truVision

# DVR 41
## H.264 Digital Video Recorder

**H.264** COMPRESSION | **12TB** MAX STORAGE | **4CIF** RESOLUTION | SMART SEARCH | **ezDDNS** | START-UP WIZARD

TEXT INSERT | QUICK ARCHIVE | truVision NAVIGATOR | truVision MOBILE | **3** year WARRANTY

## OVERVIEW

The TruVision™ DVR 41 (TVR 41) is a cost-effective, full-size digital video recorder with 8- or 16-channel capabilities. It utilizes H.264 video compression technology to deliver real-time recording per channel at an outstanding 4CIF resolution.

A built-in Web browser and access through mobile apps allow you to stay connected remotely via any Web-enabled device. Login via smart phone or tablet to configure, view, search, playback, archive and monitor facilities, people or valuables. Compatible with TruVision Navigator, the DVR 41 integrates easily with existing systems and features a familiar, user-friendly interface. Start-up Wizards make installation and DDNS setup quick and simple.

With an internal redundant storage feature, up to 12 TB of mirror data is stored on 6 HDDs so video recordings are never lost, even in event of HDD failure. Video can also be archived via CD, DVD, USB memory sticks and eSATA devices. For user-friendly, remote management and reliable, real-time recording, the DVR 41 represents a comprehensive solution to fit your needs and budget.
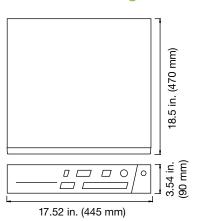
## STANDARD FEATURES

- H.264 compression technology and built-in CD/DVD burner
- 8- or 16-channel real-time recording at 4CIF resolution
- Mobile apps allow you to connected remotely via smart phone or tablet to keep an eye on facilities, people or valuables
- Redundant storage protects data in event of HDD failure
- Remote management allows you to login remotely to configure, view, search, playback, archive and monitor health
- Wizards for quick and easy installation, search and playback
- PTZ and dome camera control via mouse, front panel joystick and IR remote controller
- E-mail notification upon alarm with attached images
- Multiple monitor support
- Fully compatible with TruVision Navigator software
- Integrates easily with existing system
- Familiar, user-friendly interface
- Camera to HDD assignment for HDD data grouping
- Features up to 12 TB internal storage
- Time lapse, event and alarm recording settings
- One-channel reverse video playback for easy search of recorded video
- HDMI output for high-quality local viewing

# DVR 41
## H.264 Digital Video Recorder

## Specifications

| Model | | TVR4108 | TVR4116 |
|---|---|---|---|
| Video/Audio Input | Video Compression | H.264 | |
| | Analog Video Input | 8-channel, BNC, (1.0 Vp-p, 75 Ω), PAL/NTSC self-adaptive | 16-channel, BNC, (1.0 Vp-p, 75 Ω), PAL/NTSC self-adaptive |
| | Audio Compression | Ogg Vorbis | |
| | Audio Input | 8-channel, BNC, (2.0 Vp-p, 1 Ω) | 16-channel, BNC, (2.0 Vp-p, 1 Ω) |
| | Two-Way Audio | 1-ch, BNC (2.0 Vp-p, 1Ωk) | |
| Video/Audio Output | HDMI Output | 1-channel, resolution: 1920x1080P/60Hz, 1920x1080P/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz | |
| | VGA Output | 1-channel, resolution: 1920x1080P/60Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz | |
| | CVBS Output | 1-channel, BNC, (1.0 Vp-p, 75 Ω), resolution: PAL: 704x576, NTSC: 704x480 | |
| | Video Spot Output | 1-channel, BNC, (1.0 Vp-p, 75 Ω), resolution: PAL: 704x576, NTSC: 704x480 | |
| | Video Loop Out | 8-channel | 16-channel |
| | Encoding Resolution | 4CIF/2CIF/CIF/QCIF | |
| | Frame Rate | 25 fps (PAL)/30 fps (NTSC) | |
| | Video Bit Rate | 32Kbps ~ 4096 Kbps, or user-defined (Max. 4096 Kbps) | |
| | Audio Output | 2-channel, BNC (Linear, 600 Ω) | |
| | 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 | 8-channel | 16-channel |
| Hard Disk | SATA | 8 SATA interfaces | |
| | eSATA | 1 eSATA interface | |
| | Capacity | Up to 2TB capacity for each disk | |
| External Interface | Network Interface | 1 RJ45 10M/100M/1000M Ethernet Interface | |
| | Serial Interface | 1 RS-232 Interface (for Probidge, Challenger, Technical Support); 1 RS-485 interface (for PTZ control); 1 RS-485 keyboard interface (for KTD405 keyboard control) | |
| | USB Interface | 2, USB 2.0 | |
| | Alarm In | 16 | |
| | Alarm Out | 4 | |
| General | Power Supply | 100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz | |
| | Consumption (without hard disk or DVD-R/W) | ≤ 40 W | ≤ 45 W |
| | Working Temperature | 14º to 131ºF (-10º to 55ºC) | |
| | Working Humidity | 10% ~ 90% | |
| | Chassis | 19-inch, rack-mounted 2U chassis | |
| | Dimensions (W x D x H) | 17.52 x 18.5 x 3.54 in. (445 x 470 x 90mm) | |
| | Weight | ≤ 8 kg  (without hard disk or DVD-R/W) | |

