TVN-2216-24T

Gravador Vídeo de Rede, H.265, 16 canais IP, Armazenamento 24TB - TruVision Série NVR 22

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

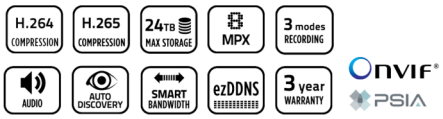
TVN 22 is supporting both H.264 and H.265 compression techniques. The H.265 compression is the next evolution of video encoding. The use of H.265 will result in a reduced file size for the same video content and a reduced transmission bandwidth compared to H.264. This means that less storage capacity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



Detalhes

- Linux embedded Plug and Play configuration
- Up to 160 Mbps camera recording bandwidth
- Up to 16 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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Especificações técnicas

Geral

Technology	IP
Rack mountable	Sim
Rack stacking size	1.5 U
Removable fan	Não
Fonte de alimentação redundante	Não

Entrada vídeo/áudio

Camera channels	16
IP camera channels	16
Largura de banda máx. por canal	16 Mbps
Largura de banda de câmara	160 Mbps
Max. IP audio in	16
Supported video compression standards	H.264, H.265, MPEG-4
Supported video streaming standards	Onvif, PSIA, RTSP, RTSP Custom Protocols

Visualização local

HDMI output	1
HDMI version	2.0
VGA output	1
BNC output	1
Max. local output resolution	4K
Synchronous playback OSD (channels)	Up to 16 channels
OSD reprodução inversa (canais)	1

Visualização remota

Total disponível de largura de banda de visualização	256 Mbps
Max. live viewing streams	128
Máx. de stream em reprodução	128
Resolução máx. de navegador em reprodução	8 MPX
Max. simultaneous playback web browser	Max. 16 tiles (4x4)
Navegador reprodução inversa (canais)	Up to 9 channels, depending on PC performance
Software compatibility	Advisor Manager, TruVision Navigator, TVRmobile, Web Browser
Browser compatibility	Google Chrome, Internet Explorer, Mozilla Firefox, Safari

Armazenamento

Storage capacity	24 TB
SATA interfaces	4
Capacidade máx. por HDD SATA (TB)	6
Maximum recording resolution	12 MPX
Recording modes	Alarme, Evento, Manual, Time-lapse high, Time-lapse low
External storage	eSATA, NAS, SAN
Hard drive redundancy	Sim
Agrupamento de discos rígidos	Sim
Extensão SAS	Não
Abertura flip-over da frente do painel	Sim
Arquivo automático	Sim
Hot spare recorder	Sim
Edge failover recording	Sim

Em rede

Cartas de interface de rede (NIC)	2
NIC type	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Modo NIC	Redundância de Rede
Portos de rede por NIC	1
DNS support	DDNS, ezDDNS, Não-IP
HTTPS support	Sim

Interfaces externos

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

Elétrica

Power supply type	100 a 240 VAC
Power consumption without HDD (W)	<=20 W

Físico

Dimensões físicas	442 x 371 x 74 mm (W x D x H)
Colour	Preto

Ambiental

Operating temperature	-10 to +55°C (14 ºF to 131 ºF)
Humidade relativa	10 to 90%

Regulamentação

Compliancy	CE, REACH, RoHS, UL

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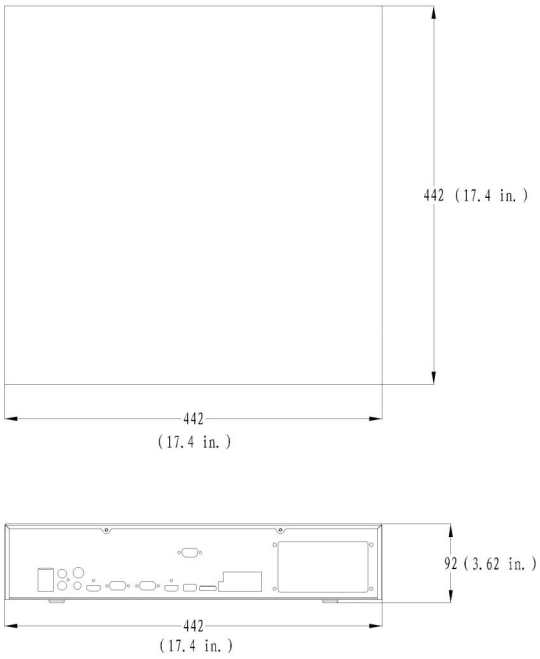

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