

# TVN-2316-8T

## TruVision™ NVR 23 recorder, 16 IP channels, 8 TB (1x 8TB)

### Product overview

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The TruVision TVN23(S/P) is a versatile and robust network video recorder.

The recorder series is available in different channel variations, with different hard drive capacities and with or without built-in PoE ports.

The TVN2316 recorder can connect up to 16 IP cameras. The recording is using efficient H.264/H.265 encoding or smart variants (for supported cameras) to optimize the storage of important footage for all connected cameras.

In combination with our TruVision IP cameras, the TVN 23 (S/P) recorders support different events (motion detection, cross line detection, intrusion detection) with person/vehicle classification for more efficient detection and easy retrieval of recorded video and snapshots.

The UltraSync support allows the TVN23(S/P) recorders to be accessed remotely via the TVRMobile app, offering access to all UltraSync features and upcoming add-ons.

Thanks to its built-in UltraSync connectivity, can the TVN23(S/P) easily connect to the internet without the need for port forwarding or VPN. Remotely viewing video on mobile applications has never been easier.

### Applications

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The TVN23(S/P) recorder is suitable for small and medium sized commercial and industrial applications (such as retail stores, warehouses, offices,...) where it can be managed by the TruVision Navigator video management software.



### Details

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- Linux embedded network video recorder
- Up to 256 Mbps camera recording bandwidth
- Up to 16 IP channels
- Up to 40TB embedded storage (4x 10TB)
- Flip-open, lockable front panel for easy HDD access. For servicing and expansion.
- UltraSync support for remote access without port forwarding
- TruVision IP camera auto-discovery
- Third party camera support via ONVIF (Profile S)
- IP camera configuration import/export
- Custom protocol configuration (RTSP streaming)
- Motion detection, VCA, privacy masking, tamper detection
- People/vehicle classification for events (only with supported TruVision cameras)
- Integration of Aritech IP intrusion panels via SIA/XSIA reporting
- POS text insertion support
- Recorder failover functionality
- Hard drive redundancy if more than one hard drive is used
- TVK-600 a TVK-610 IP keypad support
- Full browser-, OSD- and software-based access for live, recorded & configuration
- Support via TVRMobile app for iOS and Android
- Supported by TruVision Navigator license-free client/host or standalone application

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### Technical specifications

#### General

|                    |       |
|--------------------|-------|
| Technology         | IP    |
| Operating system   | Linux |
| Rack mountable     | Yes   |
| Rack stacking size | 1.5 U |

#### Video / audio input

|                                       |                                                |
|---------------------------------------|------------------------------------------------|
| Camera channels                       | 16                                             |
| IP camera channels                    | 16                                             |
| Max. bandwidth per channel            | 16 Mbps                                        |
| Camera bandwidth                      | 256 Mbps                                       |
| Audio compression                     | AAC, G.711alaw, G.711ulaw, G.722, G.726, MP2L2 |
| Max. IP audio in                      | 16                                             |
| Max. analogue audio-in                | 1                                              |
| Supported video compression standards | H.264, H.264+, H.265, H.265+                   |
| Supported video streaming standards   | Onvif, RTSP Custom Protocols                   |

#### Local viewing

|                                     |                   |
|-------------------------------------|-------------------|
| HDMI output                         | 2                 |
| HDMI version                        | 2.0               |
| VGA output                          | 1                 |
| BNC output                          | 1                 |
| Max. local output resolution        | 8K                |
| Synchronous playback OSD (channels) | Up to 16 channels |

#### Remote viewing

|                                        |                                                                                    |
|----------------------------------------|------------------------------------------------------------------------------------|
| Total available viewing bandwidth      | 256 Mbps                                                                           |
| Max. live viewing streams              | 128                                                                                |
| Max. playback viewing streams          | 128                                                                                |
| Max. simultaneous playback web browser | Max. 16 tiles (4x4)                                                                |
| Transcoding                            | Yes                                                                                |
| UltraSync support                      | Yes, embedded                                                                      |
| Software compatibility                 | Advisor Management Software (ATS8600), TruVision Navigator, TVRmobile, Web Browser |
| Browser compatibility                  | Google Chrome, Microsoft Edge, Mozilla Firefox, Safari                             |

#### Storage

|                                  |                                  |
|----------------------------------|----------------------------------|
| Storage capacity                 | 8 TB                             |
| SATA interfaces                  | 4                                |
| Max. capacity per SATA HDD (TB)  | 10                               |
| Maximum recording resolution     | 12 MP, 16 MP, 24 MP, 32 MP       |
| Recording modes                  | Alarm, Continuous, Event, Manual |
| Dual stream recording (channels) | 16                               |
| External storage                 | eSATA, NAS, SAN                  |
| Hard drive redundancy            | Yes                              |
| Hard drive grouping              | Yes                              |
| Flip-open frontpanel             | 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 |
| Network ports per NIC         | 1                                                       |
| DNS support                   | DDNS, ezDDNS, No-IP                                     |
| HTTPS support                 | Yes                                                     |

#### External interfaces

|                           |                |
|---------------------------|----------------|
| USB interface back        | 1              |
| USB interface front       | 2              |
| Serial interface          | RS-232, RS-485 |
| Alarm inputs              | 16             |
| Alarm outputs             | 9              |
| Max. analog audio outputs | 1              |

#### Electrical

|                                   |                    |
|-----------------------------------|--------------------|
| Power supply type                 | 100 to 240 VAC     |
| Power consumption without HDD (W) | 15 W (without HDD) |

#### Physical

|                     |                               |
|---------------------|-------------------------------|
| Physical dimensions | 442 x 469 x 70 mm (W x D x H) |
| Net weight          | ≤ 5 kg (without HDD)          |
| Colour              | Black                         |

#### Environmental

|                       |                             |
|-----------------------|-----------------------------|
| Operating temperature | -10 to +55°C<br>14 to 131°F |
| Relative humidity     | 10 to 90%                   |

#### Regulatory

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



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Last updated on 5 June 2025 - 15:16