



From STDN/PRM	Product Management	Telephone +49 911 93456 0	Nuremberg 27.07.2011
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## Release Letter

Products:	<b><i>VIP X1600 XFM4</i></b>
Version:	<b><i>4.21.0015</i></b>

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

### 1. General

BVIP firmware version 4.21.0015 is a maintenance release based on the former release 4.21.0006 solely for the VIP X1600 XFM4 encoder modules, applicable to no other VIPX platform products.

This release provides no additional features, just bug fixes as described below.



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## 2. Changes

- Improved speed of ONVIF command processing.
- For keep-alive reasons, the RTSP parameter GET\_PARAMETER is now supported.
- RTSP authentication using VLC is now possible.
- Various improvements for recording and event handling.
- Improved Internet Explorer 9 compatibility.

## 3. Changes with FW 4.21.0006

- The motion-based toggle mode as described in firmware 4.10 release letter is no more available in this release. Target bit rate is not shown anymore on the graphical user interface.
- Alarm stamping has been removed for virtual alarms.

## 4. New Features with FW 4.21.0006

- IVA allows crowd level detection in a field.
- New IVA software framework for more reliable detection. This allows reduction of false alarms caused by shadows or windy elements, more stable object ID, pre-estimation of trajectory of an object, and improvement of the detection of small and slow objects.
- New IVA versions can be tested during a 30-day trial period, beginning with upgrading to a firmware including a new IVA version. This requires a special activation key which is available on request.
- Extended multi-connectivity by increasing RCP+ connections to 100 minimum.
- Temperature values (current and maximum) included in system overview.
- SNMP trap is sent when reaching internal temperature limit.



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## 5. Restrictions; Known Issues

- Mixture between video standards, e.g. PAL encoder connected to NTSC decoder, is not supported.
- In QCIF resolution, stamping is not available.
- After firmware upload while daylight saving time checkbox is activated the time zone must be adjusted.
- When filling an empty DST table and then update time zone too quickly, it may happen that time is shifted by 1 hour.
- After reboot, the system time re-synchronisation may be delayed up to 9 seconds for SNTP respectively up to 14 seconds for time server protocol.
- Ethernet daisy-chaining of VIP-X1600-XFB is limited to 3 units.
- LUN size for local recording via "Direct iSCSI" is limited to 2 TB.
- VRM versions earlier than 2.0 will not be able to replay recordings from blocks that are recorded with FW 4.x
- When switching the encoding type while recording is active only the footage of the latest set encoding type can be replayed from this recording track.
- VIP X1600 XFM4 H.264 encoder modules only support grey colour for Privacy Masking areas.
- LACP, though mentioned in the documentation, is not supported by VIP X1600.
- For correct communication between the modules and the built-in switch in a VIP X1600, it must be ensured that the IP address 1.1.1.1 is not used elsewhere in the network.
- Due to limited computational power of the built-in switch in VIP X1600, IGMP Querying should only be activated in small network segments with no more than 3 VIP X1600 base systems respectively no more than 12 devices or modules.  
IGMP Querying in VIP X1600 must be deactivated if a network switch can take over this task.

### Note:

- Encoding bit rate for Baseline Profile plus (BP+) is limited to maximum 2.5 Mbps, regardless of any other setting in the encoder profile.  
This is also valid for all earlier FW 4.x releases though not having been stated yet.



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## 6. System Requirements

- Microsoft Internet Explorer 6.0 or higher
- SUN Java Virtual Machine 1.6.0\_18
- DirectX 9.0c
- MPEG-ActiveX 4.42.03.09 or newer
- Configuration Manager 3.21.0002 or newer