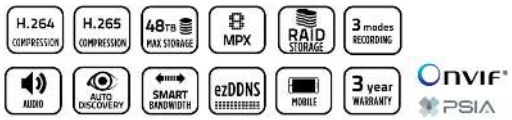
TVN-2232P-64T

Grabador IP TruVision NVR 22P de 32 canales, 64Tb. H.265.

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 64TB, 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. 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.

Detalles

- Linux embedded Plug 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
- 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

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Especificaciones técnicas

General

Tecnología	IP
Montaje en bastidor	Si
Tamaño de apilamiento en rack	2 U
Ventilador extraíble	No
Fuente de alimentación redundante	No

Entrada de video/audio

Canales de cámara	32
Canales de cámaras IP	32
Max. ancho de banda por canal	16 Mbps
Ancho de banda de cámara	320 Mbps
Max. entradas de audio IP	32
Max. entradas de audio analógico	1-ch, RCA (2.0 Vp-p, 1 kohm)
Estándares de compresión de video soportados	H.264, H.265, MPEG-4
Estándares de transmisión de video soportados	Onvif, PSIA, RTSP, Protocolos Personalizados RTSP

Visualización local

Salida HDMI	2
Versión HDMI	2.0
Salida VGA	2
Salida BNC	1
Max. resolución de salida local	4K
Reproducción sincronizada OSD (canales)	Up to 16 channels
Reproducción inversa OSD (canales)	1

Visualización remota

Ancho de banda de visualización total disponible	256 Mbps
Max. flujos en vivo	128
Max. reproducción de reproducción de flujos	128
Max. resolución de reproducción del navegador web	8 MPX
Máxima reproducción simultánea del navegador web	Max. 16 tiles (4x4)
Reproducción inversa del navegador web (canales)	Up to 9 channels, depending on PC performance
Compatibilidad del software	Advisor Manager, TruVision Navigator, TVRmobile, Navegador Web
Compatibilidad navegador	Google Chrome, Internet Explorer, Mozilla Firefox, Safari

Almacenamiento

Capacidad de almacenamiento	64 TB
Interfaces SATA	8
Máx. capacidad por HDD SATA (TB)	8
Máxima resolución de grabación	12 MPX
Modos de grabación	Alarma, Evento, Manual, Lapso de tiempo alto, Lapso de tiempo bajo
Almacenamiento externo	SATA, NAS, SAN
Niveles RAID soportados	RAID 0, RAID 1, RAID 10, RAID 5, RAID 6
Redundancia del disco duro	Si
Agrupación de discos duros	Si
Extensión SAS	No
Panel frontal abatible	Si
Auto archivado	Si
Grabadora de repuesto	Si
Grabación de fallos en el borde	Si

Trabajo en red

Tarjetas de interfaz de red (NIC)	2
Tipo de NIC	Interfaz Ethernet autoadaptable RJ-45 de 10/100/1000 Mbps
Modo NIC	Redundancia de Red
Puertos de red por NIC	1
Soporte para DNS	DDNS, ezDDNS, Sin IP
Soporte HTTPS	Si

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Interfaces externas

Interfaz trasera USB	1
Interfaz frontal USB	2
Interfaz serie	RS-232
Entradas de alarma	16
Salidas de alarma	4
Max. salidas de audio analógico	1

Eléctrico

Tipo de fuente de alimentación	100 a 240 VAC
Consumo de energía sin HDD (W)	<=30 W

Físico

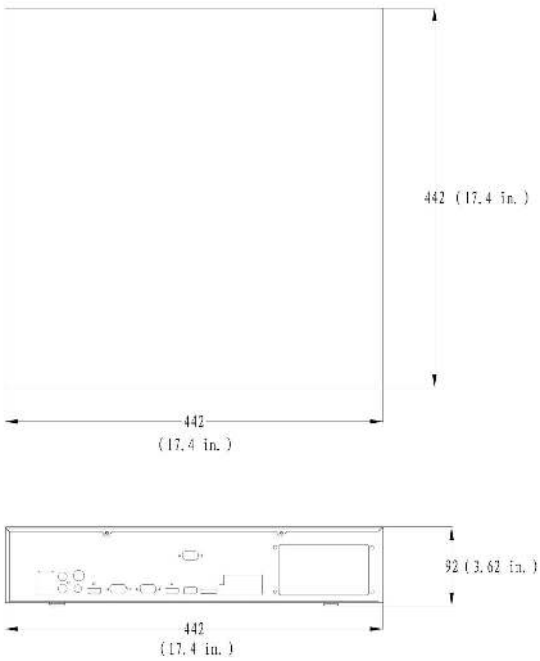
Dimensiones físicas	442 x 442 x 92 mm (W x D x H)
Color	Negro

Medioambiental

Temperatura de funcionamiento	-10 to +55°C (14 ºF to 131 ºF)
Humedad relativa	10 to 90%

Regulador

Cumplimiento	CE, REACH, RoHS, UL



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