TVN-2208S-24T
TruVision NVR 22, H.264/265, 8 kanalen IP, 8 kanalen PoE, 24TB

Overview

TruVision NVR 22S (TVN 22S) is a robust high performance H.264/H.265 network video recorder with 8 or 16 embedded plug & play PoE ports.

With a total bandwidth of 80/160 Mbps available, the TVN 22S 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. With its fully flexible bandwidth allocation, the TVN 22S allows recording resolutions up to 8MPX at various frame rates.

Plug-&-play functionality

Setting up TVN 22S 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.

The fully flexible PoE allocation feature ensures an optimally efficient use of the PoE power available.

Ease of use

TVN 22S 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 22S allows users to also operate the recorder locally using its front panel controls, local VGA or HDMI outputs and its intuitive on screen display.
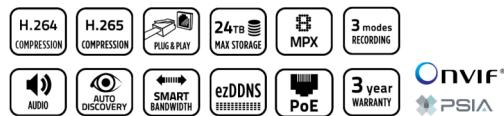
H.265

The TVN 22S is supporting both H.264 and H.265 compression techniques. The H.265 compression is the next evolution of video encoding. Using H.265 will result in a reduced file size for the same video content and a reduced transmission bandwidth compared to H.264. This means that for the same storage capacity more video can be stored when using H.265 than H.264 encoding.To use the H.265 encoding in the TVN 22S, TruVision H.265 cameras need to be used.

Recording performance

The maximum on-board storage capacity for the TVN 22S is 24TB, using four six TB hard drives. The hard drives can be accessed via the lockable front panel door, allowing customers to easily expand storage as their system and/or requirements grow. Recording options include continuous, event and alarm. The three modes can be combined, to ensure that the most efficient recording is possible.

Basic intrusion integration

TVN 22 has an alarmreceiver module embedded inside. The alarm message receiver can connect to up to three Interlogix IP intrusion panels that report in SIA or XSIA format.

Details

- Linux embedded Plug and Play configuration
- Up to 80 Mbps camera recording bandwidth
- Up to 8 IP channels
- Up to 8 embedded PoE camera ports
- PoE-af & PoE-at support
- Up to 24TB embedded storage (4x 6TB)
- Flip-open front panel for easy HDD access, servicing and expansion
- New icon based front panel
- Real time Full HD recording
- Motion detection, VCA, privacy masking, tamper detection
- TruVision IP camera auto-detection
- Third party camera support via ONVIF and PSIA
- IP camera configuration import/export
- Custom protocol configuration (RTSP streaming)
- Integration of Carrier IP intrusion panels via SIA/XSIA reporting
- Recorder failover functionality (one failover unit per 4 operational recorders)
- TVK-800 IP Keypad support (No display of H.265 cameras possible on LCD display)
- USB DVD burner support
- Full browser-, OSD- and software-based access for live, recorded & configuration
- TVRmobile app for iOS and Android
- TruVision Navigator license-free client/host or standalone application
- TVRmobile app for Android and iOS

Alarm messages, disarming and arming messages can be send from the alarm panel to the recorder, which then can take actions (trigger alarm recording, send a PTZ to a preset, run a shadow tour or preset tour, trigger an alarm output or send a notification message to TVRmobile). Also the heartbeat message between panel and recorder is monitored. This solution offers straightforward alarm verification and is free of charge.

