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BVC 1.4 SR2 Software Release Letter

Software Version 1.4.245 SR2
Release letter Version 1.0

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BVC 1.4.245 SR2 new features and fixed problems

New Features

1. BVC now supports DVR440/480/630/650 and 670 devices. Firmware 2.1.0 is required on the DVRs to be supported in BVC 1.4 SR2.
2. AES capability now always available (does not require additional license)

Fixed problems

1. Improved stability of VideoClient and ExportPlayer.

BVC 1.4.203 SR1 new features and fixed problems

New Features

1. Support of IP camera/Encoder Firmware 5.60
2. Support of VIPX16 XFE
3. Image Calibration:
   Adjust brightness, contrast and gamma correction for all channels, or independently for red, green, and blue channel: Affects only video display, the video data itself is not altered.
   Sharpen video display: Affects only video display, the video data itself is not altered.

Fixed problems

1. Minor translation issues corrected
2. Update of some GUI context menus
3. User permissions for PTZ controllable devices now work correctly

BVC 1.4.083 new features and fixed problems

New Features

1. BVC now supports all Bosch IP devices with firmware 5.52, including the autotracker domes.
2. Intuikey support for BVC has been expanded and improved:
    a. Playback is now supported
    b. Both ASCII keyboard/mouse and Intuikey can be used simultaneously
    c. Live camera stream can now be assigned to cameos on the second monitor
3. BVC now works with VRM 2.30 which has support for Netapp E-series storage solutions.

Fixed problems

1. Intuikey tilt up/down operation has been swapped.

BVC 1.3.837 new features and fixed problems

New Features

1. BVC now supports all Bosch IP devices with firmware 5.51, only the autotracker feature is not yet supported.

Fixed problems

1. A problem with playback of recordings of Sony Onvif cameras through VSG has been fixed.

2. Intuikey tilt up/down has been reversed.

3. BVC would crash when installed in a folder with a name containing Chinese characters. This has been fixed.

BVC 1.3.825 new features and fixed problems

New Features

1. BVC recognizes and supports the following new devices:
    Video Streaming Gateway (part of VRM 2.22)
    AutoDome 700
    VG5-836
    Dinion NER-L2
    Dinion HD 1080p HDR IVA
    FlexiDome HD 1080p HDR IVA

Fixed problems

1. Ticket BVC-3800: BVC crash when log-off from VRM and perform a re-logon

2. Ticket BVC-3881: Random crash during logon with VRM set up

3. Ticket BVC-3904: No VCA list in IVA search after logout and login - playback - same track

BVC 1.3.812 new features and fixed problems

New features

1. BVC supports all cameras supported by camera firmware 5.50
2. BVC supports VRM 2.21.17
3. BVC shows VRM logbook entries.
4. BVC supports BRS 8.9 and Dibos 8.5 live viewing and playback license free.
5. BVC allows workstation-local playback of SD-card containing video data recorded in-camera.
6. BVC supports a second monitor as spot monitor showing predefined multiviews and sequences.
7. BVC supports Intuikey operation of BVC live mode. Please use firmware 1.96 on the Intuikey unit. In Intuikey mode, no PC keyboard or mouse are needed to operate BVC.
8. BVC supports recorder-local time entry for searching and playback. This feature enables operators to use recorder-local time even when performing searches on BVC workstations located in another time zone.
9. BVC supports forensic search on Divar 700 recordings. (Divar 700 firmware must be upgraded to 3.6)
10. BVC allows license free replay, only live mode has camera channel licenses for BVIP devices. The first 16 live camera channels are free. Above 16 camera channels additional licenses can be bought. BVC supports up to 128 BVIP camera channels. For Divar 700 Series and BRS systems no BVC licenses are needed for live or playback.
11. BVC installer now supports unattended install.
12. BVC can be “deployed” as a zero-install application directly from the Divar 700 Series recorders running firmware 3.6.

Fixed problems

1. Text search on a DVR export now works.
2. Exports of Divar 700 Series now contain motion events and alarms.
3. HD cameras connected through Divar 700 will now show with correct aspect ratio in BVC.

BVC 1.2.654 new features and fixed problems

New features

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Fixed problems

1. A problem with daylight saving time for UK (local time = UTC) has been fixed.

BVC 1.2.653 new features and fixed problems

New features

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Fixed problems

1. A problem in Configuration manager with PSK for wireless cameras has been fixed.

BVC 1.2 new features and fixed problems

New features

1. BVC provides viewing, playback and archiving facilities for all IP camera and IP encoder devices supported by VideoSDK 5.1. The configuration wizard helps the user getting the camera system up and running quickly. The configuration manager allows detailed control of all features of the encoder and camera devices.

