truVision

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 10TB) for 8 and 16 channel recorder and 32 channel up to 80TB storage (8 x 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
- 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. analog 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	1		2
	BNC output		1	
	Max. local output resolution		8 K	
	Synchronous playback OSD (channels)	Up to 8 channels	Up to 16 channels	
Remote viewing	Total available viewing bandwidth	256 Mbps		400 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		TruVision Navigator, TVRmobile, Web Browser	
	Browser compatibility		Google Chrome, Microsoft Edge, Mozilla Firefox, Safari	
Storage	SATA interfaces	4		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	

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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. analog 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	Compliancy	RCM		

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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, 4TB Storage

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

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