# TVR-4632-2T

## TruVision DVR 46, Hybrid, 32 channel, 2TB

### Overview

The TruVision DVR 46 (TVR 46) is a full-featured hybrid video recorder capable of recording up to 16 or 32 camera inputs (depending on the model).
As a true hybrid recorder, the TVR 46 can be used with analog, HD-TVI and IP cameras.
The recorder also supports HD-CVI (up to 4MP) and HD-AHD (up to 5MP) cameras when firmware version 2.1 or higher is used.
This hybrid recorder is uniquely qualified to upgrade existing analog installations, offering a competitive, feature-rich and practical solution for the market of HD analog, standard analog and hybrid recorders.






### Open technology with powerful encoding

Using the open HD-TVI technology, TVR 46 can connect to any HD-TVI camera up to 4K (8MP) over existing coax cable.
Next to HD-TVI, TVR46 also connects standard analog cameras and allows you to reuse existing analog cameras that do not yet need to be replaced/upgraded.
Finally, TVR 46 is capable of connecting all of its channels on IP cameras (up to 4K (8MP)), making this is a true HD Hybrid series.
The TVR 46 can use H.264 or H.265 encoding for analog, HD-TVI and IP cameras.
HD-CVI and HD-AHD cameras are supported in H.264 encoding.

### Unique intrusion integration

TVR 46 offers free integration with IP intrusion panels (Aritech) for video verification of (alarm) events. Alarm and arming/disarming events are sent from the intrusion panel to the recorder and can trigger actions in the recorder (recording, output control, PTZ control, email) and/or send notifications to TVRMobile or TruVision Navigator. Also the communication between recorder and panel is monitored.

### Why TVR 46?

The TVR 46 recorder series offers a full-featured, flexible hybrid recording solution that is ideal for (gradually) migrating an old analog video system to a modern high resolution video system.

### Applications

The TVR 46 is suited for upgrading medium sized analog video systems in (commercial) applications (offices, retail stores, schools) where high quality video is important without expensive cable costs.

### Details

- Linux embedded Plug and Play configuration
- Supports standard analog, HD-TVI, HD-CVI, HD-AHD and IP cameras
- Up to 32 cameras (HD-TVI/HD-CVI/HD-AHD, IP or analog)
- Up to 32 IP cameras (when disabling all analog channels)
- Up to 4K (8 MP) HD-TVI and IP camera support. HD-CVI: up to 4MP and HD-AHD: up to 5MP.
- Support for ONVIF Profile S IP cameras
- Over-the-coax control for setup or PTZ control of TruVision HD-TVI cameras
- Use existing coax cabling for HD-TVI cameras
- Real-time Full HD recording
- Up to 32 TB of internal storage
- Hard drive grouping and RAID support (0,1, 5, 6, 10)
- Expandable storage: internally (depending on the model) and via NAS
- Start-up wizard for quick and easy installation
- HDMI, VGA and BNC (event only) video outputs
- Operations through OSD/browser/software
- Integration of Aritech IP intrusion panels via SIA/XSIA reporting
- Supported by TruVision Navigator license-free client/host or standalone application
- TVRmobile app for iOS and Android
- Integration into various Aritech software platforms

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## Technical specifications

### General

| | |
|---|---|
| Technology | Analog, HD-TVI analog, IP |
| Operating system | Embedded Linux |
| Rack mountable | Yes |
| Rack stacking size | 1.5 U |
| Removable fan | No |
| Redundant power supply | No |

### Video / audio input

| | |
|---|---|
| Camera channels | 32 |
| Analog camera channels | 32 |
| IP camera channels | 32 (with all analog channels disabled) |
| Max. bandwidth per channel | No limitation per channel |
| Camera bandwidth | 260 Mbps (combined in/out) |
| Audio compression | G.711 |
| Max. IP audio in | 32 |
| Max. analog audio In | 4 |
| Supported video compression standards | H.264, H.265 |
| Supported video streaming standards | Onvif |

### Local viewing

| | |
|---|---|
| HDMI output | 2 |
| HDMI version | 1.4 |
| VGA output | 1 |
| BNC output | 1 |
| Max. local output resolution | 4K |
| Synchronous playback OSD (channels) | 32 |
| Reverse playback OSD (channels) | 1 |

### Remote viewing

| | |
|---|---|
| Total available viewing bandwidth | Combined in and out bandwidth of 260 Mbps |
| Max. live viewing streams | 128 |
| Software compatibility | Advisor Management Software (ATS8600), OnGuard, TruVision Navigator, TVRmobile |
| Browser compatibility | Internet Explorer |

### Storage

| | |
|---|---|
| Storage capacity | 2 TB |
| SATA interfaces | 4 |
| Max. capacity per SATA HDD (TB) | 8 |
| Maximum recording resolution | 4 K |
| Recording modes | Alarm, Event, Manual, Time-lapse high, Time-lapse low |
| External storage | NAS, SAN |
| Supported RAID levels | RAID 0, RAID 1, RAID 10, RAID 5, RAID 6 |
| Hard drive redundancy | Yes |
| Hard drive grouping | Yes |
| Hot swappable HDDs | No |
| Flip-open front panel | Yes |
| Auto archiving | Yes |
| Hot spare recorder | No |
| Edge failover recording | No |

### Networking

| | |
|---|---|
| Network interface cards (NIC) | 2 |
| NIC type | RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface |
| NIC mode | Multi-address Mode, Network Redundancy |
| 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 | 4 |
| Max. analog audio outputs | 2 |

### Electrical

| | |
|---|---|
| Operating voltage | 100 to 240 VAC |
| Power consumption | ≤ 74 W without HDD |

### Physical

| | |
|---|---|
| Physical dimensions | 442 x 460 x 70 mm (W x D x H) |
| Net weight | 7.7 kg |
| Colour | Black |

### Environmental

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

### Regulatory

| | |
|---|---|
| Compliancy | CE, REACH, RoHS, UL |

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