2. BVC supports the Divar 700 Series recorders with analog and SD and HD IP cameras. For configuration of Divar recorders the Divar Configuration Tool can be activated from within the configuration manager.

3. BVC supports direct connection to a single VRM or single Divar 700 Series recorder and use of entitlements and rights defined at the device.

4. BVC supports single site logon connection to up to 3000 sites. All recorders on a site must have the same user accounts and user-passwords defined. When logging on to a site all cameras enabled on the recorders on a site are directly visible within BVC. For system configurations with many sites a filter can be defined which limits the sites visible in the site selection list to a manageable number.

5. BVC allows per user definition of directories containing exports and screenshots. These directories are traversed when showing listings of exports and screenshots available for playback.

6. BVC screenshot images can be captured in BMP, JPEG and PNG image format.

7. BVC supports VRM 2.12.0019 or later.

8. BVC supports the BVIP VIPXD and VIPXHD decoders. This feature allows live camera streams from BVIP devices to be redirected from BVC to decoders. The monitor wall task panel shows the special relationship of the monitors attached to decoders.

9. BVC collects the logs of Divar 700 devices.

10. BVC can show recorded text metadata from ATM/POS devices connected to Divar 700 Series units with both live and recorded video for a single stream. It also allow text search on recorded streams.

11. BVC shows multiple tracks per video input when two recording tracks are defined for a video input or when a VRM backup track has been configured in the CM.

12. BVC allows definition and starting of VRM backup jobs. It shows the completion status of the background jobs like backup jobs, format and ANR. These jobs can be cancelled from BVC.

13. BVC supports backup or fail-over VRM servers. When logon to the primary server fails, the second VRM server is used. Should the primary server come online again, then BVC will not try to reconnect to this primary server automatically. When BVC is restarted logon to the primary VRM server is tried first.

14. BVC can be “deployed” as a zero-install application directly from the Divar 700 Series recorders running firmware 3.43. Note that Divar 700 firmware 3.41 contains the zero-install version of Divar 700 Series Control Center (predecessor of BVC). In all other aspects both versions are identical.

Fixed problems

1. AUX commands now work for correctly for OSRD and Bicom.

2. Replay from local recording (SD cards, direct iSCSI, built-in HDD/USB drive) now works if user level password is set on the encoder, provided you only have devices with local recording. Replay is possible if you add this password to the CM\System tab General\Client/Server - iSCSI Media tab. Please note that as soon as you have a VRM also added to your system then you have no replay from the devices with local recording, even not from a device that is in your VRM with ANR activated "Track 2".

3. BVC audio replay now Works reliably.

4. A problem preventing motion alarms from appearing in the event list has been fixed. So maximize on new alarm now works.

BVC 1.1.400 new features and fixed problems

New features

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Fixed problems

1. Multicast is supported in networks having routers capable of handling multicast traffic.

2. PTZ handling is improved. Cameras in the junior dome family used to revert to auto-iris and autofocus when the manual iris or focus control button was released. This is no longer the case.

3. When opening a video stream for display in a cameo, sometimes the cameo remained black. This has been fixed.

4. The camera extension license(s) are now accepted.

BVC 1.1 new features and fixed problems

New features

1. An Export log file containing a list of exports is now created:
   In XP:
   C:\Documents and Settings\All Users\Application Data\Bosch\VideoClient\ExportLog.txt
   In WIN7:
   C:\ProgramData\Bosch\VideoClient\ExportLog.txt

2. BVC has support for DLA 1200 and 1400 Series storage systems.

3. BVC now shows the total number of search hits during IVA search and Event search.

4. The context menu of export now has an authentication option.

5. A logbook is kept and stored:

In XP:
C:\Documents and Settings\username\Application Data\Bosch\VideoClient\Logbook<n>.txt
In Win7:
C:\Users\username\AppData\Roaming\Bosch\VideoClient\Logbook<n>.txt

Fixed problems

1. Cameo overlay icons did not always (dis)appear correctly in all use-cases. This has been fixed.

2. On windows 7 systems the help viewer could not be started.

3. In some cases the Configuration Manager did generate an incorrect database encoding which BVC failed to read.

4. Playback of recordings on VRM device was impossible for disconnected cameras.

5. Some property dialogs did not correctly show (long) property values.

6. Under some conditions DirectX Redistributables would not install properly, requiring reregistering certain security DLLs. This is no longer needed.

7. Password length is now 31 characters in both Configuration manager and Bosch Video Client.

8. A bug in Configuration Manager that would crash Configuration Manager when no password was entered for access to a password protected configuration database has been fixed.

