TVN-2232P-12T

TruVision NVR 22P, H.265, 32 kanaler IP, 2 gigabitportar, 12 TB

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

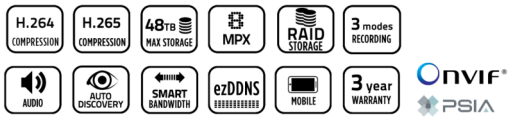
The TVN 22P is supporting both H.264 and H.265 compression techniques. The H.265 compression is the next evolution of video encoding. Using H.265 will result in a reduced file size for the same video content and a reduced transmission bandwidth compared to H.264. This means that for the same storage 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 2232P is 64 TB, using eight 8 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 and 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.



Detaljer

- Linux embedded Play and Play configuration
- Up to 320 Mbps camera recording bandwidth
- Up to 32 IP channels
- Up to 64TB embedded storage (8x 8TB)
- RAID 0, 1, 5, 6, 10 support (depending on the number of HDDs)
- Flip-open front panel for easy HDD access, servicing & expansion
- New icon based front pane
- 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 Android and iOS
- TruVision Navigator license-free client/host or standalone application

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Tekniska specifikationer

Allmänt

Teknik	IP
Monterbar på rack	Ja
Rackstorleksstorlek	2 U
Avtagbar fläkt	Nej
Redundant strömförsörjning	Nej

Video-/ljudingång

Kamerakanaler	32
Edge failover-inspelning	32
Max. bandbredd per kanal	16 Mbps
Kamerabandbredd	320 Mbps
Max. IP-ljud in	32
Max. analogt ljud in	1-ch, RCA (2.0 Vp-p, 1 kohm)
Supported video compression standards	H.264, H.265, MPEG-4
Supported video streaming standards	Onvif, PSIA, RTSP, RTSP Custom Protocols

Lokal översikt

HDMI-utgång	2
HDMI version	2.0
VGA-utgång	2
BNC-utgång	1
Max. lokal utdataupplösning	4K
OSD för synkron uppspelning (kanaler)	Up to 16 channels
Omvänd uppspelning OSD (kanaler)	1

Fjärrövervakning

Total tillgänglig visningsbandbredd	256 Mbps
Max. live-strömmar	128
Max. spela upp visningsströmmar	128
Max. webbläsare för uppspelningsupplösning	8 MPX
Max. webbläsare för uppspelning samtidigt	Max. 16 tiles (4x4)
Omvänd uppspelningswebbläsare (kanaler)	Up to 9 channels, depending on PC performance
Software compatibility	Advisor Management Software (ATS8600), TruVision Navigator, TVRmobile, Web Browser
Browser compatibility	Google Chrome, Internet Explorer, Mozilla Firefox, Safari

Lagring

Lagringskapacitet	12 TB
SATA-gränssnitt	8
Max. capacity per SATA HDD (TB)	8
Maximum recording resolution	12 MP
Recording modes	Alarm, Event, Manual, Time-lapse high, Time-lapse low
External storage	eSATA, NAS, SAN
RAID-nivåer som stöds	RAID 0, RAID 1, RAID 5
Hårddiskredundans	Ja
Harddiskgruppering	Ja
SAS förlängning	Nej
Vänd öppen frontpanel	Ja
Automatisk arkivering	Ja
Hot reservinspelare	Ja
Edge failover-inspelning	Ja

Nätverk

Network interface cards (NIC)	2
NIC-typ	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
NIC-läge	Network Redundancy
Nätverksportar per nätverkskort	1
DNS support	DDNS, ezDDNS, Ingen IP
HTTPS-stöd	Ja

Externa gränssnitt

USB interface back	1
USB-gränssnitt fram	2
Seriellt gränssnitt	RS-232
Larmingångar	16
Alarm outputs	4
Max. analog audio outputs	1

Elektrisk

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

Fysisk

Fysiska dimensioner	442 x 442 x 92 mm (W x D x H)
Färg	Svart

Miljö

Driftstemperatur	-10 to +55°C (14 ºF to 131 ºF)
Relative humidity	10 to 90%

Reglerande

Compliancy	CE, REACH, RoHS, UL

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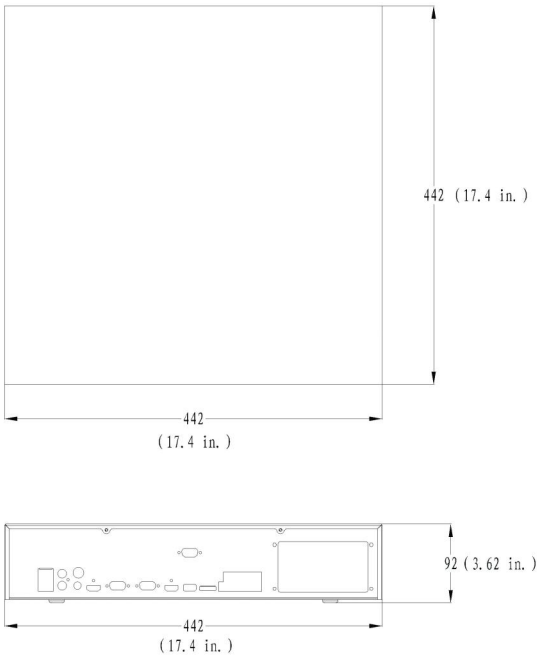

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