MPEG4 8 Channel Stand-Alone DVR

Model No.: TT-DVR6508

Product Functions/ Features

● High speed embedded CPU and real time embedded control operation system are adapted with the product, it provide operation stability, no hang-up error, more reliability and easy for maintain

● Operation with front panel and remote control, menu language also available for English/ Chinese (Simplified)/ Chinese (Traditional), security with double password lock. System management require for authority code in order to provide safety system

● Using with hardware ADPCM encode to provide better streaming quality, it also support with D1, 1/2D1, CIF resolution, as well as adjustable frame rate and provide space efficiency with compact video size

● Storage used with FAT32 format, suitable for 8 IDE hard drive connections(Without DVR RW function; 4 IDE hard drive connections with DVD RW function), there are 3 types of store method can use in here: individual, compound and mixed

● Provide multi-channels operation, such as:
  - 8channels video input capture
  - 2 channel video (monitor and reply)
  - 1 channel VGA output
  - 8 channels audio input
  - 2 channels audio (monitor and reply) output

● 8 channels alarm input with programmable setting

- With kinds of surveillance display screen (1/4/8 windows per screen) and each individual display screen with audio surveillance function
- Time setting to activate recording system with auto switching, system re-activate after power shut down. Alert system for any video signal loss or disturb
- Available for manual, time setting, alert playing, this will make the unit more effectively and hard space efficiency. Also for the motion detect function available with setting for 8X12(96) detect region area, with adjustable sensitivity detect level
- Pre-setting record function and extend alert function, in order to ensure alert information 100% capture with user requirement
- Available for x2 and x4 fast forward/ backward function and slow motion rate at x1/2, x1/4 and x1/8 as well as pause and frame-by-frame function
- PAL/ NTSC system available
- Individual setting for each capture channel for brightness, contrast, color, motion detect setting
- Complete daily report for alarm record and operation record, good for monitor record and analysis
- RJ-45 network inlet/ outlet available for the internet function for ADSL, ISDN, intranet, etc, setting with local IP and hosting address
- Using IE browser for internet explorer / Client Software
- RS-485 connection for the platform decoder, available for difference frequency setting and decoder parameter, as well as extendable function for the decode function
- VGA output provide better video quality and progressive scan option as well
- Support Compact Flash card storage and IBM Microdrive disk
- Upgradeable with latest firmware and backup file system provide reliable storage solution
- USB 2.0 interface provide high speed data transfer via PC
- With DVD-RW Backup function (Optional)

Technical specification data

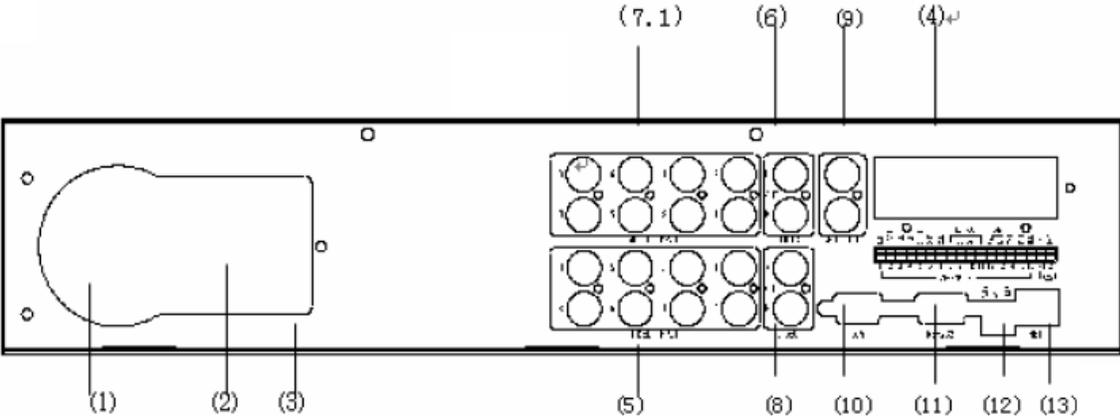| Item	Parameter	Specification / Details		
System	UI Language	English/Chinese (other language can add per customer request)		
	User Interface	GUI(Graphic User Interface)(OSD menu)		
	Password level	multi-user level at different access password		
Video	Video Input	8 channels individual input with 1.0Vp-p, 75Ω BNC		
	Video Output	2 PAL/NTSC output with 1.0Vp-p, 75Ω BNC; composite video signal 1 VGA output (spot monitor/operation monitor)		
	Video Display	1/4/8 windows per screen		
	Video Standard	PAL: 25 frames per second CCIR: 625 lines 50 Hz NTSC: 30 frames per second CCIR: 525 lines 60 Hz		
	System Resource	Real time recording with playback and surveillance Online real time surveillance		
Audio	Audio Input	8 channel input		
	Audio Output	2 channel output (Stereo)		
	Basic output	1.0—2.2V		
	S/N	≤-30dB		
	Recording Format	Synchronous with video		
	Compression	ADPCM		
Digital Processing/ Storage	Encoding	MPEG-4 Variable Bit Rate(VBR) \ Constant Bit Rate (CBR)		
	Image Format	CIF: 352 x288 pixels (PAL) 360 x240 pixels (NTSC)	1/2D1: 704x288 pixels (PAL) 720x240 pixels (NTSC)	D1: 704x576 pixels (PAL) 720 x480pixels (NTSC)
	Video Standard	ISO14496		
	Audio Standard	ADPCM		
	Video Freq.	12.5K-93.75Kbyte/s	25K-175Kbyte/s	25K-250Kbyte/s
	Audio Freq.	4Kbyte/s		
	Audio Size Rate	14.4Kbyte/s		
	Video Size Rate	45M-337.5Mbyte/hour	90M-630Mbyte/hour	90M-900Mbyte/hour
	Storage	8 IDE hard disk, support 300G or larger (Without DVD RW function) 4 IDE hard disk (With DVD RW function)		
	Image Quality	8 Adjustable levels		
	Max Frame Rate	25 FPS/ channel	12.5 FPS / channel	6.25 FPS / channel
	Resolution	Playback 352x288 pixels. Real time704x576 pixels. VGA output 720x576 pixels,	Playback704x288 pixels Real time704x576 pixels. VGA output 720x576 pixels	Playback704x576 pixels Real time704x576 pixels. VGA output 720x576 pixels
	Data capture	Bi-directional		
Alarm	Motion Detect	Individual setting with each channel, with 192 detect region for each channel and adjustable motion sensitivity from1-8		

