

# TVN-1204CS-1T

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

## Reasons to choose TVN 12

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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

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A setup wizard with auto detection of IP cameras guarantees a fast installation of the recorder.

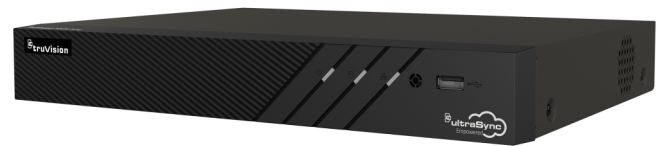
The TVN 12cS can be added to the internet without port forwarding or VPN, thanks to the built-in UltraSync connectivity. Showing remote video on mobile applications was never easier.

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

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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

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- 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 Carrier 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

|                                   |        |
|-----------------------------------|--------|
| 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

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



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Last updated on 5 May 2023 - 10:38