

# TVN-2316-4T

## TruVision™ NVR 23 recorder, 16 IP channels, 4 TB

### 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.



### Dettagli

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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 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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### Specifiche tecniche

#### Generale

|                            |       |
|----------------------------|-------|
| Tecnologia                 | IP    |
| Sistema operativo          | Linux |
| Si può installare su rack  | Si    |
| Dimensioni impilaggio rack | 1.5 U |

#### Ingresso audio/video

|                                           |                                                |
|-------------------------------------------|------------------------------------------------|
| Canali telecamera                         | 16                                             |
| Canali della telecamera IP                | 16                                             |
| Max. Kaista per kanava                    | 16 Mbps                                        |
| Larghezza di banda telecamera             | 256 Mbps                                       |
| Compressione audio                        | AAC, G.711alaw, G.711ulaw, G.722, G.726, MP2L2 |
| Max. Ingresso audio IP                    | 16                                             |
| Entrée analogique maximum                 | 1                                              |
| Stadards di compressione video supportati | H.264, H.264+, H.265, H.265+                   |
| Standards di video streaming supportati   | Onvif, RTSP Custom Protocols                   |

#### Visione locale

|                                |                   |
|--------------------------------|-------------------|
| Uscita HDMI                    | 2                 |
| Versione HDMI                  | 2.0               |
| Uscita VGA                     | 1                 |
| Uscita BNC                     | 1                 |
| Max. risoluzione uscita locale | 8K                |
| Lecture OSD synchrone (canaux) | Up to 16 channels |

#### Visione a distanza

|                                       |                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------|
| Larghezza di banda totale disponibile | 256 Mbps                                                                           |
| Max. visualizzazioni live stream      | 128                                                                                |
| Max. visualizzazioni playback stream  | 128                                                                                |
| Max. playback web browser simultanei  | Max. 16 tiles (4x4)                                                                |
| Transcodifica                         | Si                                                                                 |
| UltraSync support                     | Yes, embedded                                                                      |
| Compatibilità Software                | Advisor Management Software (ATS8600), TruVision Navigator, TVRmobile, Web Browser |
| Compatibilità browser                 | Google Chrome, Microsoft Edge, Mozilla Firefox, Safari                             |

#### Memoria

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| Capacità di immagazzinamento         | 4 TB                                 |
| Interfacce SATA                      | 4                                    |
| Capacità massima per SATA HDD (TB)   | 10                                   |
| Massima risoluzione di registrazione | 12 MP, 16 MP, 24 MP, 32 MP           |
| Modalità di registrazione            | Allarme, Continuous, Eventi, Manuale |
| Registrazione dual stream (canali)   | 16                                   |
| Registrazione esterna                | eSATA, NAS, SAN                      |
| Ridondanza del disco rigido          | Si                                   |
| Raggruppamento del disco rigido      | Si                                   |
| Pannello frontale apribile           | Si                                   |
| Archiviazione automatica             | Si                                   |
| Registratore di riserva a caldo      | Si                                   |
| Registrazione failover edge          | Si                                   |

#### Networking

|                                     |                                                         |
|-------------------------------------|---------------------------------------------------------|
| Schede di interfaccia di rete (NIC) | 2                                                       |
| Tipo NIC                            | RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface |
| Porte di rete per NIC               | 1                                                       |
| Supporto DNS                        | DDNS, ezDDNS, Nessun IP                                 |
| Supporto HTTPS                      | Si                                                      |

#### Interfaccia esterna

|                              |                |
|------------------------------|----------------|
| Interfaccia USB posteriore   | 1              |
| Interfaccia USSB frontale    | 2              |
| Interfaccia Seriale          | RS-232, RS-485 |
| Ingresso di allarme          | 16             |
| Uscita di allarme            | 9              |
| Max. uscite audio analogiche | 1              |

#### Elettrico

|                                 |                    |
|---------------------------------|--------------------|
| Tipo di alimentatore            | 100 a 240 VCA      |
| Potenza assorbita senza HDD (W) | 15 W (without HDD) |

#### Fisico

|                    |                               |
|--------------------|-------------------------------|
| Dimensioni fisiche | 442 x 469 x 70 mm (W x D x H) |
| Peso netto         | ≤ 5 kg (without HDD)          |
| Colore             | Nero                          |

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## Ambientale

|                       |              |
|-----------------------|--------------|
| Temperatura operativa | -10 to +55°C |
|                       | 14 to 131°F  |

|                  |           |
|------------------|-----------|
| Umidità relativa | 10 to 90% |
|------------------|-----------|

## Regolatorio

|            |                     |
|------------|---------------------|
| Conformità | CE, REACH, RoHS, UL |
|------------|---------------------|



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