From		Telephone	Nuremberg
STVC/PRM	Product Management	+49 911 93456 0	30.05.2012

Release Letter

Product:	***MPEG-ActiveX***
Version:	***5.30.****00.14*

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

MPEG-ActiveX 5.30.00.14 is a maintenance release based on the former release 5.20.00.46.
It is required for live viewing, playback and configuration via Web browser interface for BVIP products with firmware versions 5.5x.

1 New Features

- Selection of objects for the automatic object tracking dome feature.
- Support of 720p, 1080p, and 5MP cameras.
- Enhanced and improved load balancing for efficient use of the PC processing power.

BOSCH and the symbol are registered trademarks of Robert Bosch GmbH, Germany

From		Telephone	Nuremberg
STVC/PRM	Product Management	+49 911 93456 0	30.05.2012

2 Previous Revisions

2.1 Changes with 5.20.00.46

- A problem with the audio back channel has been fixed.

2.2 New Features with 5.20.00.45

- Firmware 5.50 and IVA 5.5 support
- Access to encoded live and recorded media data
- AAC codec support for TCP connections
- IPv6 support for live streams from devices with firmware 5.50

2.3 New Features with 5.10.00.74

- Support of Dinion HD 1080p cameras
- Improved responsiveness in overload situations

2.4 New Features with 5.06.00.13

- Support of H.264 B-Frames
- Support of 720p and 1080p cameras

3 Installation notes

When installing the Video SDK a user guide and the documentation of the interfaces are installed along with the application. Both documents are joined in the Video SDK help document.

Supported platforms are:

- Windows XP SP3 (32-bit), .Net framework 3.5 required
- Windows 7 SP1 (Business, Home; 32-bit, 64bit in emulation mode), .Net framework 3.5 required

All Microsoft updates and hotfixes are expected to be installed on target PCs, graphics card drivers are also expected to have the latest officially released version.

BOSCH and the symbol are registered trademarks of Robert Bosch GmbH, Germany

From		Telephone	Nuremberg
STVC/PRM	Product Management	+49 911 93456 0	30.05.2012

4 Restrictions; Known Issues

- This version only supports Bosch IP encoders/cameras which are based on firmware 4.10 or higher. To ensure smooth and consistent replay the recordings must have been created with these firmware versions.
- The Web GUI of BVIP products with FW 4.10 and below is not fully functional with this MPEG-ActiveX version. MPEG-ActiveX 4.4x must be used instead.
- VIDOS-NVR, VJ800x, VIP-X1 and VIP-X2 devices are not supported
- Bosch MPEG-2 encoders are not supported
- For 32-bit color mode the PC must support YUV overlay.
- Streaming works only if a RCP+ connection is established. If multicast streaming is enabled, a device can only connect to the stream if a RCP+ connection exists. Although the multicast address is enabled, the IP address must be set in addition.
- Size estimation does not work properly if there are gaps in recording.
- Replay on limited bandwidth connections (e.g. DSL) does not work reliably
- File open commands when loading exports fail under rare conditions. In these cases the operation fails without delivering a return code.
- If application runs out of memory calling up cameos might result in crashes. Hosting applications must prevent these conditions, e.g. by limiting the number of cameos that can be instantiated.
- MPEG-ActiveX 4.4x used to decode 2CIF content even if the stream was delivering 4CIF content when the display area of a cameo was less or equal than 2CIF. This mode is not supported by MPEG-ActiveX 5.x.
- The methods for setting the Databits and the BaudRate for PTZ cameras are not supported by BVIP devices.
- Time synchronization between multiple cameos might deviate some seconds during fast forward/backwards operation. Switching back to real time restores accurate synchronization.
- Cameos might flicker during resize operations
- MPEG-ActiveX 4.x and MPEG-ActiveX 5.x cannot be installed on the same PC
- Critical sections are showing slow performance under Windows XP, especially with multi core PCs. In general it is recommended to use Windows 7 for optimized performance.

BOSCH and the symbol are registered trademarks of Robert Bosch GmbH, Germany

From		Telephone	Nuremberg
STVC/PRM	Product Management	+49 911 93456 0	30.05.2012

5 System Requirements

Minimum configuration with the following specifications:

- Intel Pentium Dual Core, 3.0 GHz
- 2 GB RAM
- 100 Mbps Ethernet
- No sound card installed
- Graphics card: NVIDIA GeForce 8600 (PCI Express)

High performance configuration with the following specifications:

- Intel® Core™2 Duo E8500 3.16 6MB/1333 CPU
- 6 MB L2 Cache
- 1333 MHz Front-Side-Bus (FSB)
- 2 GB DDR2 800 ECC Dual Channel Memory
- Integrated 10/100/1000 Mbps Gigabit-Ethernet
- Integrated Audiochip for full-duplex Audio (1x Mic, 1x LSP, 1x Lin-in)
- 160 GB SATA hard drive 7200 r.p.m.
- Graphics card: NVIDIA Quadro FX 4800 PCIe (512 MB, driver version 91.85)
- Dual Monitor

Supported platforms are:

- Windows XP SP3 (32-bit)
- Windows 7 (Business, Home; 32-bit, 64bit in emulation mode)

Note:

- .Net framework 3.5 required

Other supported graphic cards are:

- NVIDIA Quadro FX 3500 PCIe (256 MB, driver version 91.85)
- NVIDIA Quadro FX 1500 PCIe (256 MB, driver version 91.85)
- NVIDIA Quadro FX 4500 PCIe (512 MB, driver version 91.85)
- NVIDIA Quadro FX 4600 PCIe (768 MB, driver version 91.85)
- NVIDIA Quadro FX 4800 PCIe (768 MB, driver version 91.85)
- NVIDIA Quadro NVS 285 PCIe (128 MB, driver version 91.85)
- NVIDIA Quadro NVS 440 PCIe (256 MB, driver version 91.85)
- ATI FireGL V7200 PCIe (256 MB, driver version 8.323)
- ATI FireGL V3300 PCIe (128 MB, driver version 8.323)

BOSCH and the symbol are registered trademarks of Robert Bosch GmbH, Germany