

TVN-7101R-16T

TruVision NVR 71, RAID, H.265, 576 Mbps, 3U, 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,



Details

- 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 UTC 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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Technical specifications

Ingresso audio/video

Canali telecamera	128
Max. bandwidth per channel	16 Mbps
Larghezza di banda telecamera	576 Mbps
Max. IP audio in	128
Max. analog audio In	1
Standards di compressione video supportati	H.264, H.265
Standards di video streaming supportati	Onvif, RTSP Custom Protocols

Vista da remoto

Larghezza di banda totale disponibile	512
Max. visualizzazioni live stream	256
Max. visualizzazioni playback stream	256
Max. connessioni al videoregistratore (non-visualizzate)	256
Compatibilità Software	Advisor Manager, OnGuard, TruVision Navigator, TVRmobile
Compatibilità browser	Internet Explorer

Memoria

Capacità di immagazzinamento	16 TB
Interfacce SATA	16
Max. capacity per SATA HDD (TB)	6
Massima risoluzione di registrazione	8 MPX
Modalità di registrazione	Allarme, Eventi, Manuale, Time-lapse high, Time-lapse low
Registrazione dual stream (canali)	128
Registrazione esterna	NAS
Livelli RAID supportati	RAID 0, RAID 1, RAID 10, RAID 5, RAID 6
Hard drive redundancy	Si
Hard drive grouping	Si
Hot swappable HDDs	Si
Flip-open front panel	Si
Archiviazione automatica	Si
Hot spare recorder	Si
Edge failover recording	Si

Networking

Network interface cards (NIC)	8 (4x RJ45; 4x SFP)
NIC type	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
NIC mode	Load balancing, Multi-address Mode, Network Redundancy
Porte di rete per NIC	1
Supporto DNS	DDNS, ezDDNS, No-IP
HTTPS support	Si

Interfaccia esterna

Interfaccia USB posteriore	2
Interfaccia USSB frontale	2
Interfaccia Seriale	RS-232
Ingresso di allarme	16
Uscita di allarme	8
Max. analog audio outputs	1

Generale

Sistema operativo	Embedded Linux
Si può installare su rack	Si
Rack stacking size	3 U
Ventola rimovibile	Si
Alimentatore ridondante	Si

Elettrico

Tensione di esercizio	100 - 240 VAC
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Fisico

Dimensioni fisiche	442 x 494 x 146 mm (L x W x H)
Colore	Nero

Ambientale

Temperatura operativa	-10 to +55°C
Umidità relativa	10% to 90%

Standard e norme

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