TVN-2232-2T

TruVision™ NVR 22 recorder, 32 IP channels, 2TB, H.265 NVR, 1.5U

Overview

TruVision NVR 22 (TVN 22) is a robust high performance H.264/H.265 network video recorder.
With a total bandwidth of 80/160/256 Mbps available, the TVN 22 is able to connect up to 8/16/32 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 22 allows recording resolutions up to 8MPX at various frame rates.

Ease of use

TVN 22 is designed to make system configuration and overall use easier for both the installer and end-users through features such as: ezDDNS, start-up wizards, plug & play hard drives, auto discovery of natively supported cameras and is fully compatible with TruVision Navigator as of 6.0SP1 and TVRmobile.

H.265

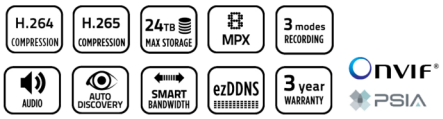
TVN 22 is supporting both H.264 and H.265 compression techniques. The H.265 compression is the next evolution of video encoding. The use of H.265 will result in a reduced file size for the same video content and a reduced transmission bandwidth compared to H.264. This means that less storage capacity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

Recording performance

The maximum on-board storage capacity for the TVN 22 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.
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.



Details

- Linux embedded Plug and Play configuration
- Up to 256 Mbps camera recording bandwidth
- Up to 32 IP channels
- 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)
- Network redundancy
- 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 support for local display of H.265 cameras)
- 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
- External integration through SDK

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Technische specificaties

Algemeen

Technologie	IP
Rek montage	Ja
Rek stapelformaat	1.5 U
Verwijderbare ventilator	Nee
Redundante voeding	Nee

Video / audio input

Camera kanalen	32
IP-camerakanalen	32
Max. bandbreedte per kanaal	16 Mbps
Camera bandbreedte	256 Mbps
Max. IP-audio in	8
Ondersteunde videocompressie standaarden	H.264, H.265, MPEG-4
Ondersteunde videostreaming standaarden	Onvif, PSIA, RTSP, RTSP Custom Protocols

Local viewing

HDMI-uitgang	1
HDMI-versie	2.0
VGA-uitgang	1
BNC output	1
Max. lokale uitgangsresolutie	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. gelijktijdig afspelen webbrowser	Max. 16 tiles (4x4)
Webbrowser voor achteruit afspelen (kanalen)	Up to 9 channels, depending on PC performance
Software compatibiliteit	Advisor Management Software (ATS8600), TruVision Navigator, TVRmobile, Web Browser
Browser compatibiliteit	Google Chrome, Internet Explorer, Mozilla Firefox, Safari

Opslag

Opslagcapaciteit	2 TB
SATA-interfaces	4
Max. capaciteit per SATA HDD (TB)	6
Maximale opnameresolutie	12 MP
Opnamemodi	Alarm, Event, Manual, Time-lapse high, Time-lapse low
Externe opslag	eSATA, NAS, SAN
Harde schijf redundantie	Ja
Harde schijf groepering	Ja
SAS-extensie	Nee
Opklapbaar voorpaneel	Ja
Automatische archivering	Ja
Hot spare-recorder	Ja
Edge-failover opname	Ja

Netwerken

Netwerkinterfacekaarten (NIC)	2
Type NIC	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
NIC-modus	Network Redundancy
Netwerkpoorten per NIC	1
DNS ondersteuning	DDNS, ezDDNS, Geen IP
HTTPS-ondersteuning	Ja

Externe interfaces

USB-interface achterzijde	1
USB-interface voorzijde	2
Seriële interface	RS-232
Alarmingangen	16
Alarmuitgangen	4
Max. analoge audio-uitgangen	1

Elektrisch

Type voeding	100 tot 240 VAC
Vermogensverbruik zonder HDD (W)	<=20 W

Fysiek

Fysieke afmetingen	442 x 371 x 74 mm (W x D x H)
Kleur	Zwart

Omgeving

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

Regelgeving

Conformiteit	CE, REACH, RoHS, UL

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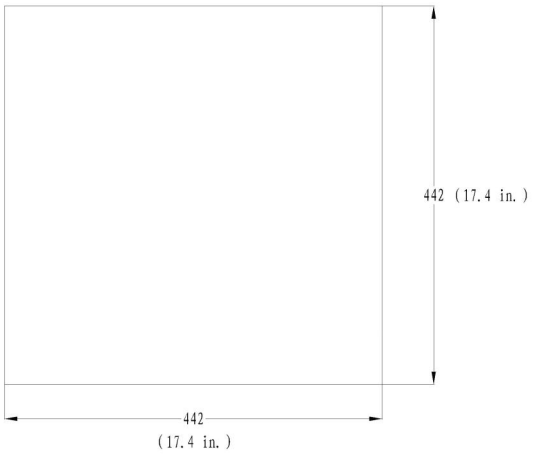

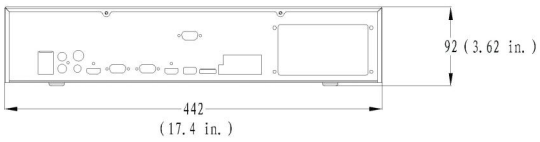

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