

Release date
2017-07-19

Product DIVAR hybrid 3000/5000	Document type Release notes	Release # V1.2.1 (2017-07-19)	SAP/Doc number AR18-17-B001
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Video Recorder DIVAR hybrid 3000/5000 recorder

1 General Notices

**Notice!**

Bosch strongly recommends upgrading to the latest firmware for the best possible functionality, compatibility, performance and security.
Check <http://downloadstore.boschsecurity.com/> regularly to see if there is a new firmware version available.

**Notice!**

Bosch strongly recommends to enforce a strict password policy by using strong unique passwords with at least 8 characters including combinations of numbers and special characters.

**Notice!**

Bosch strongly recommends to use https (instead of http) for secure communication.

**Notice!**

For the latest version of the operating manual, please check the Bosch website.

2 DIVAR hybrid 3000/5000 firmware v1.2.1 (2017-07-19)

File name: DIVAR_hybrid_V1.2.1.R.20170719.bin

Supported models:

- DIVAR hybrid 3000 recorder 16AN / 16IP channels
- DIVAR hybrid 5000 recorder 16AN / 16IP channels

This release includes the following new features/improvement:

- The camera name in live mode that is partly covered by on screen icons can be completely shown by moving the mouse pointer on the name.
- ONVIF compatibility of Sony and Axis IP cameras has been improved.
- In full screen or quad playback mode the full camera names are displayed in the camera selection dropdown boxes rather than the camera ID to simplify the selection of the right camera.

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- Several improvements have been made to the archive player to enhance the archive player usability.

This release includes the following bug fixes:

- Fixed a compatibility issue with Bosch camera firmware v6.40 and later. The camera firmware got a change where the default I-Frame distance was increased to reduce the bitrate. As a result, it may take a while to display the video when switching camera view modes in our recorder. This problem has been resolved in this firmware by overwriting the default value upon connecting the camera. This value can also be configured in the configuration menu.
- An issue in the Archive player where authenticating archive files sometimes incorrectly reports authentic files to be tampered with, is fixed.
- An issue where exported video sometimes could not be played in the archive player has been resolved
- Dome control via RS232 is now possible.
- In the previous firmware v1.1.2 it was not possible to download new firmware via the local user interface from the Bosch downloadstore. This has been corrected.
- An issue where the time-zone synchronization with IP cameras got an incorrect UTC offset under GMT+0 has been corrected.

DIVAR hybrid 3000/5000 supports the following PC software, mobile APPs and Web browsers:

- Bosch Video Client v1.7.6
- iPhone phone APP DIVAR Mobile Viewer v1.3.0.
- Android phone APP DIVAR Mobile Viewer v1.3.0.
- Browser support: IE10/IE11, Firefox and Google Chrome.

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Known limitations / system behavior:**General:**

- DIVAR hybrid recorder do not support multi-channel encoders and only supports Bosch IP cameras with a firmware version 6.30 or higher.
- In the device search, the MAC address of the cameras is not always shown the first time. This will only be shown after the camera has been connected once.
- When executing a device search, it may be that not all devices are found the first time. Searching again will find the additional devices not found the first time as well.
- The “Motion configured by Recorder” features is depending of several settings in the camera. For simplicity we therefore advice to use the “Motion configured by Camera” feature were the region setting is done via the web configuration page of the camera.

Local interface:

- In 32CH Live viewing, the 2nd stream of the camera will be obtained. If this stream is 4K or higher, the video can't be displayed and the message: “Resolution too high to display” is displayed.
- The system can decode 16 * 1080p or 4 * 4K. If the total amount of channels displayed has a higher combined resolution, not all channels can be displayed anymore. The channels that can't be displayed will receive the message: “Over decode ability”.
- No AUX, Focus and Iris control possible on PTZ camera using ONVIF commands sent via IP connection.

Playback:

- In multi-channel playback in fast-forward mode, the playback time is not in sync for all channels. After switching to normal speed, the playback continues in sync again.
- Single-stepping does not always work correctly in playback mode.
- Display privacy mask feature for IP cameras can be set for live, however these private masks are not recorded and also not shown in the live APP view.

Player:

- Channel / Time overlay incorrectly scale with the video instead of displaying at a static readable size.

RAID:

- Using RAID has a large impact on the system performance. In order to maintain fluent playback, it is recommended to keep the amount of channels performing playback small. (e.g. 1x or 4x playback).
- RAID (re)building is slow and may take several days to weeks to complete. During this time, the RAID system is fully active and working though.