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Technische specificaties

Algemeen

Technologie	IP
Rek montage	Ja
Rek stapelformaat	1.5 U
Verwijderbare ventilator	No
Redundante voeding	No

Wejście wideo / audio

Camera channels	8
IP-camerakanalen	8
Max. bandbreedte per kanaal	16 Mbps
Camera bandbreedte	80 Mbps
Max. IP-audio in	8
Supported video compression standards	H.264, H.265, MPEG-4
Ondersteunde videostreaming standaarden	Onvif, PSIA, RTSP, RTSP Custom Protocols

Local viewing

HDMI-uitgang	1
HDMI version	2.0
VGA-uitgang	1
BNC-uitgang	1
Max. local output resolution	4K
Synchroon afspelen OSD (kanalen)	Up to 8 channels
Achteruit afspelen OSD (kanalen)	1

Weergave op afstand

Totale beschikbare bandbreedte voor weergave	256 Mbps
Max. aantal streams bij live weergave	128
Max. aantal streams bij afspelen	128
Max. afspeelresolutie webbrowser	8 MPX
Max. simultaneous playback web browser	Max. 16 tiles (4x4)
Reverse playback web browser (channels)	Up to 9 channels, depending on PC performance
Software compatibility	Advisor Management Software (ATS8600), TruVision Navigator, TVRmobile, Web Browser
Browser compatibiliteit	Google Chrome, Internet Explorer, Mozilla Firefox, Safari

Opslag

Storage capacity	24 TB
SATA-interfaces	4
Max. capacity per SATA HDD (TB)	6
Maximum recording resolution	12 MP
Opnamemodi	Alarm, Event, Manual, Time-lapse high, Time-lapse low
Externe opslag	eSATA, NAS, SAN
Hard drive redundancy	No
Hard drive grouping	No
SAS extension	Nee
Flip-open front panel	No
Automatische archivering	Yes
Hot spare recorder	Yes
Edge-failover opname	Yes

Netwerken

Netwerkinterfacekaarten (NIC)	1
NIC type	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Netwerkpoorten per NIC	1
PoE ports	8
Totaal PoE-budget	200 W
Ondersteunde PoE-standaarden	PoE-af, PoE-at
Plug & Play PoE ondersteuning	Ja
Flexibele PoE-toewijzing	Ja
DNS support	DDNS, ezDDNS, Geen IP
HTTPS-ondersteuning	Yes

Externe interfaces

USB interface back	1
USB interface front	2
Serial interface	RS-232
Alarm inputs	16
Alarm outputs	4
Max. analoge audio-uitgangen	1

Elektrisch

Type voeding	100 tot 240 VAC
Vermogensverbruik zonder HDD (W)	20 W (without enabling PoE)

Fysiek

Physical dimensions	442 x 371 x 74 mm (W x D x H)
Colour	Zwart

TVN-2208S-24T
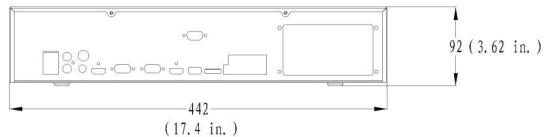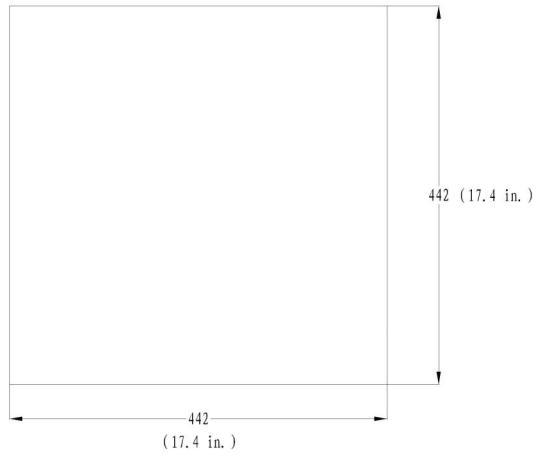**TruVision NVR 22, H.264/265, 8 kanalen IP, 8 kanalen PoE, 24TB**

Omgeving

Bedrijfstemperatuur	-10 to +55°C (14 ºF to 131 ºF)
Relatieve vochtigheid	10 to 90%

Regelgeving

Conformiteit	CE, REACH, RoHS, UL

442 (17.4 in.)

442
(17.4 in.)

92 (3.62 in.)

442
(17.4 in.)