

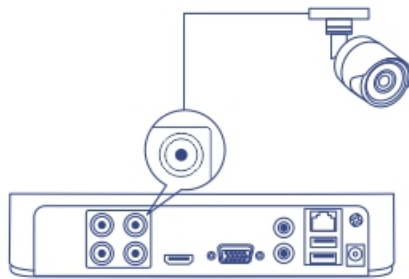
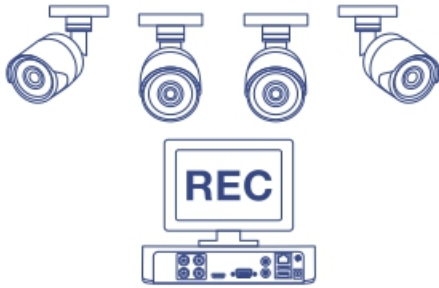


## 4-Channel HD CCTV DVR Surveillance Kit

TV-DVR104K (v1.0R)

- 4-Channel CCTV digital video recorder
- Pre-installed 1 TB SATA HDD
- Includes four outdoor ready HD cameras
- Plug and play up to 4 CCTV cameras
- Video recording supported up to 1080p HD
- One week of continuous recording

TRENDnet's 4-Channel HD CCTV DVR Surveillance Kit, model TV-DVR104K, offers a comprehensive video, storage, and management solution. The DVR kit comes with a pre-installed 1 TB hard drive plus four 1080p HD IR analog cameras, each with an IP66 outdoor weather rating. With a plug and play camera installation, the DVR is simple to use and conveniently powers all four cameras. Connect your TRENDnet DVR kit to your network for local and remote access to your surveillance system. Record one week of continuous video and utilize the advanced video playback features from the intuitive user interface.



### Standalone HD DVR

This standalone CCTV HD DVR includes a preinstalled 1 TB HDD that provides one week of continuous 1080p video recording for up to four CCTV cameras (display sold separately).

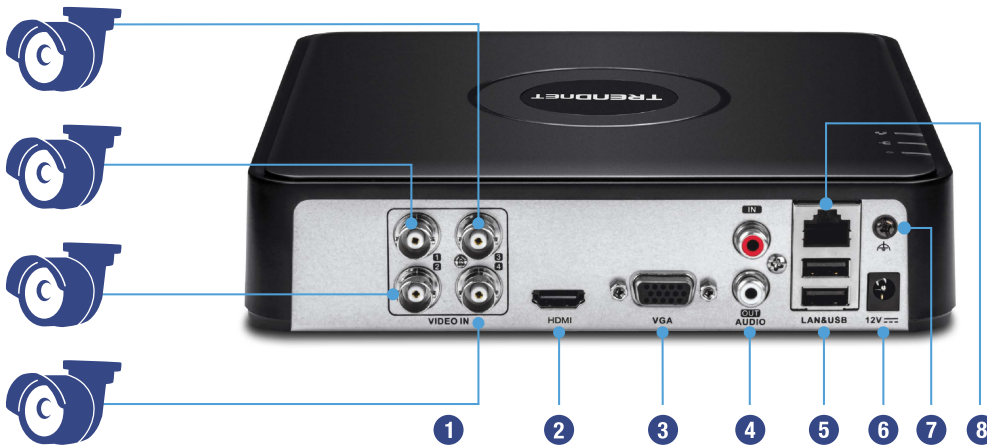
### Plug-and-Play Installation

The DVR auto-recognizes TRENDnet CCTV cameras – simply connect the included cameras and start recording surveillance video.

### Intuitive Interface

Users will find the management interface intuitive and easy to use – quickly navigate live view preferences, recording schedules, and advanced playback options.

## Networking Solution



- 1 BNC connectors
- 2 HDMI port
- 3 VGA port
- 4 Audio in / out port
- 5 USB ports
- 6 Power port
- 7 Grounding point
- 8 Network port

## TV-DVR104 Hardware



### BNC Connectors

Plug and play CCTV cameras to the four BNC connectors



### Storage Bay

Pre-installed 1 TB SATA hard drive



### Network Port

Ethernet network port for uplink connection to the internet for remote viewing



### Display Ports

HDMI and VGA display ports



### Audio Ports

Audio in and out ports



### USB Ports

One USB port for the included mouse and one for video exporting



### Recording Time

(A) One week of recording per camera: 4x cameras with continuous recording at 1920 x 1080 at 12 fps  
(B) 8.5 days of recording per camera: 4x cameras with continuous recording at 720p at 12 fps



### Scheduled Recording

Create weekly continuous and motion detection recording schedules for each camera with video overwrite when storage is full



### Advanced Playback

Advanced archived video playback with a quick reference timeline and calendar



### Video Export

Quickly export specific video recordings via the USB 2.0 port



### Dynamic DNS Support

Support for dyn.com and noip.com

## TV-DVR104 Management



### Mobile App

See live video on a mobile device with the free iOS® and Android™ apps



### Remote Access

Access the DVR over the internet



### Camera Setup

Auto-recognizes compatible TRENDnet CCTV cameras



### Live View

Single camera and quad-view modes with time adjustable auto-scan function



### Camera Management

For each camera, manage on screen display, image settings, motion detection, privacy masks, tamper detection, and video loss