Web clients:

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- The pages: network info, network test and HDD info/health are not available for the web clients and can only be accessed on the device itself.
- It is not possible to change the username or password of users which are currently logged in.
- Opening video in full-screen will always be loaded on the 1st monitor, even when the full-screen is requested on the 2nd monitor.
- The frame size does not correctly re-scale when the browser is being resized. Switching between tabs (Live/Playback) resolves this.
- With the release of Firefox version 52, the support of plugins has been ended by Mozilla Firefox. To be able to use Firefox web client in this and previous firmware releases a Firefox version lower than version 52 must be used to be able to load the plugin. Or check recommendations of Mozilla support that might enable continued operation alternatively: https://support.mozilla.org/en-US/kb/npapi-plugins?as=u&utm_source=inproduct
- Chrome web browser requires a dedicated plugin that can be downloaded from the Bosch web site in the DIVAR network product pages.

SNMP:

- No traps are launched for HDD status changes and recording stops.

Monitors:

- The NVR's support the option to adjust the display of the monitor to ensure a proper fit of the display signal. For some monitors it could still be that this adjustment is not sufficient though.

Bosch strongly recommends upgrading to the latest firmware for the best possible functionality, compatibility and performance.

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3 DIVAR hybrid 3000/5000 firmware version history

3.1 Version 1.1.2 (2017-03-24)

File name: DIVAR_hybrid_V1.1.2.R.20170324.bin

Version 1.1.2 is the Initial firmware release for the hybrid recorder

Supported models:

- DIVAR hybrid 3000 recorder 16AN / 16IP channels
- DIVAR hybrid 5000 recorder 16AN / 16IP channels

Key features:

- Hybrid recording of up to 16 IP and 16 analog channels or 32 IP channels
- Up to 960H resolution for analog channels and up to 12MP for IP camera support for view and playback with maximum 320 Mbps incoming bandwidth
- Simple operation using Install Wizard for initial setup
- Separate internet and IP camera networks
- Real time live display for 16 channels @1080p or 4 channels @4k
- Compact, sturdy and stylish design
- Supports H.264 video compression technology and is H.265-ready
- Simultaneous record and view multiple video signals
- Free Bosch DDNS service
- Alarms in and outputs with extensive alarm handling functions
- Local control by mouse, front panel or remote control
- Local VGA and HDMI monitor outputs
- Dome control
- Keyboard control for 5000 hybrid model
- Web application access via network
- Authenticity check for local and remote archives
- Smartphone App's
- Bosch Video Client v1.7.6 including Configuration Manager is supporting DIVAR hybrid firmware v1.1.2 and higher
- Improved Export player v3.33.6 shows the correct resolution ratio of the exported cameras.

DIVAR hybrid 3000/5000 supports the following PC software, mobile APPs and Web browsers:

- Bosch Video Client v1.7.6
- iPhone phone APP DIVAR Mobile Viewer v1.2.0
- Android phone APP DIVAR Mobile Viewer v1.2.1
- Browser support: IE10/IE11 and Firefox

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Known limitations / system behavior:**General:**

- Audio from IP cameras are not supported for this release. This will be resolved with new camera FW 6.40.
- In the device search, the MAC address of the cameras is not shown the first time. This will only be shown after the camera has been connected once.
- Motion configuration by recorder is only possible with Bosch IP cameras that do not have an IVA chip on board. For cameras with an IVA module, the motion detection algorithms have to be specified on the camera interface itself.
- DIVAR high secure authentication of user name and passwords credentials has the following constraints:
 - o All user names and passwords will be case sensitive
 - o In order to change an account name, the account password must be provided as well (due to the high encryption in firmware side)
 - o Android APP v1.2.1 and iPhone APP v1.2.0 or higher must be used to support this firmware. Older versions will not be compatible.
- DIVAR hybrid recorder do not support multi-channel encoders and only supports IP cameras with a firmware version 6.30 or higher.

Local interface:

- The setting to display/hide the channel name also automatically displays/hides the status icons.
- In 32CH Live viewing, the 2nd stream of the camera will be obtained. If this stream is 4K or higher, the video can't be displayed and the message: "Resolution too high to display" is displayed.
- The system can decode 16 * 1080p or 4 * 4K. If the total amount of channels displayed has a higher combined resolution, not all channels can be displayed anymore. The channels that can't be displayed will receive the message: "Over decode ability".
- For the DIVAR hybrid recorders the "menu transparency" feature is not available.

