# TVR-4116-2TEA

## TruVision™ DVR 41, 16 channel 2TB Digital Video Recorder

### Overview

TruVision™ DVR 41 (TVR 41) builds on its TVR 40 predecessor as a reliable and easy to use digital video recorder with 4, 8 or 16 analog video channel capabilities. It utilizes H.264 video compression technology to deliver real-time recording on each channel at 4CIF resolution.
For user-friendly operations, remote management and reliable, real-time recording, the TVR 41 represents a comprehensive solution that fits your needs as well as your budget.

### Remote operation and management

Additional to its local operations capabilities using HDMI, VGA or BNC outputs, the TVR 41 has a built-in multilingual web browser and access through mobile apps which allows you to stay connected remotely via web-enabled devices.
Login via your smart phone or tablet to monitor facilities, people or valuables, or configure, monitor and control the system remotely with TruVision Navigator.
TruVision Navigator allows the TVR 41 to integrate easily with existing systems and features a familiar, user-friendly interface.
Start-up wizards make installation and DDNS setup quick and simple.

### Storage and archiving capabilities

The TVR 41 allows you to use up to six embedded 2TB HDDs, totaling up to 12TB.
With features such as HDD mirroring, this reliable DVR ensures that vital recordings are preserved, even in the event of HDD failure.
Video can also be archived via CD, DVD, USB and eSATA devices using either the quick archive button on the unit's front panel, or the export features embedded in the OSD, web browser or TruVision Navigator.




### Details

- 4/8/16 channel real-time (25/30 fps) recording
- H.264 compression technology
- Start-up wizards for quick and easy installation, search and playback
- Four channel reverse video playback on OSD for efficient search operations
- HDMI, VGA & BNC video outputs
- Triple monitor support – Monitor A, B and spot monitor
- Up to 12TB of internal storage
- External storage or backup via eSATA
- Time lapse, event and alarm recording settings
- User friendly, icon based user interface
- E-mail notification including images or HTML links upon alarm or event
- PTZ control via mouse, front panel joystick, IR remote controller or KTD-405U/KTD-405-2DU keypad
- Camera to HDD assignment for HDD data grouping
- Redundant storage protects data in event of HDD failure
- Recording of second thin stream for low bandwidth remote operations
- Product compliant to the decree of August 3, 2007 defining the technical requirements of CCTV systems in France
- TVRmobile application for smart phones and tablets allows you to monitor your system from any location
- Fully compatible with TruVision Navigator 4.0 SP4 or higher

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## TruVision™ DVR 41, 16 channel 2TB Digital Video Recorder

## Technical specifications

### General

| | |
|---|---|
| Power supply: | 100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz |
| Consumption(without hard disk or DVD-R/W): | ≤35 W / ≤40 W / ≤45 W - respectively for 4/8/16 channel model |
| Working temperature: | -10 ºC ~ +55 ºC |
| Working humidity: | 10% ~ 90% |
| Chassis: | 19-inch rack-mounted 2U chassis |
| Dimensions(W × D × H): | 445 × 470 × 90 mm |
| Weight: | 8 kg (without hard disk or DVD-R/W) |

### Storage

| | |
|---|---|
| Storage capacity | 2 TB |

### Video/Audio input

| | |
|---|---|
| Video compression: | H.264 |
| Analog video input: | 4/8/16 channel, BNC, Vp-p, 75 Ohms, PAL / NTSC self-adaptive |
| Audio compression: | G722 |
| Audio input: | 4/8/16 channel, RCA, (2.0 Vp-p, 1 kOhm) |
| Two-way audio: | 1-ch, RCA ( 2.0 Vp-p, 1 kOhm ) |

### Video/Audio output

| | |
|---|---|
| HDMI output: | 1920 × 1080P / 60 Hz, 1920 × 1080P / 50 Hz,1600 × 1200 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |
| VGA output: | 1920 × 1080P / 60 Hz, 1600 × 1200 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |
| CVBS output: | 1-ch, BNC (1.0 Vp-p, 75 O), resolution: PAL: 704 × 576, NTSC: 704 × 480 |
| Video spot output: | 1-ch, BNC (1.0 Vp-p, 75 O), resolution: PAL: 704 × 576, NTSC: 704 × 480 |
| Video loop out: | 4/8/16 channel |
| Encoding resolution: | 4CIF / 2CIF / CIF / QCIF |
| Frame rate: | up to 25 fps (PAL) / 30 fps (NTSC) |
| Video bit rate: | 32 Kbps ~ 4096 Kbps, or user defined (Max. 4096 Kbps) |
| Audio output: | 2-ch, RCA |
| Audio bit rate: | 16 Kbps |
| Dual-stream: | Sub-stream at CIF/QCIF: 25 fps (PAL) / 30 fps (NTSC) |
| Stream type: | Video, Video & Audio |
| Playback resolution: | 4CIF / 2CIF / CIF / QCIF |
| Synchronous playback: | 4/8/16 channels |

### Hard disk

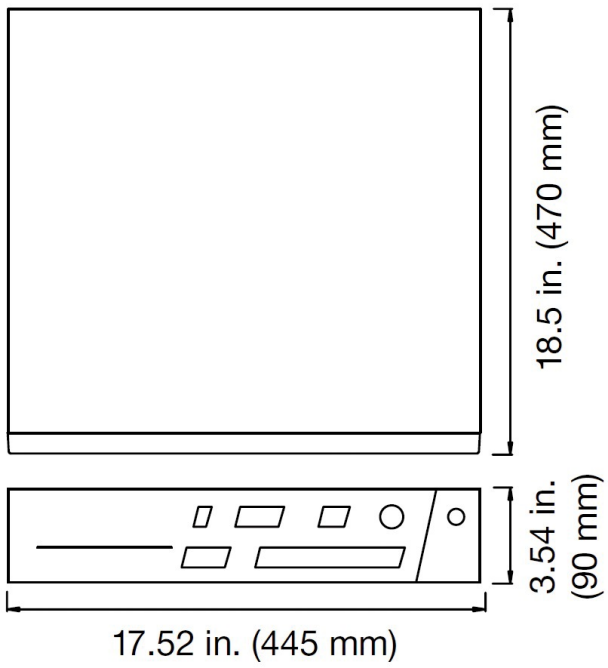
| | |
|---|---|
| Capacity: | 2TB capacity for each disk, up to 6 disks |
| eSATA: | 1 eSATA interface |

### External interface

| | |
|---|---|
| Network interface: | 1 RJ45 10M / 100M / 1000M Ethernet interface |
| Serial interface: | 1 RS-232 interface (for Probridge, Challenger, Technical Support ); 1 RS-485 interface (for PTZ control); 1 RS-485 keyboard interface (for KTD405 keyboard control) |
| USB interface: | 2, USB2.0 |
| Alarm in: | 16 |
| Alarm out: | 4 |

### Remote Viewing

| | |
|---|---|
| Web Browser: | Windows Internet Explorer version 6,7,8,and 9; Mozilla Firefox version 3.5 and above, Google Chrome version 8.0 and above |
| TruVision Navigator: | Version 4.0 Service Pack 4 and above |




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