



TVN-23

TruVision™ NVR 23 recorder



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 TVN23 recorder can connect up to 32 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.

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.

STANDARD FEATURES

- Linux embedded network video recorder
- Up to 8ch-128/16ch-256/32ch-320Mbps camera recording bandwidth
- Up to 32 IP channels & up to 16 embedded PoE camera ports
- PoE-af & PoE-at support
- Up to 40TB embedded storage (4x 10 TB) for 8 and 16 channel recorder and 32 channel up to 80 TB storage (8 x 10 TB)
- 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
- Recorder failover functionality
- Hard drive redundancy if more than one hard drive is used
- 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

Technical Specifications

TruVision™ NVR 23 recorder

		TVN-2308s	TVN-2316s	TVN-2332p
				
General	Technology	IP		
	Operation system	Linux		
	Rack mountable	Yes		
	Rack stacking size	1.5 U		2U
Audio input	Camera channels	8	16	32
	IP camera channels	8	16	32
	Max. bandwidth per channel	16 Mbps		
	Camera bandwidth	128 Mbps	256 Mbps	320 Mbps
	Audio compression	AAC, G.711alaw, G.711ulaw, G.722, G.726, MP2L2		
	Max. IP audio in	8	16	32
	Max. analogue audio In	1		
	Supported video compression standards	H.264, H.264+, H.265, H.265+		
	Supported video streaming standards	Onvif, RTSP Custom Protocols		
	HDMI output	2		
	HDMI version	2.0		
	Local viewing	VGA output	1	2
BNC output		1		
Max. local output resolution		8 K		
Synchronous playback OSD (channels)		Up to 8 channels	Up to 16 channels	
Total available viewing bandwidth		256 Mbps		400 Mbps
Max. live viewing streams		128		
Remote viewing	Max. playback viewing streams	128		
	Max. simultaneous playback web browser	Max. 16 tiles (4x4)		
	Transcoding	Yes		
	UltraSync support	Yes, embedded		
	Software compatibility	TruVision Navigator, TVRmobile, Web Browser		
	Browser compatibility	Google Chrome, Microsoft Edge, Mozilla Firefox, Safari		
	SATA interfaces	4		8
	Max. capacity per SATA HDD (TB)	10		
Storage	Maximum recording resolution	12 MP, 16 MP, 24 MP, 32 MP		
	Recording modes	Alarm, Continuous, Event, Manual		

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Storage	Dual stream recording (channels)	8	16	32
	External storage	eSATA, NAS, SAN		
	Hard drive redundancy	Yes		
	Hard drive grouping	Yes		
	Flip-open front panel	Yes		
	Auto archiving	Yes		
	Hot spare recorder	Yes		
	Edge failover recording	Yes		
Networking	Network interface cards (NIC)	1		2
	NIC type	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface		
	Network ports per NIC	1		
	PoE ports	8	16	-
	Total PoE budget	150 W	200 W	-
	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	2		
	Serial interface	RS-232, RS-485		
	Alarm inputs	16		
	Alarm outputs	9		
	Max. analogue audio outputs	1		
Electrical	Power supply type	100 to 240 VAC		
	Power consumption without HDD (W)	15 W (without enabling PoE and without HDD)		50 W (without enabling PoE and without HDD)
Physical	Physical dimensions	442 x 469 x 70 mm (W x D x H)		442 x 469 x 88 mm (W x D x H)
	Net weight	≤ 5 kg (without HDD)		≤ 10 kg (without HDD)
	Colour	Black		
Environmental	Operating temperature	-10 to +55°C		
	Relative humidity	10 to 90%		
Regulatory	Compliance	RCM		

Technical Specifications

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Ordering Information

TVN2308S-000	TruVision NVR23 recorder, 8 IP channels, with PoE Ports, no Hard drive
TVN-2326S-000	TruVision NVR23 recorder, 16 IP channels, with PoE Ports, no Hard drive
TVN-2332P-000	TruVision NVR23 recorder, 32 IP channels, no Hard drive

Accessories

TVN-HDD-4TB TruVision NVR HDD Expansion Kit, 4 TB Storage
TVN-HDD-6TB TruVision NVR HDD Expansion Kit, 6 TB Storage
TVN-HDD-10TB TruVision NVR HDD Expansion Kit, 10 TB Storage