## Dimensional Diagram

18.5 in. (470 mm)

3.54 in. (90 mm)

17.52 in. (445 mm)

## Ordering Information

| TVR-4108-2T | TruVision DVR 41, H.264, 8 ch, DVD/CD, 2 TB Storage |
|---|---|
| TVR-4108-4T | TruVision DVR 41, H.264, 8 ch, DVD/CD, 4 TB Storage |
| TVR-4116-2T | TruVision DVR 41, H.264, 16 ch, DVD/CD, 2 TB Storage |
| TVR-4116-4T | TruVision DVR 41, H.264, 16 ch, DVD/CD, 4 TB Storage |
| TVR-4116-8T | TruVision DVR 41, H.264, 16 ch, DVD/CD, 8 TB Storage |
| TVR-4116-12T | TruVision DVR 41, H.264, 16 ch, DVD/CD, 12 TB Storage |

## TruVision™ DVR 41 storage tables

### 16-Channel Models

| Storage | 30 Days | | | 60 Days | | | 90 Days | | |
|---|---|---|---|---|---|---|---|---|---|
| | CIF | 2CIF | 4CIF | CIF | 2CIF | 4CIF | CIF | 2CIF | 4CIF |
| 2TB HDD | 15 fps | 8 fps | 4 fps | 6 fps | 4 fps | 2 fps | 4 fps | 2 fps | 1 fps |
| 4TB HDD | 30 fps | 18 fps | 10 fps | 12 fps | 8 fps | 4 fps | 10 fps | 6 fps | 2 fps |
| 8TB HDD | 30 fps | 30 fps | 30 fps | 30 fps | 18 fps | 10 fps | 20 fps | 12 fps | 6 fps |
| 12TB HDD | 30 fps | 30 fps | 30 fps | 30 fps | 22 fps | 15 fps | 30 fps | 18 fps | 10 fps |

### 8-Channel Models

| Storage | 30 Days | | | 60 Days | | | 90 Days | | |
|---|---|---|---|---|---|---|---|---|---|
| | CIF | 2CIF | D1 | CIF | 2CIF | D1 | CIF | 2CIF | D1 |
| 2TB HDD | 30 fps | 18 fps | 10 fps | 15 fps | 8 fps | 4 fps | 10 fps | 6 fps | 2 fps |
| 4TB HDD | 30 fps | 30 fps | 22 fps | 30 fps | 18 fps | 10 fps | 20 fps | 12 fps | 6 fps |

Storage table assumes continuous recording for all cameras at highest quality setting in NTSC video format (with audio recording off). Actual storage and frames per second (fps) may vary by application, camera type, and environmental conditions.

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Specifications subject to change without notice.