



From

ST-VS/MKP1

Product Management

Telephone

Nuremberg

20.12.2013

## Release Letter

Product:	<b><i>MPEG-ActiveX</i></b>
Version:	<b><i>5.71.00.14</i></b>

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

MPEG-ActiveX 5.71.00.14 is a maintenance release based on the former release 5.61.00.46. It is required for live viewing, playback and configuration via Web browser interface for BVIP products with firmware versions 5.90.

### 1 New Features

- CPP4 cameras with firmware 5.90 are supported.
- Network device detection.
- Concurrent network connections to multiple devices.
- Live video rendering from multiple devices including in-window pan / tilt / zoom (PTZ) control.
- Playback video rendering from multiple devices including direction, speed, and stepping control.
- Live and playback audio rendering.
- Audio streaming to capable devices.
- Direct audio and video streaming to client applications.
- Recording of live video and rendering of recorded video.
- Still image capture.
- Device event searching including input alarms and motion alarms.
- Enhanced and improved load balancing for efficient use of the PC processing power.



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## 2 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), .Net framework 3.5 required
- Windows 7 (Business, Home; 32-bit, 64bit in emulation mode), .Net framework 3.5 required
- Windows 8 (32bit, 64bit in 32bit emulation mode), .Net framework 3.5 required

**Note:**

.Net framework 3.5 required

For supported graphic cards please refer to VideoSDK documentation.



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### 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
- Windows 8 (32bit, 64bit in 32bit 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.



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## 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.



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## 5 Previous Revisions

### 5.1 New Features with 5.61.00.46

- BVIP devices with firmware 5.70 and 5.80 are supported.
- New IVA plug-ins to support remote forensic search.

### 5.2 New Features with 5.60.00.50

- BVIP devices with firmware 5.52 and 5.60 are supported.
- BVIP devices with firmware 5.60 including Intelligent Tracking based on region of interest encoders are supported.
- BVIP devices with firmware 4.50-5.60 in scenarios with limited bandwidth are supported.
- Real-time video post-processing for live and recorded video (contrast, brightness, gamma correction, sharpness).
- Support for text overlay on videos.
- Extended support for BVIP dome cameras that support automatic object tracking.
- NetApp E-Series drives are supported.
- Added custom vertex and color format to account for Intel 82945G Express graphics chipset family.

### 5.3 New Features with 5.30.00.14

- 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.

### 5.4 Changes with 5.20.00.46

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

### 5.5 New Features with 5.20.00.45

- Firmware 5.50 and IVA 5.5 support



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- 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

## **5.6 New Features with 5.10.00.74**

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

## **5.7 New Features with 5.06.00.13**

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