

# TVN-2208-2T

## Gravador Vídeo de Rede, H.265, 8 canais IP, Armazenamento 2TB - 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

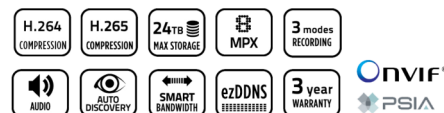
TVN 22 is supporting both H.264 and H.265 compression techniques. The H.265 compression is the next evolution of video encoding. The use of H.265 will result in a reduced file size for the same video content and a reduced transmission bandwidth compared to H.264. This means that less storage capacity 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 80 Mbps camera recording bandwidth
- Up to 8 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	
Tecnologia	IP
Montável em rack	Sim
Dimensão empilhamento em rack	1.5 U
Ventoinha removível	No
Fonte de alimentação redundante	No

Entrada vídeo/áudio	
Canais de câmaras	8
Canais Câmaras IP	8
Largura de banda máx. por canal	16 Mbps
Largura de banda de câmara	80 Mbps
Entradas máx. áudio IP	8
Standards de compressão de vídeo suportados	H.264, H.265, MPEG-4
Standards de streaming de vídeo suportados	Onvif, PSIA, RTSP, RTSP Custom Protocols

Visualização local	
Saída HDMI	1
Versão HDMI	2.0
Saída VGA	1
Saída BNC	1
Resolução máx. de saída local	4K
OSD reprodução síncrona (canais)	Up to 8 channels
OSD reprodução inversa (canais)	1

Visualização remota	
Total disponível de largura de banda de visualização	256 Mbps
Máx. de streams ao vivo	128
Máx. de stream em reprodução	128
Resolução máx. de navegador em reprodução	8 MPX
Rreproduções máx. em simultâneo no navegador	Max. 16 tiles (4x4)
Navegador reprodução inversa (canais)	Up to 9 channels, depending on PC performance
Compatibilidade de software	Advisor Manager, TruVision Navigator, TVRmobile, Web Browser
Compatibilidade de navegador	Google Chrome, Internet Explorer, Mozilla Firefox, Safari

Armazenamento	
Capacidade de armazenamento	2 TB
Interfaces SATA	4
Capacidade máx. por HDD SATA (TB)	6
Resolução máxima de gravação	12 MPX
Modos de gravação	Alarme, Evento, Manual, Time-lapse high, Time-lapse low
Armazenamento externo	eSATA, NAS, SAN
Redundância de discos rígidos	Yes
Agrupamento de discos rígidos	Yes
Extensão SAS	No
Abertura flip-over da frente do painel	Yes
Arquivo automático	Yes
Gravador de reposição	Yes
Gravação Edge failover	Yes

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

Interfaces externos	
Interface USB traseiro	1
Interface USB frontal	2
Interface série	RS-232
Entradas de alarme	16
Saídas de alarme	4
Saídas máx. áudio analógico	1

Elétrica	
Tipo de fonte de alimentação	100 a 240 VAC
Consumo sem HDD (W)	<=20 W

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

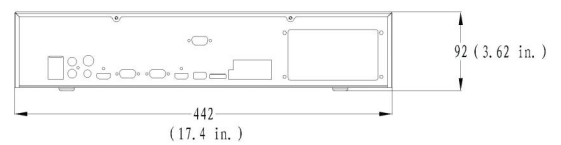
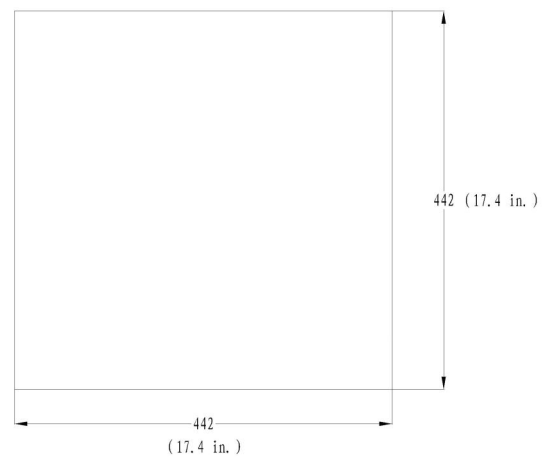
Ambiental	
Temperatura de operação	-10 to +55°C (14 °F to 131 °F)
Humidade relativa	10 to 90%

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## Regulamentação

Conformidade CE, REACH, RoHS, UL



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