

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 sent 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,



Einzelheiten

- 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 Spezifikationen

Allgemein

Technologie	IP
Betriebssystem	Embedded Linux
Rackmontage	Ja
Rack-Stapelgröße	3 U
Abnehmbarer Lüfter	Ja
Redundante Stromversorgung	Yes

Video/Audio Eingang

Kamerakanäle	128
Max. Bandbreite pro Kanal	16 Mbps
Kamera-Bandbreite	576 Mbps
Max. IP-Audioeingang	128
Max. analoges Audio	1
Unterstützte Videokomprimierungsstandards	H.264, H.265

Unterstützte Videokomprimierungsstandards
Onvif, RTSP-benutzerdefinierte Protokolle

Fernanzeige

Gesamt verfügbare Bandbreite für Livebild	512 Mbps
Max. Live-Streams anzeigen	256
Max. Wiedergabestreams wiedergeben	256
Max. Verbindungen zum Recorder (nicht sichtbar)	256
Softwarekompatibilität	Advisor Manager, OnGuard, TruVision Navigator, TVRmobile
Browser-Kompatibilität	Internet Explorer

Lager

Speicherkapazität	16 TB
SATA-Schnittstellen	16
Max. Kapazität pro SATA HDD (TB)	6
Maximale Aufzeichnungsauflösung	8 MPX
Aufnahmemodi	Alarm, Ereignis, Handbuch, Zeitraffer hoch, Zeitraffer niedrig
Dual-Stream-Aufzeichnung (Kanäle)	128
Externer Speicher	NAS
Festplatten-Redundanz	Ja
Festplattengruppierung	Ja
Hot swappable HDDs	Ja
Frontklappe aufklappen	Ja
Automatische Archivierung	Ja
Hot-Spare-Rekorder	Ja
Edge-Failover	Ja

Vernetzung

Netzwerkkarten (NIC)	8 (4x RJ45; 4x SFP)
NIC-Typ	RJ-45 10/100/1000 Mbit / s selbstanpassende Ethernet-Schnittstelle
NIC-Modus	Lastverteilung, Mehradressen-Modus, Netzwerkredundanz
Netzwerkports pro Netzwerkkarte	1
DNS-Unterstützung	DDNS, ezDDNS, Keine-IP
HTTPS-Unterstützung	Ja

Externe Schnittstellen

USB Schnittstelle Rückseite	2
USB Schnittstelle Vorderseite	2
Serielle Schnittstelle	RS-232
Alarめingänge	16
Alarmausgänge	8
Max. analoge Audioausgänge	1

Elektrische Angaben

Betriebsspannung	100 - 240 VAC
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Physikalisch

Abmessungen	442 x 494 x 146 mm (W x D x H)
Farbe	Schwarz

Umweltbedingungen

Betriebstemperatur	-10 to +55°C
Relative Luftfeuchtigkeit	10% to 90%

Regulativ

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