9. When camera access in Configuration Manager has been set to "Access Denied", you no longer can view the camera recordings or the relay/contact state in playback.

10. Setting "Control denied" on a camera in Configuration Manager now shows the contact/relay state of the camera, but does not allow toggling of this state.

C) Known limitations

1. The BVC application has localization in place for 19 languages, but only English BVC operator's manual and help is available at release of BVC 1.4. Some search algorithms in Forensic search are available only in English and German language. They will present English language dialogs in other languages. Translations of the manual will be available at the Bosch website. The translated application help files will be made available in an aftercare release that will be available on the Bosch website http://www.boschsecurity.com.

2. When installing BVC on a computer which has BVIP Lite Suite installed, the number of users that can be defined is limited to 30.

3. The configuration manager allows a camera to be attached to more than one VRM (for instance by running the wizard twice and assigning the same camera to two different VRMs). This however leads to unpredictable behavior and should be avoided.

4. BVC 1.4 supports export in windows compatible ASF format and native MP4 Format. For export in ASF format to work, your PC must have Windows Media player 11 installed.

5. Maximum export file length of BVC 1.4 is limited to 2 GByte.

6. Under Vista when using UAC, Configuration Manager must be run as administrator for valid licensing.

7. Password-protected devices cannot be reconfigured using the Wizard.

8. FTP is limited to IP address only, using and URL is not supported.

9. When the integrated iqn-Mapper is used in a non-VRM environment, the iSCSI configuration passwords must be set equal at all iSCSI targets.

10. Alarm input rules of AutoDomes running firmware version 4.10 can not be configured correctly in Configuration Manager. The Web interface should be used instead.

11. After changing the IP address of a device the settings page might not be updated automatically. Manual refresh might be required.

12. 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.

13. In CM when time zone had been changed in Advanced Mode, synchronization to PC in Basic Mode does not update time zone.

14. In CM the “Save” button is not activated in Basic Mode when DHCP settings are changed.

15. In CM in Date/Time settings page, the date and time values shown are from PC instead of from device.

16. Upload of a configuration file might be incomplete if it includes recording settings. It is recommended to check the settings manually.

17. 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.

18. BVC system setup is limited to 200 inputs (cameras, relays, digital I/O).

19. When setting up an environment using multiple (VRM) recorders, extra caution is required when using Configuration Managers Wizard:
    As expected: Devices configured for the recorder referred in the recorder step will be marked by a green block in the checkbox.
    Pitfall: Devices configured for another recorder will not be marked by a green block in the checkbox.
    Selecting the devices for (re-)configuration can cause unpredictable behavior for earlier settings and recordings. Earlier recordings may not be accessible any more.

20. When setting up an environment using Divar 700 recorders, extra caution is required when configuring user rights. The user rights in a system with BVC are managed by BVC. This means that the user account used to access the recorder must have full rights assigned.
    A side effect of this is that a BVC user, who may not have playback rights to a camera attached to a Divar 700 unit, will be able to switch to playback. However he will not see a timeline and he will not be able to do playback.

21. In CM Saving empty password may cause I/O error message without effect for the setting.

22. User names and passwords for BVC user management are limited to 31 characters.

23. BVC does not refresh the monitor wall tab when a broken network connection to a VIPXD device is restored. Please restart BVC to refresh.

24. Exports contain no motion events.

25. Protect or erase track do not work for device local recording.

26. Timeline/event searches do not contain audio.

27. When logging onto a recorder using the site connector feature, BVC can possibly indicate the wrong site name, if the recorder is mentioned multiple times in the site configuration file.

28. When using the instant playback feature of BVC, the cameo of the instant playback camera can go black once the playback time gets close to NOW.

29. Use monitor wall 4 software with BVC only when only a single BVC controls the monitor wall. Monitor wall 4 does not notify view changes. Monitor wall 5 does not have this limitation as view changes get properly notified.

30. Select Bosch Autodome Bilinx protocol to control PTZ of a VGEN4 dome, not the Bosch Autodome protocol. The Bosch Autodome protocol causes IVA metadata recording to stop.

31. BRS support is limited to live viewing and playback, inputs and relays. Export and event searching are not supported.

32. BVC export player does not support BRS archives.

33. Instant recording of cameras connected to the same Divar 700 Series recorder is limited to 1 camera at the time. (A Divar 700 Series recorder can only perform one backup job at the time.)

34. When using Intuikey with BVC the Intuikey Softkey and status Display strings are in English language only.

35. When using Intuikey, no more than 999 cameras can be selected using numeric keypad (3 digits).

36. The device time as shown in live cameo for BVIP devices actually is based on workstation time, not on the device time.