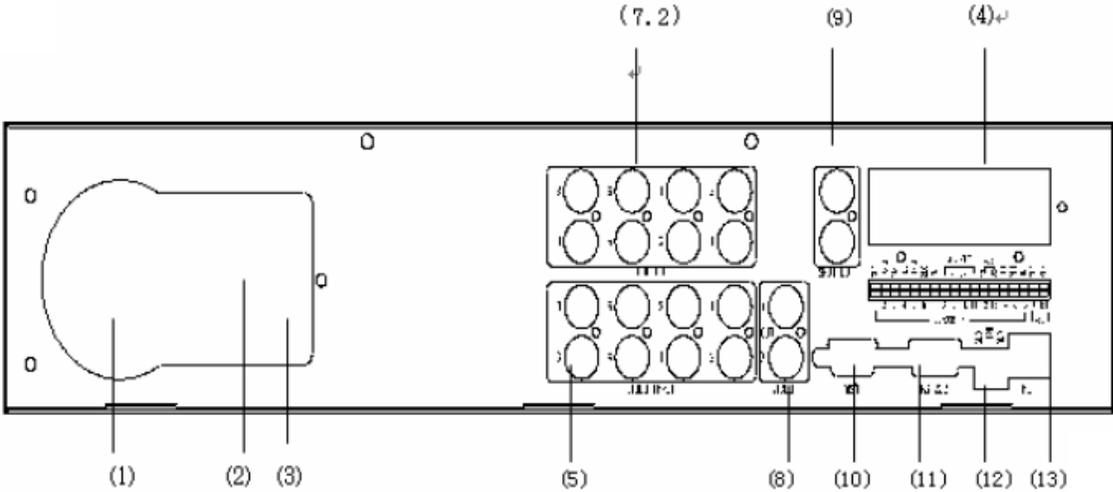|			
	Input	8 Individual input channels ; 4 High / Low Input	
	Output	6 individual alarm output （4 voltage output, 2 Open/Close switch with output at 24VDC/12VAC, 1A）1Channel for Power malfunction alarm, 1Channel for others malfunction alarm.	
	Alarm mode	Open / Close	
Com port	Serial Port	RS485, extendable with external modem	
	Serial Port	RS232, common serial port	
	Network port	RJ-45	10M/100M broadband port
	Internet Protocol	Support TCP/IP, UDP/IP	
	Transfer mode	Dial-up, ADSL, ISDN, internet, intranet	
	Brower	IE browser/Client Software Provided	
Others	Power	AC 220V(±20%)　50Hz(±2%） Output: 12V DC 5A	
	Consumption	35W（without hard disk）	
	Working Temperature	0~50℃	
	Working Humidity	≤80%	
	Mechanical Dimension	440(L) × 90(W) × 420(H)mm	
	Weight	14KG（With hard disk）	
	Clock	Build-in system clock and calendar	

Panel Layout (Front Panel):

Panel Layout (Back Panel):

Picture I: Audio Output Type (Model No.: TT-DVR6508T-A-8E)

Picture 2: Loop Output Type (Model No.: TT-DVR6508T-L-8E)

Specifications：

⑴ **Fan**

⑵ **Electronic Outlet：AC220V power supply input**

⑶ **Power Switch：System power**

⑷ **I/O Connection：Alarm input\output\RS-485 (More specifications please refer to page11 of Users' Manual)**

(5) **VIDEO INPUT：1～8CH（6508）Video signal input**

(6) **AUDIO OUT：2 channels audio signal output**

(7) **Rear Panel**

(7.1) Audio Input of Audio Output Rear Panel： 1～8 Channel（6508）audio input

(7.2) Loop Out of Loop Output Rear Panel： 1 ～8 Channel （ 6508 ）Video signal loop output（Corresponding to 1～8CH video signal output);

Function：8Channel（6508）Single channel monitoring output (Port: Loop Out)

Specifications ： Each interface can connect with one monitor individually, and display individually. For example, VIDEO OUTPUT 2 connect with one single monitor, it can be displayed the 2CH real-time monitoring.

(8) **VIDEO OUT A/B：2CH Video output；**

(9) **SPOT OUT：Single channel loop output, full real-time display, no picture envelop, support display Channel name and time.**

Function： 2 channels loop output (Interface: SPOT OUT)

Specification：Each interface can connect with one monitor individually, single channel loop monitoring 8CH. For example, SPOT OUT connect with one single monitor, it will display full real-time monitoring picture of 8 channels.

(10) **VGA：Computer analogue output interface**

(11) **RS-232：Standard RS-232 serial interface**

(12) **GND +12V GND: DC12V Power supply output interface**

(13) **NET：Internet interface (RJ45)。**