

## Product Features :

- Adopt standard H.264 format.
- Support max 4 x SATA HDD. If 2x300G driver installed, it will record one month at CIF 240fps
- Pentaplex: Preview, recording, playback, backup and network surveillance simultaneously
- Support full mouse control
- Support VGA output
- Network protocol: TCP/IP, DHCP, DDNS, PPPoE
- Support dual stream. Recording and network bit rate are adjustable respectively. Depending on the bandwidth, users can adjust the transmission bit rate, not affecting the recording picture quality and frame rate
- Support mobile surveillance by phones with WinCE and 3G.
- Adopt standard FAT32 file system, compatible with computers
- Support AVI converter
- Support CMS software for multi devices central management



## Video :

Compression Format: H.264  
 Video Output: S-Video x 1 , BNC x 2 ,VGA x 1  
 Input channels: 16CH  
 Input Level: 1.0Vp-p +/- 10% Composite, 75Ω Balanced BNCx8  
 Video Standard: Auto / NTSC / PAL  
 Main TV Out: 1.0Vp-p Composite, 75 Ohms Balanced  
 Screen Split Control: 1-16 Screen  
 Screen Rotation: 1~9 sec.

Display:	Resolution:	NTSC:	720(H) X 480(V)		
		PAL:	720(H) X 576(V)		
	Speed:	NTSC	Live	480FPS	
		PAL	Live	480FPS	
Function:	Auto Sequence Screen Split, PIP				

## Audio :

Audio In/Out: 16CH/1CH  
 Input Level: -8dB~22K, RCA x 16  
 Output Level: -8dB~92K, RCA x 1

## Recording :

Compression: MPEG4

Resolution:	NTSC:	704(H) x 480(V), 352(H) x 240(V)	
	PAL:	704(H) x 576(V), 352(H) x 288(V)	
Speed:	NTSC:	352 x 240	Max 480 FPS
		704 x 480	Max 120 FPS
	PAL:	352 x 288	Max 400 FPS
		704 x 576	Max 100 FPS

Data Size: 2~5KB(CIF)

Mode: Continuous, Schedule, Motion Detection, Sensor, Manual, Alarm

HDD:	Internal Storage	Max. 4HDD
	Speed	5400RPM , 7200RPM

**Searching & Playback :**

Searching Method: Time, Event, File

**Remote Surveillance :**

Monitoring Environment: Client Software, Web Browser

**Alarm :**

Alarm Input: NO or NC 16CH  
Alarm Output: 4 CH  
Motion Detection: Available for each camera multi detection level

**Connector :**

Video Input: BNC 16 Ports  
Main Monitor Output: BNC 1 Port  
Spot Monitor Output: BNC 1 Port  
S-Video (Main TV): BNC 1 Port (4 pins mini DIN)  
VGA Output: BNC 1 Port (15 pins female DSUB)  
Audio Input (Mono): RCA 16 Audio Jack (Live Only)  
Audio Output (Mono): RCA 1 port  
External Control (RS232C): OK  
Firmware Upgrade: USB 2.0  
External Control : Terminal Block / RS232 / PS/2  
Sensor Input: Terminal Block / 16 ports  
Alarm Output: COM X 4, NO X 4, NC X 4, GND X 1, +5V X 1  
PTZ (RS 485): 2 Pins Terminal Block  
Ethernet: RJ-45, 10/100Mbps  
USB 2.0: 2 Ports ( 1XBACKUP, 1XMOUSE)  
Loopout: 2 x 8CH

**Electrical :**

Power Source: 115~230VAC (50~60Hz)

**Backup:**

Digital Backup: Network, External CD/DVD RAM, USB Storage  
External CD/ DVD RW: USB 2.0  
Hard Disk Info: SATA x 3+DVD-RW x 1

**Others:**

OS: Embedded Linux  
DVR operation: Pentaplex  
Control Device: Front Key, Remote Controller  
PTZF: by Menu  
OSD Language: Multiple  
Dimension: 295mm(W) x 75mm(H) x 215mm(D)