TVN-7101-16T

TruVision NVR 71, 576 Mbps/128 channel H.265 NVR, 16TB, NON-RAID

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 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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Technische specificaties

Algemeen

Technologie	IP
Besturingssysteem	Embedded Linux
Rek montage	Ja
Rek stapelformaat	3 U
Verwijderbare ventilator	Ja
Redundante voeding	Ja

Video / audio input

Camera kanalen	128
Max. bandbreedte per kanaal	16 Mbps
Camera bandbreedte	576 Mbps
Max. IP-audio in	128
Max. analoge audio-in	1
Ondersteunde videocompressie standaarden	H.264, H.265
Ondersteunde videostreaming standaarden	Onvif, RTSP Custom Protocols

Weergave op afstand

Totale beschikbare bandbreedte voor weergave	512 Mbps
Max. aantal streams bij live weergave	256
Max. aantal streams bij afspelen	256
Max. aantal verbindingen met recorder (zonder weergave)	256
Software compatibiliteit	Advisor Management Software (ATS8600), OnGuard, TruVision Navigator, TVRmobile
Browser compatibiliteit	Internet Explorer

Opslag

Opslagcapaciteit	16 TB
SATA-interfaces	16
Max. capaciteit per SATA HDD (TB)	6
Maximale opnameresolutie	8 MP
Opnamemodi	Alarm, Event, Manual, Time-lapse high, Time-lapse low
Dualstream opname (kanalen)	128
Externe opslag	NAS
Harde schijf redundantie	Ja
Harde schijf groepering	Ja
Hot-swappable harde schijven	Ja
Opklapbaar voorpaneel	Ja
Automatische archivering	Ja
Hot spare-recorder	Ja
Edge-failover opname	Ja

Netwerken

Netwerkinterfacekaarten (NIC)	8 (4x RJ45; 4x SFP)
Type NIC	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
NIC-modus	Load balancing, Multi-address Mode, Network Redundancy
Netwerkpoorten per NIC	1
DNS ondersteuning	DDNS, ezDDNS, Geen IP
HTTPS-ondersteuning	Ja

Externe interfaces

USB-interface achterzijde	2
USB-interface voorzijde	2
Seriële interface	RS-232
Alarmingangen	16
Alarmuitgangen	8
Max. analoge audio-uitgangen	1

Elektrisch

Bedrijfsspanning	100 - 240 VAC

Fysiek

Fysieke afmetingen	442 x 494 x 146 mm (W x D x H)
Kleur	Zwart

Omgeving

Bedrijfstemperatuur	-10 to +55°C
Relatieve vochtigheid	10% to 90%

Regelgeving

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

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