# TVN-7101-16T

## Grabador IP TruVision NVR 71 de 128 canales, 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 non-RAID storage, expandable via hard drive kits (4 TB, 6 TB)
- 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 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 |
| 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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