



From		Telephone	Nuremberg
STVC/PRM	Product Management	+49 911 93456 43	13.10.2011

Release Letter

Product:	<i>VIP X1 XF E</i>
Version:	<i>H.264 Firmware 4.54.0024</i>

This letter contains latest information about the above mentioned product.

1. General

This initial release covers the new single channel H.264 encoder VIP X1 XF E.
The H.264 firmware version 4.54.0024 or newer is required.

The VIP X1 XF E is a standalone single channel high-performance video encoder.

The VIP X1 XF E provides two independent H.264 Main Profile streams. In addition to the two H.264 streams the VIP X1 XF E supports one JPEG stream. It also allows controlling of cameras via RS-232/422/485 and always provides bi-directional audio on board.

The graphical user interface in combination with the firmware 4.54.0024 supports 10 languages (English, Spanish, French, Italian, Dutch, Polish, Portuguese, Russian, Simplified Chinese and Japanese) including English online help plus German with German online help. Other online help languages will be added with later firmware versions.



From STVC/PRM	Product Management	Telephone +49 911 93456 43	Nuremberg 13.10.2011
------------------	--------------------	-------------------------------	-------------------------

2. Features

- H.264 Main Profile next generation encoder
 - H.264 Baseline Profile plus (BP+) providing IPP structure for approximately 200 ms latency
 - H.264 Main Profile (MP) providing IP structure with hierarchically coded stream with a maximum delay of 240 ms
- 2 independent H.264 streams with 4CIF resolution and full frame rate per video input, e.g.:
 - first stream for Divar XF support in H.264 Baseline Profile plus
 - second stream for storage with H.264 Main Profile, recorded on iSCSI
- In addition, JPEG streaming with up to 8 ips at CIF and 3 ips at 4CIF
- SD card slot for local recording. Tested cards:
 - SanDisk Ultra II (8, 16 and 32 GB) class 4
 - SanDisk Extreme III (8,16 and 32 GB) class 6 and 10

Unit

- Password 3 level access (live view, operation and administration)
- MD5 encryption for the password transmission to the browser
- Unit ID setting
- Unit name up to 31 characters
- Date and time setting, including daylight saving time table
- Date and time synchronization with PC
- Time server protocol and SNTP support

Video

- One analogue BNC video input channels PAL/NTSC
- Encoding of 2 independent H.264 streams with 2x 4CIF at 25/30 ips.
- Encoding of 1 additional JPEG stream at the highest selected resolution of one of H.264 streams.

Audio

- Bidirectional mono audio, line level, via stereo audio jack
- Audio level meter



From STVC/PRM	Product Management	Telephone +49 911 93456 43	Nuremberg 13.10.2011
------------------	--------------------	-------------------------------	-------------------------

Alarm

- One alarm input plus 4 virtual alarms
- Hard-wired alarm input active low or active high
- Alarm input name up to 31 characters
- Connection on alarm to a configurable IP address
- Auto-connect to pre-defined IP addresses (force permanent connection)
- Alarm connections with up to 10 different alarm IP addresses
- Alarm Task Editor for modification and enhancement of alarm scripts

Relay

- One relay contact
- Relay output setting idle state closed or open
- Relay operation mode bi-stable or mono-stable with 0.5 sec, 1 sec, 2 sec, 5 sec, 10 sec and 60 sec of activation time
- Relay follows function for connection, video alarm, motion alarm, alarm input pin or remote input

Interface

- Serial port support for RS232/RS422/RS485 functionality. The port can be used in terminal or transparent mode.
- Minimized delay for transparent data

Service

- Setting of IP address and subnet mask
- Setting of Gateway IP address
- Multicast protocol IGMP is supported for both V2 and V3
- Video stream can be configured for connection via TCP or UDP
- Device's HTML page access can be set to TCP ports 80 and 10000 to 10100 to allow the support of NAT
- Secure access using HTTPS for Web browser or control connections
- AES encryption with 128 bit keys as licensable option
- Firmware upload via browser
- Save configuration data from the unit to PC hard disc
- Upload configuration data to the unit
- SNMP MIB II and traps have full functionality with community string
- Telnet support

From STVC/PRM	Product Management	Telephone +49 911 93456 43	Nuremberg 13.10.2011
------------------	--------------------	-------------------------------	-------------------------

3. Firmware Features

- All details on firmware features are available in the release letter of firmware 4.54.0024

4. Restrictions; Known Issues

- All restrictions and known issues are listed in the release letter of firmware 4.54.0024

5. System Requirements

- All system requirements are listed in the release letter of firmware 4.54.0024