

TVN-2216P-2T

TruVision™ NVR 22P recorder, 16 IP channels, 2TB, H.265 NVR, 2U

Overview

TruVision NVR 22P (TVN 22) is a robust high performance H.264/H.265 network video recorder. With a total bandwidth of 256 Mbps (16-channel) or 320Mbps (32- and 64 channel) available, the TVN 22P is able to connect up to 16/32/64 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 22P allows recording resolutions up to 8MPX at various frame rates.

Ease of use

TVN 22P was 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

The TVN 22P 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 22, TruVision H.265 cameras need to be used.

Ease of use

Thanks to its 2U housing, the maximum on-board storage capacity for the TVN 2216P is 48 TB, using eight 6 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. Additionally, TVN 22P supports RAID 0,1, 5, 6,10 for storage redundancy. The supported RAID levels depend on the number on hard drives. 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 22P 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 16 IP channels
- Up to 48TB embedded storage (8x 6TB)
- RAID 0, 1, 5, 6, 10 support
- 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-discovery
- 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
Rack stacking size	2 U
Removable fan	Nee
Redundant power supply	Nee

Video / audio input

Camera channels	16
IP camera channels	16
Max. bandbreedte per kanaal	16 Mbps
Camera bandbreedte	256 Mbps
Max. IP audio in	16
Ondersteunde videocompressie standaarden	H.264, H.265, MPEG-4
Supported video streaming standards	Onvif, PSIA, RTSP, RTSP Custom Protocols

Local viewing

HDMI-uitgang	2
HDMI-versie	2.0
VGA output	2
BNC-uitgang	1
Max. lokale uitgangsmax. resolutie	4K
Synchroon afspelen OSD (kanalen)	Up to 16 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. afspelmax. resolutie 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

Storage capacity	2 TB
SATA interfaces	8
Max. capacity per SATA HDD (TB)	8
Maximale opnameresolutie	12 MP
Recording modes	Alarm, Event, Manual, Time-lapse high, Time-lapse low
External storage	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
Network ports per NIC	1
DNS ondersteuning	DDNS, ezDDNS, Geen IP
HTTPS support	Ja

Externe interfaces

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

Elektrisch

Power supply type	100 tot 240 VAC
Power consumption without HDD (W)	<=30 W

Fysiek

Fysieke afmetingen	442 x 442 x 92 mm (W x D x H)
Kleur	Zwart

Omgeving

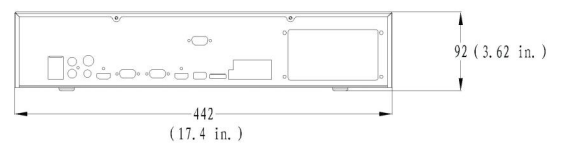
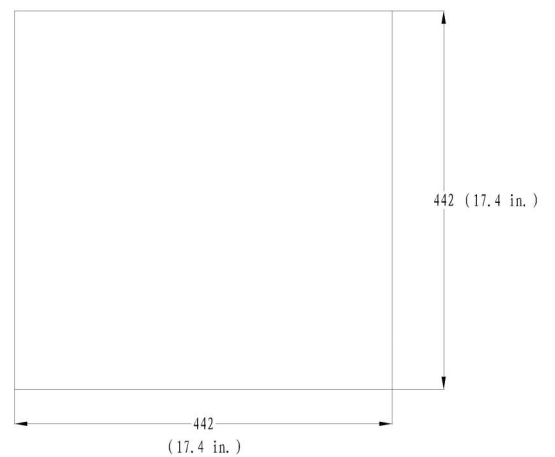
Bedrijfstemperatuur	-10 to +55°C (14 °F to 131 °F)
Relative humidity	10 to 90%

Regelgeving

Compliance	CE, REACH, RoHS, UL
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