TVN-2316P-16T

TruVision™ NVR 23 recorder, 16 IP channels, 2U, 16 TB (4x 4TB)

Product overview

The TruVision TVN23(S/P) is a versatile and robust network video recorder.
The recorder series is available in different channel variations, with different hard drive capacities and with or without built-in PoE ports.

The TVN2316P recorder can connect up to 16 IP cameras. The recording is using efficient H.264/H.265 encoding or smart variants (for supported cameras) to optimize the storage of important footage for all connected cameras.
In combination with our TruVision IP cameras, the TVN 23 (S/P) recorders support different events (motion detection, cross line detection, intrusion detection) with person/vehicle classification for more efficient detection and easy retrieval of recorded video and snapshots.
The UltraSync support allows the TVN23(S/P) recorders to be accessed remotely via the TVRMobile app, offering access to all UltraSync features and upcoming add-ons.
Thanks to its built-in UltraSync connectivity, can the TVN23(S/P) easily connect to the internet without the need for port forwarding or VPN. Remotely viewing video on mobile applications has never been easier.

The TVN23 can be used with Advantech ADAM 6060 I/O IP module (6 in/6 out) to expand the alarm capabilities of the recorder. Maximum 8 modules can be added to a recorder. This is supported as of firmware version 1.02.002.

Applications

The TVN23(S/P) recorder is suitable for small and medium sized commercial and industrial applications (such as retail stores, warehouses, offices,..) where it can be managed by the TruVision Navigator video management software.



Details

- Linux embedded network video recorder
- Up to 256 Mbps camera recording bandwidth
- Up to 16 IP channels
- Up to 80 TB embedded storage (8x 10TB)
- Flip-open, lockable front panel for easy HDD access. For servicing and expansion.
- UltraSync support for remote access without port forwarding
- TruVision IP camera auto-discovery
- Third party camera support via ONVIF (Profile S)
- IP camera configuration import/export
- Custom protocol configuration (RTSP streaming)
- Motion detection, VCA, privacy masking, tamper detection
- People/vehicle classification for events (only with supported TruVision cameras)
- Integration of Aritech IP intrusion panels via SIA/XSIA reporting
- Alarm extension via Advantech ADAM-6060 I/O IP module (6 in/6 out)
- POS text insertion support
- Recorder failover functionality
- Hard drive redundancy if more than one hard drive is used
- TVK-600 & TVK-610 IP keypad support
- Full browser-, OSD- and software-based access for live, recorded & configuration
- Support via TVRMobile app for iOS and Android
- Supported by TruVision Navigator license-free client/host or standalone application

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Technical specifications

General

Technology	IP
Operating system	Linux
Rack mountable	Yes
Rack stacking size	2 U

Video / audio input

Camera channels	16
IP camera channels	16
Max. bandwidth per channel	16 Mbps
Camera bandwidth	256 Mbps
Audio compression	AAC, G.711alaw, G.711ulaw, G.722, G.726, MP2L2
Max. IP audio in	16
Max. analoge audio-in	1
Supported video compression standards	H.264, H.264+, H.265, H.265+
Supported video streaming standards	Onvif, RTSP Custom Protocols

Local viewing

HDMI output	2
HDMI version	2.0
VGA output	2
BNC output	1
Max. local output resolution	8K
Synchronous playback OSD (channels)	Up to 16 channels

Remote viewing

Total available viewing bandwidth	256 Mbps
Max. live viewing streams	128
Max. playback viewing streams	128
Max. simultaneous playback web browser	Max. 16 tiles (4x4)
Transcoding	Yes
UltraSync support	Yes, embedded
Software compatibility	Advisor Management Software (ATS8600), TruVision Navigator, TVRmobile, Web Browser
Browser compatibility	Google Chrome, Microsoft Edge, Mozilla Firefox, Safari

Storage

Storage capacity	16 TB
SATA interfaces	8
Max. capacity per SATA HDD (TB)	10
Maximum recording resolution	12 MP, 16 MP, 24 MP, 32 MP
Recording modes	Alarm, Continuous, Event, Manual
Dual stream recording (channels)	16
External storage	eSATA, NAS, SAN
Supported RAID levels	RAID 0, RAID 1, RAID 10, RAID 5, RAID 6
Hard drive redundancy	Yes
Hard drive grouping	Yes
Flip-open frontpanel	Yes
Auto archiving	Yes
Hot spare recorder	Yes
Edge failover recording	Yes

Networking

Network interface cards (NIC)	2
NIC type	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Network ports per NIC	1
DNS support	DDNS, ezDDNS, No-IP
HTTPS support	Yes

External interfaces

USB interface back	1
USB interface front	2
Serial interface	RS-232, RS-485
Alarm inputs	16
Alarm outputs	9
Max. analog audio outputs	1

Electrical

Power supply type	100 to 240 VAC
Power consumption without HDD (W)	50 W (without HDD)

Physical

Physical dimensions	442 x 469 x 88 mm (W x D x H)
Net weight	≤ 10 kg (without HDD)
Colour	Black

Environmental

Operating temperature	-10 to +55°C 14 to 131ºF
Relative humidity	10 to 90%

Regulatory

Compliancy	CE, REACH, RoHS, UL

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Note about RAID

Min. disk size for RAID	4 TB per disk.

Alarm extension (to be purchased from Advantech or his distributors)

Advantech ADAM-6060 I/O IP module	6 inputs - 6 outputs

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

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