# TVN-2308S-6T

**TruVision™ NVR 23 recorder, 8 IP channels, with PoE ports, 6 TB (1x 6TB)**

## Product overview

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 TVN2308S recorder can connect up to 8 IP cameras and the cameras can be powered via the built-in PoE ports. . 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.

The TVN23 can be used with Advantech ADAM 6060 I/O IP module (6 in/6 out) to expand the alarm capabilities of the recorder. Maximum 8 modules can be added to a recorder. This is supported as of firmware version 1.02.002.

## Applications

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.



## Détails

- Linux embedded network video recorder
- Up to 128 Mbps camera recording bandwidth
- Up to 8 IP channels & up to 8 embedded PoE camera ports
- PoE-af & PoE-at support
- 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
- Alarm extension via Advantech ADAM-6060 I/O IP module (6 in/6 out)
- POS text insertion support
- Recorder failover functionality
- Hard drive redundancy if more than one hard drive is used
- TVK-600 & 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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## Spécifications techniques

### Général

| | |
|---|---|
| Technologie | IP |
| Système d’exploitation | Linux |
| Montage en rack | Oui |
| Taille d'empilage de rack | 1.5 U |
| Ventilateur amovible | Non |
| Alimentation redondante | Non |

### Entrée vidéo/audio

| | |
|---|---|
| Canaux caméra | 8 |
| Canaux caméra IP | 8 |
| Bande passante Max par canal | 16 Mbps |
| Bande passante de la caméra | 128 Mbps |
| Compression audio | AAC, G.711alaw, G.711ulaw, G.722, G.726, MP2L2 |
| Entrée audio IP maximum | 8 |
| Entrée analogique maximum | 1 |
| Normes de compression vidéo prises en charge | H.264, H.264+, H.265, H.265+ |
| Normes de streaming vidéo prises en charge | Onvif, RTSP Custom Protocols |

### Visualisation locale

| | |
|---|---|
| Sortie HDMI | 2 |
| Sortie VGA | 1 |
| Sortie BNC | 1 |
| Résolution de sortie max. locale | 8K |
| Lecture OSD synchrone (canaux) | Up to 8 channels |

### Visualisation à distance

| | |
|---|---|
| Bande passante d'affichage totale disponible | 256 Mbps |
| Flux de visualisation max. en direct | 128 |
| Flux de lecture maximum | 128 |
| Lecture simultanée max. via le navigateur | Max. 16 tiles (4x4) |
| Transcodage | Oui |
| UltraSync support | Yes, embedded |
| Logiciel compatible | Advisor Management Software (ATS8600), TruVision Navigator, TVRmobile, Web Browser |
| Navigateur compatible | Google Chrome, Microsoft Edge, Mozilla Firefox, Safari |

### Stockage

| | |
|---|---|
| Capacité de stockage | 6 TB |
| Interface SATA | 4 |
| Capacité Max. par disque dur SATA (To) | 10 |
| Résolution maximale denregistrement | 12 MP, 16 MP, 24 MP, 32 MP |
| Modes d'enregistrement | Alarm, Continuous, Event, Manual |
| Enregistrement en double flux (canaux) | 8 |
| Stockage externe | eSATA, NAS, SAN |
| Redondance du disque dur | Oui |
| Groupement de disque dur | Oui |
| Extension SAS | Non |
| Panneau avant rabattable | Oui |
| Archivage automatique | Oui |
| Enregistreur échangeable à chaud | Oui |
| Enregistrement de basculement Edge | Oui |

### Réseau

| | |
|---|---|
| Cartes interface réseau (NIC) | 1 |
| Type NIC | RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface |
| Ports réseau par NIC | 1 |
| PoE ports | 8 |
| Total du budget PoE | 150 W |
| Normes PoE supportées | PoE-af, PoE-at |
| Prise en charge Plug & Play PoE | Oui |
| Allocation PoE flexible | Oui |
| Support DNS | DDNS, ezDDNS, Pas d'IP |
| HTTPS | Oui |

### Interfaces externes

| | |
|---|---|
| Interface USB arrière | 1 |
| Interface USB avant | 2 |
| Interface série | RS-232, RS-485 |
| Entrées d'alarme | 16 |
| Sorties d'alarme | 9 |
| Sorties audio analogique maximum | 1 |

### Électrique

| | |
|---|---|
| Type de bloc d’alimentation | 100 à 240 VCA |
| Consommation d'énergie sans disque dur (W) | 15 W (without enabling PoE and without HDD) |

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### Caractéristiques physiques

| | |
|---|---|
| Dimensions physiques | 445 x 400 x 70 mm (W x D x H) |
| Poids net | ≤ 5 kg (without HDD) |
| Couleur | Noir |

### Environnement

| | |
|---|---|
| Température de fonctionnement | -10 to +55°C<br>14 to 131ºF |
| Humidité relative | 10 to 90% |

### Régulateur

| | |
|---|---|
| Conformité | CE, REACH, RoHS, UL |

### Alarm extension (to be purchased from Advantech or his distributors)

| | |
|---|---|
| Advantech ADAM-6060 I/O IP module | 6 inputs - 6 outputs |

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