Product Data Sheet



TVN21S

TruVision™ NVR 21S, 8/16 channel Plug&Play Full HD Network Video

Overview

TruVision NVR 21S (TVN 21S) is a robust high performance embedded network video recorder with 8 or 16 embedded plug-&-play PoE ports.

Having a total bandwidth of 80/160 Mbps available, the TVN 21 is able to connect up to 8/16 IP cameras and provide real-time recording (25/30 fps) at Full HD 1080p resolution on all channels simultaneously. Furthermore, with its fully flexible bandwidth allocation, the TVN 21 allows recording resolutions up to 6 MPX at various frame rates.



Setting up TVN 21S is easy. Its embedded PoE ports allow you to connect TruVision IP cameras as they were analog cameras. When plugged in, cameras are automatically assigned IP addresses, added to the recorder and set up at default configuration. Each IP camera can also be set up individually to ensure full flexibility.

Each plug & play port can be configured to provide no power, PoE-af or PoE-at to its connected IP camera. Additionally, the fully flexible PoE allocation feature ensures an optimally efficient use of the PoE power available.

Exceptional recording performance

To accommodate for TVN 21S's 8/16 incoming IP streams, up to 24 TB of on board storage is available, using four 6 TB hard drives.

These hard drives are front side accessible, allowing customers to easily expand storage as their system and/or requirements grow. Additionally, TVN 21S supports extended external storage and backup via eSATA devices.

Furthermore, TVN 21S allows you to select from multiple recording modes; time lapse, event, alarm and manual. These can be used in various combinations, making sure data is stored in an efficient way as well as in a safe location.

Local or remote operation

TVN 21S allows users full flexibility in the way they want to configure, manage and monitor their video surveillance solution. In addition to management of the unit through its browser interface or TruVision Navigator, the TVN 21S allows users to also operate the recorder locally using its front panel controls, local VGA or HDMI outputs and its intuitive on screen display.





























Standard Features

- Linux embedded Plug and Play configuratin
- Up to 80/160 Mbps camera recording bandwidth
- Up to 8/16 channels to be connected
- Up to 8/16 embedded PoE camera ports
- PoE-af & PoE-at support
- Real-time Full HD recording
- Motion detection, VCA, privacy masking, tamper detection
- TruVision IP camera auto-discovery
- RAID 0/1/5/10
- Up to 24TB embedded storage (4 x 6TB)
- Flip-open front panel for easy HDD access, servicing & expansion
- IP camera configuration import/export
- · Transcoding
- · Custom protocol configuration (RTSP streaming)
- Native TruVision IP camera support
- Broad third party camera support through Onvif & PSIA support
- Recorder failover functionality (one failover unit per 4 operational recorders)
- TVK-800 IP Keypad support
- · Text insertion support
- USB DVD burner support
- Full browser-, OSD- and software-based access for live, recorded & configuration
- TVRmobile app for iOS. Android & Windows Mobile
- TruVision Navigator license-free client/.host or standalone application
- Integration in Advisor management, OnGuard, TruPortal & MasterMind
- External integration through SDK

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Specifications

Video/Audio input	
IP camera input:	Up to 8/16 channels
Total bandwidth available:	80/160 Mbps
Maximum bandwidth per channel:	16 Mbps
Average bandwidth per channel:	10 Mbps
Video compression standards supported:	H.264, MPEG-4
Bi-directional audio:	1-ch, RCA (2.0 Vp-p, 1k Ohm)
RTSP streaming support:	Yes
Onvif support:	Yes
Viewing	
OSD viewing resolutions:	Full HD 1080p, SXGA, HD 720p, UXGA, XGA
Remote viewing resolutions:	Up to 6 MPX - depending on remote client capabilities
HDMI & VGA output resolutions:	Full HD 1080p, SXGA, HD 720p, UXGA, XGA
HDMI version:	1.4
BNC output:	Yes - alarm event only, no menu controls
Digital zoom:	Up to x16
Playback resolution:	Lin to 6 MPY
Playback resolution: Synchronous playback	Up to 6 MPX
OSD:	Up to 8/16 channels
Simultaneous playback browser:	Up to 9 tiles
Reverse playback OSD:	Up to 1ch
Reverse playback browser: Playback transcoding:	Up to 9 channels, depending on PC performance Yes, using web browser
Recording	res, using web browser
	6MPX / 5MPX / 3MPX / Full HD 1080p, UXGA /
Recording resolution: Internal SATA slots:	HD 720p / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
Maximum capacity per	<u>'</u>
SATA drive:	2/4/6 TB Time lapse High, Time lapse Low, Event, Alarm,
Recording modes:	Manual
External storage:	eSATA, NAS, SAN
RAID:	0/1/5/10
RAID: Networking Network interface:	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
RAID: Networking Network interface: ezDDNS:	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface Yes
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Power consumption with PoE cameras (without hard disk):	Up to 180/260W
Operating temperature:	-10 °C ~ +55 °C (14 °F ~ 131 °F)
Operating humidity:	10% ~ 90%
Chassis:	1.5U rack mountable or desk-based chassis
Dimensions (W x D x H):	362 × 332 × 79 mm
Weight (without hard disk):	less than 8 kg
Operations	
Local:	On screen display - VGA, HDMI or BNC (spot)
Remote:	Browser interface / TruVision Navigator / TVRmobile
Integrated:	Advisor Manager, OnGuard 7.2, TruPortal, MasterMind
Browser requirements:	IE 8 9 10 11

Ordering Information

Part No.	Description
TVN-2108S-xxT	
TVN-2116S-xxT	



