TVN-7101R-16T

Grabador IP TruVision NVR 71 de 128 canales, RAID, 16Tb.

Overview

TruVision NVR 71 (TVN 71) is a high quality reliable embedded network video recorder. The device is able to manage up to 576 Mbps of incoming camera bandwidth, or up to 128 camera channels. The amount of incoming bandwidth will define how many cameras that can be connected.
To accommodate for these vast amounts of data, TVN 71 can be equipped with up to 96 TB of embedded storage in a non-RAID or a RAID configuration. Please note that different models of TVN 71 are available for non-RAID and RAID configurations. A non-RAID model can't be used in a RAID configuration!



Performance made accessible

TVN 71 offers higher end performance without the requirement of high end configuration. Functionality such as RAID (only with specific models!), advanced camera settings, fail-over recording, hard drive grouping, network segregation or network redundancy can be set up efficiently and easily, without the need of any advanced product training.
TVN 71 uses a similar familiar user interface as all other TruVision recorders, and can be operated by the same sets of software and apps as the whole TruVision portfolio, limiting training requirements drastically for technicians, operators and other users of the system.

H.265

The TVN 71 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 71, TruVision H.265 cameras need to be used.

Intrusion integration

TVN 71 has an alarm receiver 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, send an email, send a notification message to TVRMobile or to TruVision Navigator (as of version 7.1)).
Also the heartbeat message between panel and recorder is monitored. This solution offers straightforward alarm verification and is free of charge.

Broad redundancy options

In large scale systems it is important to limit single point of failure. For this reason, TVN 71 offers a large number of redundancy features,

Detalles

- Linux embedded Plug and Play configuration
- Up to 576 Mbps camera recording bandwidth or max. 128 cameras
- 16 TB RAID storage , expandable via hard drive kits (4 TB, 6 TB)
- RAID 0, 1, 5, 6, 10
- Real-time Full HD recording
- Full browser-based access for live, recorded & configuration
- Motion detection, VCA, privacy masking, tamper detection
- Integration of Carrier IP intrusion panels via SIA/XSIA reporting
- TruVision IP camera auto-discovery
- Native TruVision IP camera support & broad third party camera support through ONVIF
- Customer protocol configuration (RTSP streaming)
- Flip-open front panel for easy HDD access, servicing & expansion
- Network redundancy (NIC, port, network)
- PSU redundancy
- Replaceable fan
- Recorder fail-over functionality (one fail-over unit per 4 operational recorders)
- TruVision Navigator license-free client/host or standalone application
- TVRMobile app for iOS and Android

including RAID, NIC redundancy, network port redundancy, PSU redundancy, Fail-over recording as well as Edge fail-over recording.

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Especificaciones técnicas

General

Tecnología	IP
Sistema operativo	Linux integrado
Montaje en bastidor	Si
Tamaño de apilamiento en rack	3 U
Ventilador extraíble	Si
Fuente de alimentación redundante	Si

Entrada de video/audio

Canales de cámara	128
Max. ancho de banda por canal	16 Mbps
Ancho de banda de cámara	576 Mbps
Max. entradas de audio IP	128
Max. entradas de audio analógico	1
Estándares de compresión de video soportados	H.264, H.265
Estándares de transmisión de video soportados	Onvif, Protocolos Personalizados RTSP

Visualización remota

Ancho de banda de visualización total disponible	512 Mbps
Max. flujos en vivo	256
Max. reproducción de reproducción de flujos	256
Max. conexiones a la grabadora (sin visualización)	256
Compatibilidad del software	Advisor Manager, OnGuard, TruVision Navigator, TVRmobile
Compatibilidad navegador	Internet Explorer

Almacenamiento

Capacidad de almacenamiento	16 TB
Interfaces SATA	16
Máx. capacidad por HDD SATA (TB)	6
Máxima resolución de grabación	8 MPX
Modos de grabación	Alarma, Evento, Manual, Lapso de tiempo alto, Lapso de tiempo bajo
Grabación de doble flujo (canales)	128
Almacenamiento externo	NAS
Niveles RAID soportados	RAID 0, RAID 1, RAID 10, RAID 5, RAID 6
Redundancia del disco duro	Si
Agrupación de discos duros	Si
HDD intercambiables en caliente	Si
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)	8 (4x RJ45; 4x SFP)
Tipo de NIC	Interfaz Ethernet autoadaptable RJ-45 de 10/100/1000 Mbps
Modo NIC	Balanceo de carga, Modo Multidirección, Redundancia de Red
Puertos de red por NIC	1
Soporte para DNS	DDNS, ezDDNS, Sin IP
Soporte HTTPS	Si

Interfaces externas

Interfaz trasera USB	2
Interfaz frontal USB	2
Interfaz serie	RS-232
Entradas de alarma	16
Salidas de alarma	8
Max. salidas de audio analógico	1

Eléctrico

Voltaje de funcionamiento	100 - 240 VAC

Físico

Dimensiones físicas	442 x 494 x 146 mm (W x D x H)
Color	Negro

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Medioambiental

Temperatura de funcionamiento	-10 to +55°C
Humedad relativa	10% to 90%

Regulador

Cumplimiento	CE, cUL, FCC, RCM, REACH, RoHS, UL, WEEE

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Last updated on 21 February 2024 - 14:01