37. In recorder systems with VRM, where the obsolete VRM configurator was used to configure the VRM, cameras configured for VRM will show up twice in the camera device list of BVC if the cameras and the VRM have also been added to the BVC system using BVC Configuration Manager.

38. Currently the export log file ExportLog.txt is located in a fixed location and can not be modified:

- On XP C:\Documents and Settings\All Users\Application Data\Bosch\VideoClient
- On Win7 C:\ProgramData\Bosch\VideoClient

39. BVC exports from BVIP devices do not contain motion events

40. Protect for local recording does not work.

41. Delete of local recordings does not work.

42. BRS can only delete recordings per whole day. Divar 700 and BVIP devices/VMR allow arbitrary timestamps in seconds for specifying start and endtime of recordings to be deleted. The BVC user interface does not give recorder specific feedback.

43. CM can not start native configuration of BRS systems.

44. ASF exports for 720p or higher resolution video streams may encounter computer crashes due to the Windows Media Player ASF encoder library using too much computer memory (OutOfMemoryException). As this encoder library is outside our control, we can not make a permanent solution for this problem.
As a partial workaround for 64 bit operating systems, it is possible for processes to consume 4 GByte of memory in stead of only 2. This will require to set the “App can handle > 2GB address space” flag on the executable file of BVC:VideoClient.exe. This flag is set automatically when running BVC. No further action needed.
As a partial workaround for 32 bit operating systems it is possible to make more physical memory accessible to BVC. For detailed information please refer to:
http://usa.autodesk.com/adsk/servlet/ps/dl/item?siteID=123112&id=9583842&linkID=9240697
and
http://msdn.microsoft.com/en-us/library/ff556232.aspx

45. BVC will not display correct cameo time for cameras attached through VSG.

46. When a text source on a Divar 700 recorder is attached to two different cameras, text searches will only return search hits for the first camera.

47. BVC workstation-local recording of VSG-connected cameras does not work.

48. Forensic search on exported video clips can sometimes lead to wrong results

49. The 'Site connect' feature is not supported for DVR400/600

50. Relays/Contacts are not named "Contact" but are labeled as the 'Camera name' for DVR400/600

51. Direct login via command line is not supported for DVR400/600.

52. DST recordings can cause gaps and overlaps in timeline. DST recordings are available for DVR400/600.

53. Authentication on exports via BVC is not supported for DVR400/600. To get export with authentication either perform export on local DVR or via the Web client.

54. Building up the time line for DVR400/600 could be slower compared to Divar 700.

55. No overlay data (VCA) is supported on DVR400/600.

56. Playback of recordings made by earlier DVR400/600 firmware releases could cause an error message in the timeline.

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.

D) Installation requirements

The BVC application requires the following minimum PC configuration:

- Processor:	Intel Pentium DualCore, 3.0 GHz or comparable
- RAM memory:	2048 MB
- Free hard disk space:	10 GB
- Graphics card:	NVIDIA GeForce 8600 or higher
- Network interface:	100/1000-BaseT
- Operating System	Windows XP (Service Pack 2 or higher) or Windows 7 (32 bits and 64 bits)
- Software	DirectX 9.0c MPEG-ActiveX 5.06.00.13 or newer .Net Framework 2.0 and 3.5

E) Quick installation and configuration

1. Double-click the installer.
   Follow the instructions of the software package installer.
2. Start BVC by double clicking the BVC icon on the desktop. BVC will automatically start the configuration wizard to help define your camera system.
3. Fill in the wizard screens. After completing the wizard you end up in the Configuration manager.
4. Make sure that the updates, which are applied to the camera configuration in the Wizard and Configuration manager, are passed on to BVC. You can force this by performing the following steps in the Configuration Manager:
   - Make sure that in menu File modus advanced is active.
   - Select "Application" | "Video Client" in the system panel.
   - Select the "Cameras" Tab above the right side panel.
   - Unselect and then select a camera by clicking two times on a tick mark before a camera device in the "Camera order" panel. The floppy disk on the button ribbon below the menu bar will turn blue.
   - Click on the floppy disk button to save the configuration, or click "Yes" in the Warning panel popping up when you want to switch to another tab.
5. Close the Configuration Manager program.
6. Run the BVC client software:
7. Start | All Programs | Bosch Video Client | Bosch Video Client.

F) Tips and tricks

After uninstalling BVC and reinstalling it again, the existing configuration of the first installation is still available to the newly installed BVC. If you do not want this, you should remove the file:
C:\Documents and Settings\<user name>\Application Data\Bosch\VIDOS\conf\vdb.xml (on Windows XP)
Note: In this path you should replace <user name> with the name of the logged on user.

After running the configuration wizard, the file vdb.xml will created.
