# TVR-1708-4T

## TruVision™ DVR 17, Gravador HD-TVI Híbrido 8 canais, 4 TB

### Product overview

The TVR17 series is a full-featured and flexible hybrid recording solution that is ideal for gradually migrating from analog to modern high-resolution video systems. The TVR-1708 is a cost-effective recorder that can record up to 8 cameras.

As a true hybrid recorder, the TVR17 can be used with analog, HD-TVI, IP, HD-CVI (up to 4 MP), and HD-AHD (up to 5 MP) cameras. This hybrid recorder is uniquely qualified to upgrade existing analog installations, offering a competitive, feature-rich, and practical solution.



### Easy to use

The newly added integration with the UltraSync cloud allows the TVR17 recorder 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, the TVR17 can be easily connected to the internet without the need for port forwarding or VPN. Remotely viewing video on mobile applications has never been easier. With advanced people and vehicle recognition on analog channels and on supported TruVision IP cameras, the TVR17 series can quickly and easily find relevant events.

### Flexible

The TVR-1708 utilizes open HD-TVI technology to connect to any HD-TVI camera up to 8 megapixels (MP) over existing coaxial cables. In addition to HD-TVI, the TVR17 also supports connection to standard analog cameras, allowing you to reuse existing analog cameras that do not yet need to be replaced or upgraded. Furthermore, the TVR17 is able to connect to all of its channels on IP cameras up to 4K (8 MP), making it a true HD hybrid series. It also employs H.265 encoding for both analog and IP cameras.

### Applications

The TVR17 is suited for upgrading small sized analog video systems in (commercial) applications (residential, small offices, small shops) where high quality video is important without expensive cable costs.

### Detalhes

- Linux embedded Plug and Play configuration
- Supports standard analog, HD-TVI, HD-AHD, HD-CVI and IP technology
- Up to 8 analog cameras or up to 8 IP cameras (when disabling all analog channels)
- Up to 8 MP (4K) HD-TVI and IP camera support
- 4 TB internal storage
- Real time Full HD recording
- Dual stream recording on all channels
- HDMI, VGA and BNC video (event only) outputs
- UltraSync support for remote access without port forwarding
- Dedicated people/vehicle detection for analog/HD-TVI cameras (max.4) and dedicated IP cameras
- Third party IP camera support via ONVIF Profile S
- Integration of KGS IP intrusion panels via SIA/XSIA reporting
- TVK-600 IP keypad support
- Over-the-coax control for TruVision fixed/PTZ HD-TVI cameras
- Use existing coax cabling for HD-TVI, HD-AHD and HD-CVI cameras
- Full browser-, OSD- and software-based access for live, recorded video & configuration
- TVRMobile app for iOS and Android for remote viewing
- TruVision Navigator client/host or standalone application support
- External integration through SDK

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## Especificações técnicas

### General

| | |
|---|---|
| Technology | Analog, HD-TVI analog, IP |
| Operating system | Embedded Linux |
| Rack mountable | Ja |
| Rack stacking size | 1 U |

### Video/audio input

| | |
|---|---|
| Camera channels | 8 |
| Analog camera channels | 8 |
| IP camera channels | 8 (with all analog channels disabled) |
| Max. bandwidth per channel | Analog: up to 8 Mbps (main stream) / up to 3 Mbps (sub stream) IP: follow capacity of IP camera but will not exceed 16 Mbps |
| Camera bandwidth | 128 Mbps (combined in/out) |
| Audio compression | G.711U |
| Max. analog audio In | 8-ch, RCA (2.0 Vp-p, 1 kOhm) |
| Supported video compression standards | H.264, H.265, H.265+ |
| Supported video streaming standards | Onvif |

### Local viewing

| | |
|---|---|
| HDMI output | 1 |
| HDMI version | 1.4 |
| VGA output | 1 |
| BNC output | 1 |
| Max. local output resolution | 4K |
| Synchronous playback OSD (channels) | Up to 8 channels |
| Reverse playback OSD (channels) | Up to 1 channel |

### Remote viewing

| | |
|---|---|
| Total available viewing bandwidth | 128 Mbps (combined in/out) |
| Max. live viewing streams | 64 |
| Max. simultaneous playback web browser | Up to 8 channels |
| Software compatibility | TruVision Navigator, TVRmobile |
| Browser compatibility | Google Chrome, Internet Explorer, Mozilla Firefox, Safari |

### Storage

| | |
|---|---|
| Storage capacity | 4 TB |
| SATA interfaces | 2 |
| Max. capacity per SATA HDD (TB) | 8 TB |
| Maximum recording resolution | 4 K / 8 MP (HD-TVI), 4 K / 8 MP (IP), 4 MP (HD-CVI), 5 MP (HD-AHD), 8 MP (HD-TVI) |
| Recording modes | Continuous, Ereignis, Handbuch |
| Dual stream recording (channels) | All channels (cannot be disabled) |
| External storage | NAS |

### Networking

| | |
|---|---|
| Network interface cards (NIC) | 1 |
| NIC type | RJ-45 10/100/1000 Mbit / s selbstanpassende Ethernet-Schnittstelle |
| DNS support | DDNS, ezDDNS, Keine-IP |
| HTTPS support | Yes |

### External interfaces

| | |
|---|---|
| USB interface back | 1 |
| USB interface front | 1 |
| Serial interface | RS-485 |
| Alarm inputs | 8 |
| Alarm outputs | 4 |
| Max. analog audio outputs | 1 |

### Electrical

| | |
|---|---|
| Power supply value | 12 VDC (external PSU included) |
| Power consumption without HDD (W) | Less than 15 W |

### Physical

| | |
|---|---|
| Physical dimensions | 385 x 315 x 52 mm (W x D x H) |
| Net weight | 1.78 kg |
| Colour | Schwarz |

### Environmental

| | |
|---|---|
| Operating temperature | -10 to +55ºC<br>14 to 131ºF |
| Relative humidity | 10 to 90% |

### Regulatory

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

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