TVN-7001R-16T

TruVision NVR 70, RAID, 400 Mbps, 3U, 16TB

Overview

TruVision NVR 70 (TVN 70) is a high quality reliable embedded network video recorder. The device is able to manage up to 400 Mbps of incoming camera bandwidth, or up to 128 camera channels.
To accommodate for these vast amounts of data, TVN 70 is equipped with up to 64 TB of embedded storage in a RAID configuration, or up to 96 TB in a non-RAID configuration.

Performance made accessible

TVN 70 offers higher end performance without the requirement of high end configuration. Functionality such as RAID, advanced camera settings, failover 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 70 uses the same 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.

Broad redundancy options

In large scale systems it is important to limit single point of failure. For this reason, TVN 70 offers a large number of redundancy features, including RAID 0/1/5/10, hard drive grouping, hard drive redundancy, NIC redundancy, network port redundancy, PSU redundancy, Failover recording as well as Edge failover recording.

Standalone or integrated

TVN 70 can be operated in a variety of ways, depending on the requirement of each individual application. The browser interface offers full functionality for viewing, playback and configuration of the device. Additionally, TruVision Navigator provides a full standalone or client/host application for managing TruVision systems.
Finally, all TruVision recorders are consistently supported by a broad set of Aritech integration software packages such as Lenel OnGuard, TruPortal, Advisor Manager and Mastermind. An SDK is also available for possible integration in third party systems.



Details

- Linux embedded Plug and Play configuration
- Up to 400 Mbps camera recording bandwidth
- Up to 128 IP channels to be connected
- Real-time Full HD recording
- Motion detection, VCA, privacy masking, tamper detection
- TruVision IP camera auto-discovery
- RAID 0/1/5/10
- Up to 96 TB embedded storage (16 x 6TB) non-RAID
- Up to 64 TB embedded storage (16 x 4TB) RAID
- Flip-open front panel for easy HDD access, servicing & expansion
- Network redundancy (NIC, port, network)
- PSU redundancy
- Removable fan
- IP camera configuration import/export
- Transcoding
- Motion search (latest TruVision IP cameras)
- Custom protocol configuration (RTSP streaming)
- Native TruVision IP camera support
- Broad third party camera support through Onvif & PSIA support
- Recorder failover functionality (one failover unit per 4 operational recorders)
- Full browser-based access for live, recorded & configuration
- TVRmobile app for iOS, Android & Windows Mobile
- TruVision Navigator license-free client/host or standalone application
- Integration into Advisor Management, OnGuard (7.2), TruPortal (2.0), MasterMind
- External integration support through SDK

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Technical specifications

General

Technology	IP
Operating system	Embedded Linux
Rack mountable	Yes
Rack stacking size	3 U
Removable fan	Yes
Redundant power supply	Yes

Video / audio input

Camera channels	128
IP camera channels	128
Max. bandwidth per channel	16
Camera bandwidth	400
Max. IP audio in	128
Max. analog audio In	1
Supported video compression standards	H.264, MPEG-4
Supported video streaming standards	Onvif, PSIA, RTSP, RTSP Custom Protocols

Remote viewing

Total available viewing bandwidth	400
Software compatibility	Advisor Management Software (ATS8600), MASterMind, OnGuard, TruPortal
Browser compatibility	Internet Explorer

Storage

Storage capacity	16 TB
SATA interfaces	16
Max. capacity per SATA HDD (TB)	4
Maximum recording resolution	6 MP
Recording modes	Alarm, Event, Manual, Time-lapse high, Time-lapse low
Dual stream recording (channels)	16
External storage	eSATA, NAS, SAN
Supported RAID levels	RAID 0, RAID 1, RAID 10, RAID 5
Hard drive redundancy	Yes
Hard drive grouping	Yes
Hot swappable HDDs	Yes (in RAID 5 configuration)
SAS extension	No
Flip-open front panel	Yes
Auto archiving	Yes
Hot spare recorder	Yes
Edge failover recording	Yes

Networking

Network interface cards (NIC)	2
NIC type	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
NIC mode	Multi-address Mode, Network Redundancy
Network ports per NIC	2
Plug & Play PoE support	No
DNS support	DDNS, ezDDNS, No-IP
HTTPS support	Yes

External interfaces

USB interface back	2
USB interface front	1
Serial interface	RS-232
Alarm inputs	16
Alarm outputs	4
Max. analog audio outputs	1

Electrical

Operating voltage	100 to 240 VAC
Power consumption without HDD (W)	70

Physical

Physical dimensions	445 x 530 x 150 mm
Colour	Black

Environmental

Operating temperature	-10 to +55 °C
Relative humidity	10 to 90% noncondensing

Regulatory

Compliancy	CE, REACH, RoHS, UL

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Last updated on 2 October 2025 - 15:00