



Product data sheet

TVR-4616-4T

TruVision DVR 46, Hybrid, 16 channel, 4TB

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

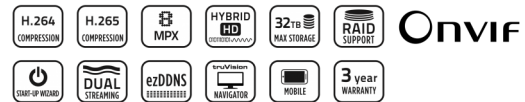
TVR 46 offers free integration with IP intrusion panels (UTC) for video verification of (alarm) events. Alarm and arming/disarming events are sent from the intrusion panel to the recorder and can trigger actions in the recorder (recording, output control, PTZ control, email) and/or send notifications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

Why TVR 46?

The TVR46 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 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.



Details

- Linux embedded Plug and Play configuration
- Supports standard analog, HD-TVI, HD-CVI, HD-AHD and IP cameras
- Up to 16 cameras (HD-TVI/HD-CVI/HD-AHD, IP or analog)
- Up to 16 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 Carrier 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 Carrier software platforms

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Technical specifications

General

| | |
|------------------------|----------------|
| 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 | 16 |
| Analog camera channels | 16 |
| IP camera channels | 16 (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 | 16 |
| Max. analog audio in | 4 |
| Supported video compression standards | H.264, H.265 |
| Supported video streaming standards | Onvif |

Local viewing

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|-------------------------------------|-----|
| HDMI output | 2 |
| HDMI version | 1.4 |
| VGA output | 1 |
| BNC output | 1 |
| Max. local output resolution | 4K |
| Synchronous playback OSD (channels) | 16 |
| Reverse playback OSD (channels) | 1 |

Remote viewing

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|-----------------------------------|---|
| Total available viewing bandwidth | Combined in and out bandwidth of 260 Mbps |
| Max. live viewing streams | 128 |
| Software compatibility | Advisor Manager, OnGuard, TruVision Navigator, TVRmobile |
| Browser compatibility | Google Chrome, Internet Explorer, Mozilla Firefox, Safari |

Storage

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|---------------------------------|---|
| Storage capacity | 4 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

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

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|-------------------|--------------------|
| Operating voltage | 100 to 240 VAC |
| Power consumption | ≤ 65 W without HDD |

Physical

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

Standards & regulation

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

As a company of innovation, Carrier Fire & Security reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

Last updated on 2 June 2021 - 14:02

