TVN-1216S-4T

TruVision NVR 12, 16 channels, 16 channel PoE, 160 Mbps, 4 TB

Reasons to choose TVN 12

The TVN 12S recorder series offers a full-featured, compact recording solution for IP cameras with a maximum resolution of 8 MP(4K).
The TVN-1216S is a cost-effective, easy-to-use recorder capable of recording up to sixteen IP cameras, connected to the built-in PoE ports or via the LAN network.

Easy to use

A setup wizard with auto detection of IP cameras guarantees a fast installation of the recorder.
The TVN 12S can be added to the internet without port forwarding or VPN, thanks to the built-in UltraSync connectivity. Showing remote video on mobile applications was never easier.
In combination with dedicated TruVision cameras that can support people and/or vehicle detection, the TVN 12 recorder series can find relevant events faster and without efforts.

Applications

The TVN 12S is the ideal recording solution for small commercial and residential applications, where ease of use and fast deployment time are important.

Details

- Supports H.264, H.265 and H.265+ encoding, depending on the cameras
- Sixteen Plug & Play PoE Ports (PoE-af & PoE-at support) with a maximum resolution of 4K (8 MP)
- Automatic setup of IP address through Plug&Play PoE ports
- Up to 160 Mbps camera recording bandwidth for maximum sixteen IP cameras
- 4 TB embedded storage
- Real time recording (up to 4 MP)
- Dual stream recording, configurable per camera
- HDMI/VGA monitor output
- TruVision IP camera auto-detection
- IP camera configuration import/export
- UltraSync support for remote access without port forwarding
- Motion detection and VCA support, depending on the cameras
- Dedicated people/vehicle detection in combination with supported cameras
- Third party camera support via ONVIF Profile S or RTSP (custom protocols)
- Integration of Aritech IP intrusion panels via SIA/XSIA reporting
- TVK-600 IP keypad
- USB DVD burner support
- Full browser-, OSD- and software-based access for live, recorded video & configuration
- TVRMobile app for iOS and Android for remote viewing
- TruVision Navigator client/host or standalone application support
- 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

Camera channels	16
IP camera channels	16
Camera bandwidth	160 Mbps
Audio compression	G.711alaw, G.711ulaw, G.722, G.726
Max. IP audio in	16
Max. analog audio In	1
Supported video compression standards	H.264, H.265, 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 16 channels (1080P)

Remote viewing

Total available viewing bandwidth	80 Mbps
Max. live viewing streams	128 streams
Max. playback viewing streams	32 streams
Max. simultaneous playback web browser	Up to 32 streams
Reverse playback web browser (channels)	Up to 32 streams
UltraSync support	Yes, embedded
Software compatibility	Advisor Management Software (ATS8600), TruVision Navigator, TVRmobile
Browser compatibility	Google Chrome, Internet Explorer, Mozilla Firefox, Safari

Storage

Storage capacity	4 TB
SATA interfaces	2
Max. capacity per SATA HDD (TB)	8
Maximum recording resolution	4 K
Recording modes	Continuous, Event, Manual
Dual stream recording (channels)	16 channels
External storage	NAS
Hard drive grouping	Yes
Edge failover recording	Yes

Networking

Network interface cards (NIC)	1
NIC type	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE ports	16
Total PoE budget	150 W
PoE standards supported	PoE-af, PoE-at
Max. PoE budget per port	≤30 W
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

Power supply type	100 to 240 VAC
Power consumption without HDD (W)	≤280 W

Physical

Physical dimensions	385 x 315 x 52 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, FCC, RCM, REACH, RoHS, UKCA, UL, WEEE

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