

TVN-7001-30T

TruVision NVR 70, 400 Mbps, 3U, 30TB

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 UTC 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

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 Manager, MASTerMind, OnGuard, TruPortal |
| Browser compatibility | Internet Explorer |

Storage

| | |
|----------------------------------|---|
| Storage capacity | 30 TB |
| SATA interfaces | 16 |
| Max. capacity per SATA HDD (TB) | 6 |
| Maximum recording resolution | 6 MPX |
| Recording modes | Event, Alarm, 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 5, RAID 10 |
| Hard drive redundancy | Yes |
| Hard drive grouping | Yes |
| Hot swappable HDDs | No |
| 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 | Network Redundancy, Multi-address Mode |
| 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 |

General

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

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 |

Standards & regulation

| | |
|------------|---------------------|
| Compliance | CE, UL, RoHS, REACH |
|------------|---------------------|



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