Playback:

- In multi-channel playback in fast-forward mode, the playback time is not in sync for all channels. After switching to normal speed, the playback continues in sync again.
- Single-stepping does not work correctly in playback mode
- Display privacy mask feature for IP cameras can be set for live, however these private masks are not recorded and also not shown in the live APP view. Privacy mask setting for analog cameras will be recorded.

RAID:

- Using RAID has a large impact on the system performance. In order to maintain fluent playback, it is recommended to keep the amount of channels performing playback small. (e.g. 1x or 4x playback).

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- RAID (re)building is slow and may take several days to weeks to complete. During this time, the RAID system is fully active and working though.

Web clients:

- The pages: network info, network test and HDD info/health are not available for the web clients and can only be accessed on the device itself.
- It is not possible to change the username or password of users which are currently logged in.
- The overlay area does not enlarge when the video is zoomed in.
- Firefox does not stream video on a 2nd monitor.
- Chrome web browser is not supported in this release.

SNMP:

- No traps are launched for HDD status changes and recording stops.

Mobile app:

- The mobile APPs can only connect through HTTP and not through HTTPS. Be aware that these APPs are not using a secure encrypted communication. HTTPS for secure encrypted communication will be implemented in the next release of the DIVAR Mobile Viewer APPs.

Monitors:

- Some monitors (e.g. LG 27MU67-B) with automatic stand-by are not automatically reconnected after being turned off/on. In this case the HDMI cable needs to be physically reconnected. In this case we recommend to turn the automatic stand-by option off.
- The NVR's support the option to adjust the display off the monitor to ensure a proper fit of the display signal. For some monitors it could still be that this adjustment is not sufficient though.

Bosch strongly recommends upgrading to the latest firmware for the best possible functionality, compatibility and performance.

3.2 Version 1.2.0 (2017-05-24)

4 DIVAR hybrid 3000/5000 firmware v1.2.0 (2017-05-24)

File name: DIVAR_hybrid_V1.2.0.R.20170524.bin

Supported models:

- DIVAR hybrid 3000 recorder 16AN / 16IP channels

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- DIVAR hybrid 5000 recorder 16AN / 16IP channels

This release includes the following new features/improvement:

- The DIVAR Mobile Viewer APPs v1.3.0 for iOS and Android can now also connect through HTTPS that ensure encrypted communication between DVR and APP.
- The DIVAR Mobile Viewer APPs v1.3.0 for iOS and Android are now also compatible with the DIVAR AN 3000/5000.
- Bandwidth limit feature has been added with the option to limit the bandwidth traffic to network connections outside the subnet of the DVR (WAN). Bandwidth limit does NOT apply to network connection on the same subnet unless specified differently.
- Chrome web browser is now supported in this release.
- An export button is added in playback window on web-client.

This release includes the following bug fixes:

- The option: "Channel display" now only shows/hides the channel name and not the event and recording icons.
- The issue where an incorrect time zone was sent to the camera in case of GMT+0 was used, is solved in this release.
- The DIVAR network/hybrid Web client can now work together with the DIVAR AN 3000/5000 Web clients.
- Port 5000 can now also been used.
- The latest recording time in the info page is updated more regularly.
- SNMP configuration do now also allow configuration of TRAP port 161.
- Showing an incorrect temperature alarm in some cases has been corrected.
- Issues with the cameo overlay in the web-client have been fixed.
- Local UI text that is too long to fit in the window is now cut off. Hoovering over the text with the mouse will show the full text. Additionally, several improvements to the actual text translations have been made.
- An issue where the recording could be paused for several seconds when the recording thread switched between different HDD partitions has been fixed.
- An option has been implemented to prevent analog cameras connected through a LTC8016 Bilinx converter from continuously spinning.
- The issue where remotely deleting video when DST is activated would result in deleting the wrong hour has been corrected.
- Handling improved for PTZ commands from Android APP for installations with more than one PTZ camera.

DIVAR hybrid 3000/5000 supports the following PC software, mobile APPs and Web browsers:

- Bosch Video Client v1.7.6
- iPhone phone APP DIVAR Mobile Viewer v1.2.0 and v1.3.0.
- Android phone APP DIVAR Mobile Viewer v1.2.1 and v1.3.0.
- Browser support: IE10/IE11, Firefox and Google Chrome.