



**DT-5504B/08B/16B**



#### Main features

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

#### Compression function

- H.264 video compression algorithm and each channel can be real time (PAL is 25FPS and NTSC is 30FPS).
- Multi-zone motion detection.
- Mask function to mask sensitive area.
- View tampering alarm function for spiteful camera block.
- Video signal loss alarm function.
- Position configurable OSD&LOGO.
- Variable bit rate and variable frame rate.
- Dual-stream and the sub stream can support CIF/QCIF compression resolution

#### Storage function

- 8 SATA interfaces maximum, can support 8 SATA HDD and each HDD can max support 2000GB. HDD sleep mode.
- HDD S.M.A.R.T function.
- 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-R/W for backup.

**Units Are Supplied Without HDD and CD/RW**

#### General Information

**DT-5504B: 4-ch video input and 4-ch audio input. Each port can support CIF resolution real time. There are 4 SATA interfaces.**

**DT-5508B: 8-ch video input and 8-ch audio input. Each port can support CIF resolution real time. There are 8 SATA interfaces.**

**DT-5516B: 16-ch video input and 16-ch audio input. Each port can support CIF resolution real time. There are 8 SATA interfaces.**

#### Preview & Playback function

- Support one main monitor and VGA.
- Support one spot monitor for preview and playback.
- Support 2-channel synchronous playback.
- Support playback fast, slow, pause, forward, backward, frame by frame, etc.
- Use define preview layout.

#### Network function

- TCP, UTP, RTP, Multicast, DHCP, etc.
- ADSL (PPPoE) dialup function.
- 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 Explorer for network preview.
- Remote get alarm information of DVR.

#### Additional Features

- Network voice talk.
- PTZ local and remote control.
- Multi-level user management.
- 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.

**[www.techniquedata.com](http://www.techniquedata.com)**

## Specification

Model name	DT-5504B	DT-5508B	DT-5512B	DT-5516B
Video compression	H.264			
Preview resolution	4CIF real time (PAL: 704*576, NTSC: 704*480)			
Playback resolution	CIF/QCIF real time			
Video input	4	8	12	16
	BNC (1.0Vp-p, 75Ω)			
Main video output	1 channel, BNC (1.0Vp-p, 75Ω)			
Aux video output	--	1 channel, BNC (1.0Vp-p, 75Ω)		
Frame rate	PAL: 1/16—25FPS, NTSC: 1/16—30FPS			
Stream type	Video/ Video&Audio			
Max bit rate	32Kbps--2Mbps, self-define			
Audio input	4	8	12	16
	BNC (2.0Vp-p, 1kΩ)			
Main audio output	1 channel, BNC (Linear Electrical Level, 600 Ω)			
Aux audio output	--	1 channel, BNC (Linear Electrical Level, 600 Ω)		
Audio compression	OggVorbis, 16Kbps			
Voice talk	1 channel, BNC (Linear Electrical Level, 1K Ω)			
Communication interface	1 RJ45 10M/100M Self-adaptive Ethernet Interface 1 RJ45 RS232 Port			
RS-485 Port	1 Port (T+, T-, R+, R-)			
Keyboard interface	1 Port (D+, D-)			
SATA interface	4	8	8	8
USB interface	1 USB interface, USB1.1, can support USB flash memory, USB HDD and USB CD-R/W			
VGA interface	1 VGA interface, support resolution: 800×600/60Hz, 800×600/75Hz, 1024×768/60Hz			
External alarm in	4	16	16	16
Relay output	2	4	4	4
Power supply	100~240VAC, 6.3A, 50~60Hz			
Power consumption	20—42W (without HDD and CD-R/W)			
Working temperature	-10℃-- +55℃			
Working humidity	10%--90%			
Size	19" Standard (450mm*450mm*95mm)			
Weight	≤8Kg (without HDD and CD-R/W)			