

NVR 12

4/8/16 Channel H.265/H.264
PoE Network Video Recorder



OVERVIEW

Why the 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-12 is a cost-effective, easy-to-use recorder capable of recording up to 16 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 12 series 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 12cS is the ideal recording solution for small commercial and residential applications, where ease of use and fast deployment time are important.

STANDARD FEATURES

Camera Support

- Up to 4/8/16 Full HD cameras in real-time (30fps)
- Supports 3rd-party cameras via ONVIF Profile S
- TruVision VGA through 4K (8MPx) (indoor and outdoor)
- TruVision 4, 8 and 16-channel encoders
- PTZ and dome camera control via mouse, front panel and IR remote control

Recording Capabilities

- Linux embedded Plug and Play configuration
- Supports H.264, H.265 and H.265+ encoding, depending on the cameras
- 4 /8/16 Plug & Play PoE Ports (PoE-af & PoE-at support) with a maximum resolution of 4K (8 MP)
- Up to 40 /80/160 Mbps camera recording bandwidth for 4/8/16 recorder models
- Watermarking for legal video authentication
- Real time recording (Up to 4 MP)
- HDMI/VGA monitor output
- TruVision IP camera auto-detection
- IP camera configuration import/export
- Digital zoom on live and recorded video
- 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)
- Full browser- OSD- and software-based access for live, recorded video & configuration
- TVRMobile app for iOS and Android for remote viewing
- Sub-stream for low bandwidth live viewing
- TruVision Navigator client/host or standalone application support

Hardware

- Rack mountable – 1U (CS model is not rack mountable)
- Local USB archiving
- VGA and HDMI output for high-quality local viewing

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Specifications

Model	TVN-1204CS		TVN-1208S		TVN-1216S	
General	Operating system	Embedded Linux				
	Rack mountable	No	Yes			
	Rack stacking size	N/A	1 U			
Video/audio Input	Camera channels	4	8	16		
	IP Camera channels	4	8	16		
	Camera bandwidth	40 Mbps	80 Mbps	160 Mbps		
	Audio compression	G.711alaw, G.711ulaw, G.722, G.726				
	Max. IP audio in	4	8	16		
	Max. analogue audio In	1	1	1		
	Supported video compression standards	H.264, H.265, H.265+				
	Supported video streaming standards	Onvif, RTSP Custom Protocols	Onvif, RTSP	Onvif, RTSP Custom Protocols		
Local viewing	HDMI output	1				
	HDMI version	1.4, 2.0				
	VGA outputs	1				
	Max. local output resolution	4 K				
	Synchronous playback OSD (channels)	Up to 4 channels (1080P)	Up to 8 channels (1080P)	Up to 16 channels (1080P)		
Remote viewing	Total available viewing bandwidth	80 Mbps				
	Max. live viewing streams	128 Streams				
	Max. playback viewing streams	8 streams	16 streams	32 streams		
	Max. simultaneous playback web browser	Up to 8 channels	Up to 16 channels	Up to 32 streams		
	Reverse playback web browser (channels)	Up to 8 channels	Up to 16 channels	Up to 32 streams		
	UltraSync support	Yes, embedded				
	Software compatibility	TruVision Navigator, TVRmobile				
	Browser compatibility	Google Chrome, Internet Explorer, Mozilla Firefox, Safari				
Storage	Storage capacity	2TB	2TB/4TB	4TB/6TB		
	SATA interfaces	1	2			
	Max. capacity per SATA HDD (TB)	8	8			
	Maximum recording resolution	4 K				
	Recording modes	Continuous, Event, Manual				
	Dual stream recording (channels)	N/A	8 channels	16 channels		
	External storage	NAS				
	Hard drive grouping	No	Yes			
	Edge failover recording	Yes				

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Networking	Network interface cards (NIC)	1		
	NIC type	RJ-45 10/100 Mbps self-adaptive Ethernet interface		
	PoE ports	4	8	16
	Total PoE budget	50 W	80 W	150 W
	PoE standards supported	PoE-af, PoE-at		
	Max. PoE budger 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	Operating voltage	48 VDC	100 to 240 VAC	
	Power supply type	48 VDC	100 to 240 VAC	
	Power consumption without HDD (W)	≤ 65 W	≤ 180 W	≤ 280 W
Physical	Physical dimensions	320 x 240 x 48 mm (W x D x H)	385 x 315 x 52 mm (W x D x H)	
	Net weight	1.2 kg	1.8 kg	2.5 kg
	Colour	Black		
Environmental	Operating temperature	-10 to +55 °C		
	Realtive humidity	10 to 90% noncondensing		
Standards & regulation	Regulatory Compliancy	CE, FCC, RCM, REACH, RoHS, UKCA, UL, WEEE		

Ordering Information

TVN-1204cS-2T	TruVision NVR 12 Compact, 4 Channels, H.265+/H.265/H.264, PoE, 2TB Storage
TVN-1208S-2T	TruVision NVR 12, 8 Channels, H.265+/H.265/H.264, PoE, 2TB Storage
TVN-1208S-4T	TruVision NVR 12, 8 Channels, H.265+/H.265/H.264, PoE, 4TB Storage
TVN-1216S-4T	TruVision NVR 12, 16 Channels, H.265+/H.265/H.264, PoE, 4TB Storage

