

TVN-1116S-4T

TruVision NVR 11, 16 channels, 16 channel PoE, 160 Mbps, 4 TB

Overview

TruVision NVR 1116S (TVN 1116S) is a cost effective network video recorder for sixteen IP video cameras. The recorder has sixteen built-in PoE ports for ease of installation. With a total of 160 Mbps of incoming bandwidth available, it can support up to sixteen cameras at Full HD resolution (1080P) in real time (25 fps).

Ease of use & flexibility

TVN 11S is designed to be flexible – not only in its deployment and product selection, but also in its day-to-day operations.

Setting up TVN 11S is easy. Its embedded PoE ports allow you to connect IP cameras as they were analog cameras. When plugged in, cameras are automatically assigned IP addresses, are added to the recorder and set up to default configuration. Each IP camera can also be set up individually to ensure full flexibility.

The power for each plug & play port can be configured via the recorder's user interface.

The unit can be fully controlled locally using the front panel buttons and mouse, displaying high resolution Full HD video on its local VGA monitor or even at 4K resolution on the HDMI video output.

Alternatively, TVN 11S can be operated remotely using its full featured web browser interface or using the TruVision Navigator and TVRMobile software applications.

H.265

TVN 11S supports both H.264 and H.265 compression techniques. H.265 compression is the next evolution in video encoding. Compared to H.264, using H.265 will reduce the file size for the same video content and reduce transmission bandwidth. This means that less storage capacity is needed by H.265 than H.264 encoding for the same video duration. H.265 encoding in the TVN 11S requires that H.265 TruVision IP cameras are used.

Basic intrusion integration

TVN 11S can receive SIA or XSIA alarm messages from up to three Interlogix IP intrusion panels. Alarm messages, disarming and arming messages can be sent from the alarm panel to the recorder, which then can execute actions (ex. trigger alarm recording, send an email, send a PTZ to a preset, ...). Also the heartbeat message between panel and recorder is monitored. This solution offers straightforward alarm verification and is free of charge.



Details

- Linux embedded Plug and Play configuration
- Supports H.264 and H.265
- Sixteen Plug & Play PoE ports (PoE-af & PoE-at support)
- Flexible PoE budgetting
- Automatic setup of IP address, resolution & other settings through Plug&Play ports
- Up to 160 Mbps camera recording bandwidth for maximum sixteen IP cameras
- 4 TB embedded storage
- Icon based front panel
- Real time Full HD recording
- Up to 4K resolution support
- Motion detection, VCA, privacy masking and tamper detection
- TruVision IP camera auto-detection
- Third party camera support via ONVIF Profile S or RTSP (custom protocols)
- IP camera configuration import/export
- Integration of UTC IP intrusion panels via SIA/XSIA reporting
- TVK-800 IP keypad support (no support for local display of H.265 cameras)
- USB DVD burner support
- Full browser-, OSD- and software-based access for live, recorded video & configuration
- TVRMobile app for iOS and Android
- TruVision Navigator license-free client/host or standalone application
- External integration through SDK

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Technical specifications

Video/audio input

| | |
|---------------------------------------|------------------------------|
| IP camera channels | 16 |
| Camera bandwidth | 160 |
| Max. IP audio in | 16 |
| Max. analog audio in | 1 |
| Supported video compression standards | H.264, H.265 |
| Supported video streaming standards | Onvif, RTSP Custom Protocols |

Local viewing

| | |
|-------------------------------------|--------------------------|
| HDMI output | 1 |
| HDMI version | 1.4, 2.0 |
| VGA output | 1 |
| Max. local output resolution | 4K |
| Synchronous playback OSD (channels) | Up to 4 channels (1080P) |
| Reverse playback OSD (channels) | Up to 1 channel |

Remote viewing

| | |
|---|--|
| Total available viewing bandwidth | 80 |
| Max. live viewing streams | 128 streams |
| Max. playback viewing streams | 8 streams |
| Max. simultaneous playback web browser | TCP: Up to 32 ch; UDP: Up to 8 ch |
| Reverse playback web browser (channels) | TCP: Up to 32 ch; UDP: Up to 8 ch |
| Software compatibility | Advisor Manager, OnGuard, TruVision Navigator, TVRmobile |
| Browser compatibility | Internet Explorer |

Storage

| | |
|------------------------------|---|
| Storage capacity | 4 TB |
| Maximum recording resolution | 4 K |
| Recording modes | Alarm, Event, Manual, Time-lapse high, Time-lapse low |
| Edge failover recording | No |

Networking

| | |
|-------------------------------|---|
| Network interface cards (NIC) | 1 |
| NIC type | RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface |
| PoE ports | 16 |
| Total PoE budget | 200 |
| PoE standards supported | PoE-af, PoE-at |
| Plug & Play PoE support | Yes |
| Flexible PoE allocation | Yes |
| DNS support | DDNS, ezDDNS, No-IP |
| HTTPS support | Yes |

External interfaces

| | |
|---------------------------|---|
| USB interface back | 1 |
| USB interface front | 1 |
| Alarm inputs | 4 |
| Alarm outputs | 1 |
| Max. analog audio outputs | 1 |

General

| | |
|--------------------|----------------|
| Operating system | Embedded Linux |
| Rack mountable | Yes |
| Rack stacking size | 1 U |

Electrical

| | |
|-----------------------------------|----------------|
| Operating voltage | 100 to 240 VAC |
| Power consumption without HDD (W) | ≤ 280 W |

Physical

| | |
|---------------------|-------------------|
| Physical dimensions | 380 x 320 x 48 mm |
| Net weight | 2.5 kg |
| Colour | Black |

Environmental

| | |
|-----------------------|-------------------------|
| Operating temperature | -10 to +55 °C |
| Relative humidity | 10 to 90% noncondensing |

Standards & regulation

| | |
|------------|---------------------|
| Compliance | CE, REACH, RoHS, UL |
|------------|---------------------|

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