# TVN-1204CS-1T

## TruVision NVR 12, 4 channels, 4 channel PoE, 40 Mbps, 1 TB

### Reasons to choose TVN 12

The TVN 12cS recorder series offers a full-featured, compact recording solution for IP cameras with a maximum resolution of 8 MP(4K).
The TVN-1204cS is a cost-effective, easy-to-use recorder capable of recording up to four IP cameras, connected to the built-in PoE ports or via the LAN network.

### Easy to use

A setup wizard with auto detection of IP cameras guarantees a fast installation of the recorder.
The TVN 12cS can be added to the internet without port forwarding or VPN, thanks to the built-in UltraSync connectivity. Showing remote video on mobile applications was never easier.
In combination with dedicated TruVision cameras that can support people and/or vehicle detection, the TVN 12 recorder series can find relevant events faster and without efforts.

### Applications

The TVN 12cS is the ideal recording solution for small commercial and residential applications, where ease of use and fast deployment time are important.







### Details

- Linux embedded Plug and Play configuration
- Supports H.264, H.265 and H.265+ encoding, depending on the cameras
- Four Plug & Play PoE Ports (PoE-af & PoE-at support) with a maximum resolution of 4K (8 MP)
- Automatic setup of IP addresses through Plug&Play PoE ports
- Up to 40 Mbps camera recording bandwidth for maximum four IP cameras
- 1 TB embedded storage
- Real time recording (Up to 4 MP)
- HDMI/VGA monitor output
- TruVision IP camera auto-detection
- IP camera configuration import/export
- UltraSync support for remote access without port forwarding
- Motion detection and VCA support, depending on the cameras
- Dedicated people/vehicle detection in combination with supported cameras
- Third party camera support via ONVIF Profile S or RTSP (custom protocols)
- Integration of Aritech IP intrusion panels via SIA/XSIA reporting
- TVK-600 IP keypad
- USB DVD burner support
- Full browser-, OSD- and software-based access for live, recorded video & configuration
- TVRMobile app for iOS and Android for remote viewing
- TruVision Navigator client/host or standalone application support
- External integration through SDK

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## Technical specifications

### General

| | |
|---|---|
| Technology | IP |
| Operating system | Embedded Linux |
| Rack mountable | No |

### Video/audio input

| | |
|---|---|
| Camera channels | 4 |
| IP camera channels | 4 |
| Camera bandwidth | 40 Mbps |
| Audio compression | G.711alaw, G.711ulaw, G.722, G.726 |
| Max. IP audio in | 4 |
| Max. analog audio In | 1 |
| Supported video compression standards | H.264, H.265, H.265+ |
| Supported video streaming standards | Onvif, RTSP Custom Protocols |

### Local viewing

| | |
|---|---|
| HDMI output | 1 |
| HDMI version | 1.4, 2.0 |
| VGA output | 1 |
| Max. local output resolution | 4K |
| Synchronous playback OSD (channels) | Up to 4 channels (1080P) |

### Remote viewing

| | |
|---|---|
| Total available viewing bandwidth | 80 Mbps |
| Max. live viewing streams | 128 streams |
| Max. playback viewing streams | 8 streams |
| Max. simultaneous playback web browser | Up to 8 channels |
| Reverse playback web browser (channels) | Up to 8 channels |
| UltraSync support | Yes, embedded |
| Software compatibility | Advisor Management Software (ATS8600), TruVision Navigator, TVRmobile |
| Browser compatibility | Google Chrome, Internet Explorer, Mozilla Firefox, Safari |

### Storage

| | |
|---|---|
| Storage capacity | 1 TB |
| SATA interfaces | 1 |
| Max. capacity per SATA HDD (TB) | 8 |
| Maximum recording resolution | 4 K |
| Recording modes | Continuous, Event, Manual |
| External storage | NAS |
| Edge failover recording | Yes |

### Networking

| | |
|---|---|
| Network interface cards (NIC) | 1 |
| NIC type | RJ-45 10/100 Mbps self-adaptive Ethernet interface |
| PoE ports | 4 |
| Total PoE budget | 50 W |
| PoE standards supported | PoE-af, PoE-at |
| Max. PoE budget per port | ≤ 30 W |
| Plug & Play PoE support | Yes |
| Flexible PoE allocation | Yes |
| DNS support | DDNS, ezDDNS, No-IP |
| HTTPS support | Yes |

### External interfaces

| | |
|---|---|
| USB interface back | 1 |
| USB interface front | 1 |
| Alarm inputs | 4 |
| Alarm outputs | 1 |
| Max. analog audio outputs | 1 |

### Electrical

| | |
|---|---|
| Operating voltage | 48 VDC |
| Power supply type | 48 VDC |
| Power consumption without HDD (W) | ≤65 W |

### Physical

| | |
|---|---|
| Physical dimensions | 320 x 240 x 48 mm (W x D x H) |
| Net weight | 1.2 kg |
| Colour | Black |

### Environmental

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

### Regulatory

| | |
|---|---|
| Compliancy | CE, FCC, RCM, REACH, RoHS, UKCA, UL, WEEE |

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