

# TVN-2208S-24T

## TruVision™ NVR 22 optager, 8 IP kanaler, integreret PoE switch, 24TB, H.265 NVR

### 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

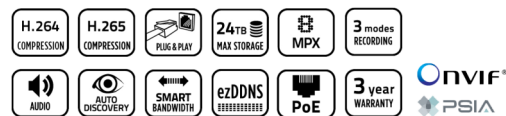
The TVN 22S is supporting both H.264 and H.265 compression techniques. The H.265 compression is the next evolution of video encoding. Using H.265 will result in a reduced file size for the same video content and a reduced transmission bandwidth compared to H.264. This means that for the same storage 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 6TB 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.

### TruVision OH

TVN 22S has the OH (Osborne-Hoffmann) alarmreceiver module embedded inside. The OH receiver is an alarm message receiver and can connect to up to three Interlogix IP intrusion panels that report in



### Detaljer

- Linux embedded Plug and Play configuration
- 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
- Up to 24TB embedded storage (4 x 6TB)
- Flip-open front panel for easy HDD access, servicing & expansion
- New icon based front panel
- Real-time Full HD recording
- Motion detection, VCA, privacy masking, tamper detection
- TruVision IP camera auto-discovery
- Third party camera support via ONVIF & 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
- TruVision Navigator license-free client/host or standalone application (6.0SP1)
- TVRmobile app for Android and iOS

SIA or XSIA format. 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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## Tekniske specifikationer

### Generelt

Teknologi	IP
Kan monteres på stativ	Ja
Rackstørrelse	1.5 U
Aftagelig blæser	Nej
Redundant strømforsyning	Nej

### Wejście wideo / audio

Kamerakanaler	8
Edge failover-optagelse	8
Maks. båndbredde pr. kanal	16 Mbps
Kameraets båndbredde	80 Mbps
Maks. IP-lyd ind	8
Understøttede videokomprimeringsstandarder	H.264, H.265, MPEG-4

Understøttede standarder for videostreaming	Onvif, PSIA, RTSP, RTSP Custom Protocols
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### Lokal visning

HDMI-udgang	1
HDMI-version	2.0
VGA-udgang	1
BNC output	1
Maks. lokal outputopløsning	4K
OSD for synkron afspilning (kanaler)	Up to 8 channels
Omvendt afspilning OSD (kanaler)	1

### Fjernvisning

Total tilgængelig båndbredde	256 Mbps
Maks. livestreams	128
Maks. afspilning af streams	128
Maks. afspilningsopløsning webbrowser	8 MPX
Maks. samtidig afspilning webbrowser	Max. 16 tiles (4x4)
Omvendt afspilningswebbrowser (kanaler)	Up to 9 channels, depending on PC performance
Softwarekompatibilitet	Advisor Management Software (ATS8600), TruVision Navigator, TVRmobile, Web Browser
Browser kompatibilitet	Google Chrome, Internet Explorer, Mozilla Firefox, Safari

### Opbevaring

Opbevaringskapacitet	24 TB
SATA-grænseflader	4
Maks. kapacitet pr. HDD (TB)	6
Maksimal optagelsesopløsning	12 MP
Optagelsestilstande	Alarm, Event, Manual, Time-lapse high, Time-lapse low
Ekstern lagring	eSATA, NAS, SAN
Harddiskredundans	Nej
Harddiskgruppering	Nej
SAS udvidelse	Nej
Flip-open frontpanel	Nej
Automatisk arkivering	Ja
Hot reserveoptager	Ja
Edge failover-optagelse	Ja

### Netværk

Netværksinterfacekort (NIC)	1
NIC-type	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Netværksporte pr. NIC	1
PoE ports	8
Totalt PoE-budsjett	200 W
PoE-standarder understøttet	PoE-af, PoE-at
Plug & Play PoE-understøttelse	Ja
Fleksibel PoE-tildeling	Ja
DNS-support	DDNS, ezDDNS, Ingen IP
HTTPS support	Ja

### Ekstern interface

USB-grensesnitt tilbage	1
USB-grensesnitt foran	2
Seriell grænseflade	RS-232
Alarmindgange	16
Alarmuitgangen	4
Maks. analoge lydudgange	1

### Elektrisk

Strømforsyningstype	100 til 240 VAC
Strømforbrug uden HDD (W)	20 W (without enabling PoE)

### Fysisk

Fysiske dimensioner	442 x 371 x 74 mm (W x D x H)
Farve	Sort

### Miljø

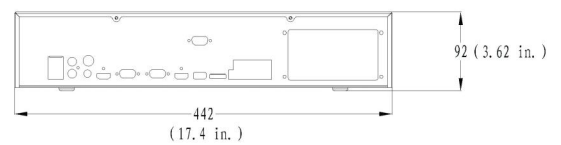
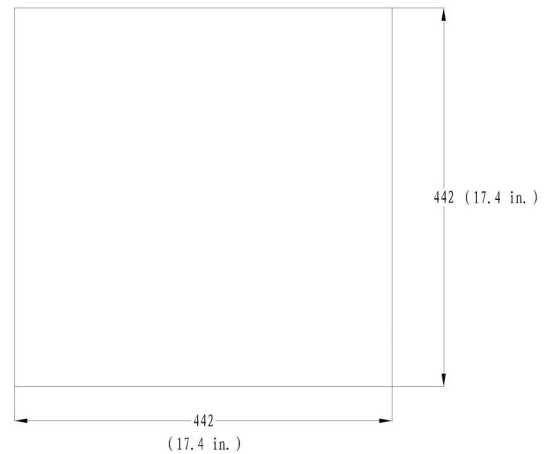
Driftstemperatur	-10 to +55°C (14 °F to 131 °F)
Relativ luftfugtighed	10 to 90%

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## Regulerende

Overholdelse CE, REACH, RoHS, UL



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Last updated on 29 February 2024 - 9:32