### Video Recording

Record up to 1080p HD video at 12 fps

## DVR Camera Hardware



### Adjustable Bracket

Fully adjustable integrated mounting bracket provides installation flexibility



### Outdoor Ready

Outdoor IP66 weather rated and an operating temperature range of -40 ° – 60 °C (-40° – 140 °F)



### 2 Megapixel

Record 1920 x 1080 HD video at 12 fps



### Night Vision

Night vision up to 20 meters (66 ft.) in complete darkness



### Smart IR

Dynamic IR adjustment optimizes night visibility

## Specifications

### DVR Specifications

#### Video Input

- 4 channels
- Interface: BNC (1.0 Vp-p, 75 Ω)

#### Video Output

- HDMI and VGA display outputs
- Resolution: 1920 x 1080 (1080p), 1280 x 1024, 1280 x 720 (720p), 1024 x 768 @ 60 Hz
- Up to 12 fps on main stream, 22 fps on second stream

#### Audio

- Analog audio in / out, RCA (linear, 1 KΩ)
- Compression: G.711u

#### Storage

- One 3.5" SATA I/II HDD or SSD up to 6 TB storage

#### Network Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x

#### Device Interface

- 10/100 Mbps network port
- 2 x USB 2.0 ports
- 4 x BNC connectors
- 1 x 1TB HDD (pre-installed)
- HDMI port
- VGA port
- Analog audio in port
- Analog audio out port
- Power port
- LED indicators (Power, Storage, and Network)
- Grounding point

#### Network Protocol

- IPv4, IPv6, UDP, TCP, ICMP
- DHCP, NTP, DNS, DDNS, SMTP, FTP
- HTTP, UPnP, RTSP, RTP, RTCP

#### Power

- Input: 100 – 240 V AC, 50 / 60 Hz, 0.7 A
- Output: 12 V DC, 1.5 A
- Consumption: 8 W max.

#### Operating Temperature

- -10 - 55 °C (14 - 131 °F)

#### Operating Humidity

- Max. 90% non-condensing

### Certifications

- CE
- FCC

### Dimensions

- 200 x 200 x 45 mm (7.9 x 7.9 x 1.8 in.)

### Weight

- 0.8 kg (1.8 lb.)

### Management Interface

- Live view: Single camera or quad-view
- Camera management :
  - On screen display: camera name, date, week, and date format
  - Image quality: brightness, contrast, saturation, hue, mirror
  - PTZ: pan, tilt, zoom, focus, iris, preset points, pattern, cruise, patrol
  - Motion detection: define custom motion detection areas, motion sensitivity, and triggering channels
  - Privacy masks: define custom privacy mask areas
  - Video tamper detection: trigger actions if the viewing field darkens suddenly
- Scheduled recording: continuous and motion detection
- Video recording: Record up to 1080p HD video
- Holiday scheduling for custom recording schedules during observed holidays
- Advanced playback: playback multiple channels simultaneously and search video recordings with special event or tag
- Video export: tag, cut, and export video clips
- Local live view settings: define screen layout and channel viewing sequence
- Alert messages: storage full, storage error, network disconnected, IP conflict, illegal login, and recording exceptions
- Supported dynamic DNS services: Dyn.com and NO-IP.com
- Management Setting: maximum 32 user accounts

### Remote Viewing and Management

- User interface compatible with Internet Explorer® 9.0 or higher, Firefox® 13.0 or higher, Safari® 4.0 or higher

### Warranty

- 2 year
- Hard Drive: manufacturer warranty

### Camera Specifications

#### Lens

- Focal Length: 3.6 mm
- Sensor: 1/2.7" CMOS sensor

#### Viewing Angle

- 82.2°

#### Minimum Illumination

- IR off: 0.01 lux
- IR on: 0 lux
- 20 m distance
- IR wavelength : 850 nm

#### H.264 Resolution

- Main stream: 1920 x 1080 up to 12 fps
- Sub stream: 960 x 576 up to 22 fps

#### Device Interface

- IR LEDs
- BNC connectors
- Power jack

#### Housing

- IP66 rated

#### Dimension

- 70 x 70 x 154 mm (2.75 x 2.75 x 6 in.)

#### Weight

- 300 g (0.7 lbs.)

#### Operating Temperature

- -40 – 60 °C (-40 – 140 °F)

#### Humidity

- Max. 90% non-condensing

#### Power

- Input: 100 - 240 V AC , 50 / 60 Hz, 0.7 A
- Output: 12 V DC, 2 A external power adapter
- Consumption: 4 W max.

#### Warranty

- 2 year

#### Package Contents

- TV-DVR104
- 4 x AC100
- 4 x BNC / power cables (60 ft.)
- 1 x 1TB HDD
- 1 x Camera power splitter cable
- Network cable (1.8 m / 6 ft.)
- HDMI cable
- Optical mouse
- CD-ROM (Utility / User's Guide)
- Quick Installation Guide
- Power adapter for DVR (12 V DC, 1.5 A)
- Power adapter for cameras (12 V DC, 2 A)

