



# TT DVR Technical Manual

## TT-DVR7000HE Series Network DVR

TT-DVR7000HE series network digital video recorder is the 3<sup>rd</sup> generation excellent digital surveillance product. It uses the Real Time OS and embedded MCU. It supports both features of digital videorecorder (DVR) and digital video server (DVS). It can work stand-alone or be used to build a powerful network, widely used in surveillance fields.



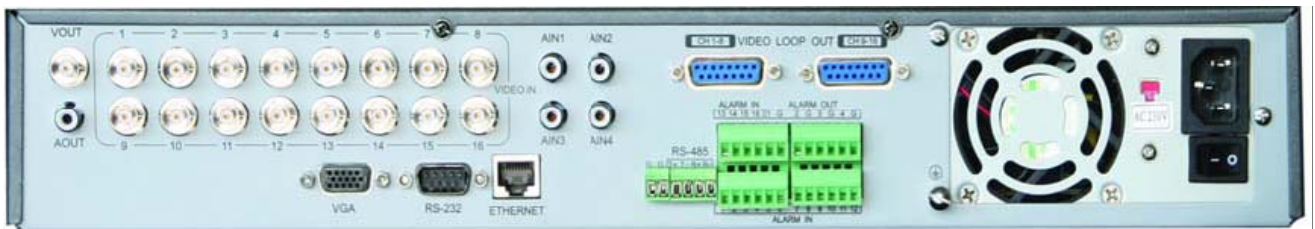
TT-DVR7000HE Series DVR Front Panel



TT-DVR7004HE Rear Panel



TT-DVR7008HE Front Panel



TT-DVR7016HE Rear Panel

### Model name:

**TT-DVR7004HE:** 4-ch video & audio input and 4-ch video loop output. All video channels can support real time encode at CIF resolution, total frame is 100FPS (PAL) or 120FPS (NTSC)

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<http://www.camera-dvr.com> [www.cctv-camera.cc](http://www.cctv-camera.cc) E-mail: [ttexport@cctv-camera.cc](mailto:ttexport@cctv-camera.cc) [info@cctv-camera.cc](mailto:info@cctv-camera.cc)

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**TT-DVR7008HE:** 8-ch video input and 8-ch video loop output, **no audio input**. Total frame is 200FPS (PAL) or 240FPS (NTSC) at CIF resolution.

**TT-DVR7016HE:** 16-ch video input and 16-ch video loop output, 4-ch audio input. Total frame is 400FPS (PAL) or 480FPS (NTSC) at CIF resolution.

**Note: The defaulted DVRs are without HDD and CD-R/W.**

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## Features:

### Main features:

- Real Time OS.
- Embedded MCU.
- High performance DSP hardware compression.

### Compression function:

- H.264 video compression algorithm.
- For TT-DVR704HE, each channel can be real time (PAL is 25FPS and NTSC is 30FPS) at CIF resolution.
- For TT-DVR708HE, total frame is 100FPS (PAL) or 120 FPS (NTSC) at CIF resolution.
- For TT-DVR7016HE, total frame is 200FPS (PAL) or 240 FPS (NTSC) at CIF resolution.
- Support multi-zone motion detection.
- Support mask function to mask sensitive area.
- Support view tampering alarm function for spiteful camera block.
- Support video signal loss alarm function.
- Support position configurable OSD&LOGO.
- Support both constant bit rate and variable frame rate.

### Storage function:

- For TT-DVR7000HE, support 4 HDD or 2 HDD and 1 IDE CD-RW/DVD-RW, and each HDD can maximum support 2000GB.
- Support HDD sleep mode.
- Support HDD S.M.A.R.T function.
- Support FAT32 file system.
- Support many record mode: all time record, motion detect record, external alarm record, motion & alarm record, motion | alarm record, manual record.
- Support cycle and non-cycle record mode.
- Support USB flash disk, USB hard disk and USB CD-RW/DVD-RW for backup.

### Preview & Playback function:

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Support monitor video output.

Support VGA output.

Support playback fast, slow, pause, forward, backward, frame by frame, etc.

Use define preview layout.

Support one channel playback

## **Network function:**

Support TCP, UTP, RTP, Multicast, DHCP, etc.

Support ADSL (PPPoE) dialup function.

Support narrow band (PSTN) dialup function.

Remote parameters setup.

Remote playback, download the recorded files in DVR.

Remote upgrade DVR firmware.

Remote control PTZ.

Support Internet Explore for network preview.

Remote get alarm information of DVR.

## **Others:**

Support PTZ local and remote control.

Support multi-lever user management.

Support local and remote search log function.

Automatically recovery from exceptions leads to high reliable.

Provide SDK and demo source code to shorten the application development time.

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