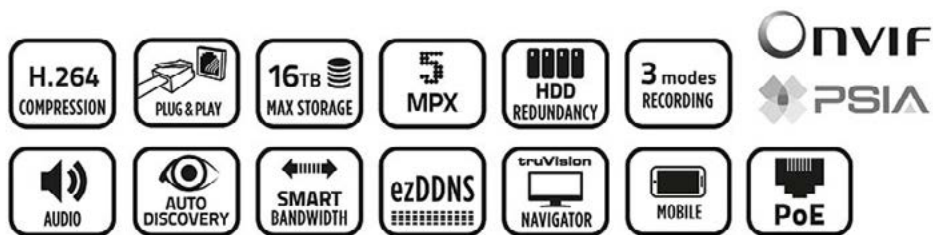


UTVN21S

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



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 40/80 Mbps available, the TVN 21 is able to connect up to 8/16 IP cameras and provide real-time recording (25/30 fps) at HD720p resolution on all channels simultaneously. Furthermore, with its fully flexible bandwidth allocation, the TVN 21 allows recording resolutions up to 5 MPX at various frame rates.

Plug-&-play functionality

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 16 TB of on board storage is available, using four 4 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, HDMI and BNC outputs and its intuitive on screen display.

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KEY FEATURES	
Up to 8/16 IP camera streams	✓
8/16 plug-&-play PoE ports	✓
Fully flexible PoE setting	✓
Up to 16 TB internal storage	✓
HD & Full HD real-time support	✓
Failover functionality for additional data security	✓
Recording of both main- & substream	✓
Auto archiving	✓
Text overlay for POS/ATM	✓
Reverse video playback	✓
ezDDNS	✓
USB archiving	✓
Start-up wizards for quick and easy installation, search and	✓
HDMI, VGA and composite outputs	✓
Front panel controls	✓
Operations through OSD/browser/software	✓
TruVision Navigator support	✓
Mobile app support for iOS, Android & Windows Mobile	✓

Keypad support	✓
Compliant to the decree of August 3, 2007 defining the technical requirements of CCTV systems in France	✓

TECHNICAL DATA	
VIDEO/AUDIO INPUT	
IP video input:	Up to 8/16 channels
Total bandwidth available:	40/80 Mbps in / 80/160 Mbps out
Maximum bandwidth per channel:	16 Mbps
Average bandwidth perchannel:	5 Mbps in
Bi-directional audio:	1-ch, RCA (2.0 Vp-p, 1k Ohm)
RECORDING	
Recording resolution:	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
CVBS output:	1-ch, BNC (1.0 Vp-p, 75) Resolution: 704 x 576 (PAL); 704 x 480 (NTSC)
HDMI output:	1-ch, resolution: 1920 x 1080P / 60Hz, 1920x1080P / 50Hz, 1600 x 1200/ 60Hz, 1280 x1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 /60Hz

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RECORDING - CONTINUED	
VGA output:	1-ch, resolution: 1920 × 1080P / 60Hz, 1920×1080P / 50Hz, 1600 × 1200 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60Hz
Audio output:	2-ch, RCA (Linear, 600 Ohm)
Playback resolution:	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
Synchronous playback:	8/16-CH
SATA:	4 SATA interfaces
eSATA:	1 eSATA interface
Capacity per HDD:	2/4 TB
Maximum onboard storage capacity:	16 TB
Recording modes:	Time lapse, Event, Alarm
Reverse playback browser:	Up to 9 channels, depending on PC performance
Recording resolution:	5MPX / 3MPX / Full HD 1080p, UXGA / HD 720p / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
Internal SATA slots:	4
Maximum capacity supported:	16TB
Capacity per SATA drive:	2/4 TB

Recording modes:	Time lapse High, Time lapse Low, Event, Alarm, Manual
External storage:	eSATA, NAS
Networking	
Network interface:	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
ezDDNS:	Yes
DDNS:	Yes
no-IP.com:	Yes
Total viewing bandwidth available:	80/160 Mbps
Total viewing streams available:	16/32 streams
External interface	
IP camera interface:	8/16 PoE IP camera ports
PoE support:	PoE-af / PoE-at
PoE budget:	120/200 W (at the port)
Plug-&-Play functionality:	Yes, Supported cameras only
Network interface:	1 RJ-45 10 / 100 / 1000 Mbps self-adaptive Ethernet interfaces
Serial interface:	1 RS-232 interface (for parameters configuration, maintenance, transparent channel); 1 RS-485 interface input, 1 RS-485 interface output (reserved)
USB interface:	3 x USB 2.0
Alarm interface:	16 Alarm In, 4 Alarm Out

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General	
Power supply:	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz
Power consumption:	45 W (without hard drives or PoE cameras)
Operating temperature:	-10 °C ~+55 °C (14°~131°)
Operating humidity:	10 % ~ 90 %
Dimensions (W x D x H):	362 x 332 x 79 mm
Weight (without hard disk):	Less than 8 kg
Chassis:	19-inch rack-mounted 1.5U chassis
Operations	
Local:	On screen display & control through front panel / USB mouse / IR remote

Remote:	Built in browser interface
Browser requirements:	Windows Internet Explorer version 6,7,8,and 9; Mozilla Firefox version 3.5 and above, Google Chrome version 8.0 and above
Software:	TruVision Navigator 4.0 SP6 and above
Mobile applications:	TVRmobile 1.2 and above
Supported devices	
Interlogix IP cameras:	TVC-N, TVC-M, TVD-N, TVD-M, UVC-IP, UVDIP, UVP-N, UVP-M
Interlogix Encoders:	TVE-400, TVE-800, TVE-1600
Third party IP cameras:	Consult IP camera compatibility list
Keypads:	KTD-405U, TVK-800

