From		Telephone	Nuremberg
STDN/PRM	Product Management	+49 911 93456 0	27.07.2012

Release Letter

Products:	***H.264 Firmware for*** **CPP3 cameras and encoders** **CPP4 HD cameras** **CPP-ENC H.264 encoders**
Version:	***5.52**.0727*

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

1 General

This firmware release 5.52.0727 is a maintenance release based on the former release 5.51.0530.
It is a combined firmware package, applicable to all H.264 products based on one of the following platforms.

The platforms have been renamed for a more generic recognition to “Common Product Platform”, short CPP, followed by the architecture-related number or suffix.
The filenames are adapted accordingly.

This firmware supports:

- CPP3 (formerly known as IPBE3) cameras and encoders
  - update from FW 4.54.0026 or newer
- CPP4 (formerly known as IPBE4) HD cameras
  - update from FW 5.01 or newer
- CPP-ENC (VIP-X1600-XFM4, VJT-X20XF-E and VJT-X40XF-E encoders)
  - VIP-X1600-XFM4 encoders: update from FW 4.2x or newer

Note:
To upgrade to a firmware version 5.5x using this combined firmware package, older firmware versions require an intermediate update cycle using the respective platform firmware version mentioned above.

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The combined firmware package includes the following build versions:

- CPP3 H.264 5.52.0015
- CPP4 H.264 5.52.0015
- CPP-ENC H.264 5.52.0009

For detailed description please refer to the separate release letters.

Applicable products:

CPP3 (formerly IPBE3)

- AutoDome Easy II IP series
- AutoDome Junior HD, Jr HD fix
- AutoDome 700 IP IVA
- VG4 AutoDome IP series
- VG5 AutoDome IP series
- Dinion XF 720p+, NBN-921-P
- Dinion XF, NBC-455-P
- Dinion 2X, NBN-498-P
- Flexidome XF 720p+, NDN-921-P
- Flexidome XF, NDC-455-P
- Flexidome 2X, NDN-498-P
- Economy Box Cameras, NBC-225 series, NBC-255 series, NTC-255-PI
- Economy Dome Cameras, NDC-225 series, NDC-255 series
- Economy HD Box Cameras, NBC-265 series, NTC-265-PI
- Economy HD Dome Cameras, NDC-265 series, NDN-265-PIO
- Extreme series EX30 IR, NEI-30 IR Imager
- Far Infra-Red camera, VOT-320
- VIP X1 XF Single-Channel H.264 Encoder
- WLAN cameras NBC-255-W and NBC-265-W
- Economic version VIP-X1XF-E
- Video Conference Dome IVA
- REG 1.5 IP and REG L2
- MIC IP PSU

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CPP4 (formerly IPBE4)

- AutoDome 800
- AutoDome Junior 800
- Dinion HD 1080p HDR
- Flexidome HD 1080p HDR
- Dinion HD 1080p, NBN-832VxP
- Flexidome HD 1080p, NDN-832V0x
- Indoor Minidome 1080p, NDC-274-Px
- Indoor Minidome 5 MP, NDC-284-PT

CPP-ENC (formerly VIPX H.264)

- VIP-X1600-XFM4 series
- VJT-X20/X40XF-E

2 New main features

- Support of new DSA E-series iSCSI storage arrays
- Intelligent Tracking (formerly AutoTracker) for HD resolution PTZ dome cameras
  Intelligent Tracking can be controlled by video analysis via an IVA task, e.g. when an object crosses a line Intelligent Tracking starts tracking this object.
  A user can manually start Intelligent Tracking by clicking on an object.
  In auto mode Intelligent Tracking will follow the biggest object.
- The compass function for AutoDome 700 and 800 series allows calibration for geographic OSD within the video.
  The compass function interferes with Intelligent Tracking and therefore is automatically turned off when Intelligent Tracking is activated.
- For VIP-X1600-XFM4, progressive video is possible due to de-interlacing video before encoding. This results in better video quality at comparable interlaced video bit rate.
  A selection field has been added to the Installer Menu, default is off.
  The license is not required anymore but remains functional where installed.

Please check the release letter of a platform firmware for specific features respectively the IVA 5.5 release letter.

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3 Restrictions; Known Issues

- This firmware and its included platform firmware builds are not applicable to MPEG-4 products.
- For VIPX H.264, only English-German is included. Other language firmware files can be downloaded from the product catalogue in the respective product folders.

Please check the responding release letter of a camera or encoder for further device-specific restrictions.

4 System Requirements

- Microsoft Internet Explorer 8.0 or higher
- Oracle Java Virtual Machine 1.6.0_26
- DirectX 9.0c
- MPEG-ActiveX 5.30 or newer
- Configuration Manager 4.35 or newer

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