TVN-1116S-2T

TruVision NVR 11, 16 channels, 16 channel PoE, 160 Mbps, 2 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
- 2 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 Aritech 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

General

Technology	IP
Operating system	Embedded Linux
Rack mountable	Yes
Rack stacking size	1 U

Video / audio input

IP camera channels	16
Camera bandwidth	160 Mbps
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	Full HD 1080p
Synchronous playback OSD (channels)	Up to 4 channels (1080P)
Reverse playback OSD (channels)	Up to 1 channel

Remote viewing

Total available viewing bandwidth	80 Mbps
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 Management Software (ATS8600), OnGuard, TruVision Navigator, TVRmobile
Browser compatibility	Google Chrome, Internet Explorer, Mozilla Firefox, Safari

Storage

Storage capacity	2 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

Electrical

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

Physical

Physical dimensions	380 x 320 x 48 mm (W x D x H)
Net weight	2.5 kg
Colour	Black

Environmental

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

Regulatory

Compliancy	CE, REACH, RoHS, UL

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