devices more comfortable and provides a better overview of settings in selected and multiple devices together with extended export/import functions. Along with it come improvements due to architectural changes that retrieve parameters from devices up to hundred times faster.

Configuration Manager 6.0 also introduced a security assessment page, providing an overview and status of the actually configured security level of the system.

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 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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3. New Features

- 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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4. Changes

- 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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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.
- BVC system setup is limited to 200 inputs (cameras, relays, digital I/O).
- 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.
- User names and passwords for BVC user management are limited to 31 characters.
- 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.



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- 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.
- 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.



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- 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 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 4.5 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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6. System Requirements

Hardware	Personal Computer
CPU	Dual Core, 3.0 GHz or better
RAM	min. 2 GB
OS	Windows Server 2016 Windows Server 2012R2 64 bit Windows 10 64 bit Windows 8.1 64 bit Windows 7 SP1 64 bit
Graphic Card	refer to MPEG-ActiveX 6.32 or Video SDK 6.32
Ethernet Card	100 Mbps
Sound Card	Recommended
Software	Microsoft .NET 4.5
Free Memory (Installation)	250 MB (Configuration Manager, V-SDK)

7. Component Versions

RCP Plus SDK	4.62.0056
Symbol SDK	4.00.0030
VCA SDK	3.30.0214
Video SDK	6.33.0125
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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8. Features and Changes with former versions

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.



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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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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.

Changes with 5.54.0133

- Support for VIDEOJET decoder 8000 firmware version 9.10.
- Various smaller issues have been fixed.

Changes with 5.53.0127

- Support for DSA E2800 has been improved.
- Workflow in Service->Compatibility to set/remove access protection and password policy enforcement has been improved.
- Unknown licenses are displayed by license number.
- An issue with image rotation settings in German language has been fixed.
- Various smaller issues have been fixed.



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New Features with 5.52.0118

- Support of multi-pathing as of FW 6.43 and Video Recording Manager 3.71 when using DSA E2800 dual-controller storage systems.
- Any usual graphic format is accepted for stamping logo and will be automatically converted to match the camera's requirements.
- For legacy systems, password policy can be switched off.
- IGMP version configuration added.

Changes with 5.52.0118

- IVA counter display fixed by integration of latest VCA plug-ins.
- An issue was fixed where SNMP could not be deactivated on cameras running firmware below version 6.40.
- Improvements for user interaction with Smart Cards and certificates in MicroCA.
- Improvements for DSA E2800 configuration.
- Improvements for Table View.
- Fixed various usability issues.
- Fixed various smaller issues.



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New Features with 5.51.0051

- Support of new CPP7.3 cameras.
- Support of new features in VIDEOJET decoder 8000 firmware 9.0.
- User management has been improved to allow easy handling of certificate-based authentication and to provide a better, compact overview.
- Performance improved on certification pages, now loading faster. Design has been aligned with new user management pages.

Changes with 5.51.0051

- Optimization of user interaction with SmartCards and certificates in MicroCA.
- Improvements for DSA E2800 configuration.
- Improvements for Table View.
- Fixed various usability issues in VCA tabs.
- Fixed various usability issues with security settings.
- Fixed various usability issues with dome handling.
- Fixed various usability issues with MIC 9000i handling.
- Fixed various usability issues with VIDEOJET decoder 8000 handling.
- Fixed various smaller issues.



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New Features with 5.50.0226

- Support of new H.265 cameras based on platform CPP7.3.
- Support of new VCA calibration and VCA 6.40 features.
- Support of new security features in firmware 6.40, including certificate-based client authentication.
- Introduction of MicroCA
The MicroCA is an easy-to-use tiny certificate authority (CA).
MicroCA eases the management of small to medium systems deploying certificate device authentication as well as certificate-based user authentication.
Certificate based authentication allows to create closed systems with very high protection against malicious access.
The MicroCA is documented in a separate appendix manual.
It has been tested with:
 - SafeNet eToken 7300
 - Gemalto ID Prime MD 840
- Support of ONVIF Profile G recording configuration.
- Support of DINION IP thermal 8000.
- Support of display stamping and overlays configuration on VIDEOJET decoder 8000.
- Configuration file is now encrypted using strong AES encryption.
- Table View export functions were extended and an import function added.

Changes with 5.50.0226

- HTTPS connections are used by default for VRM communication.
- Certificate download and upload has been enhanced.
- Multiple users' management has been improved.

For earlier history, please refer to release notes of Configuration Manager 5.5x or before.