

## FEATURES

### General:

- ❖ MPEG-4 real time compression format
- ❖ High resolution recording :  
Frame: 720 × 480 pixels with 120 IPS (NTSC) / 720 × 576 pixels with 100 IPS (PAL)  
CIF: 352 × 240 pixels with 480 IPS (NTSC) / 352 × 288 pixels with 400 IPS (PAL)
- ❖ 2 HDD bases built-in, each can support more than 400GB
- ❖ Record audio with 4ch in and 2ch out
- ❖ Image quality setting: Best, High, Normal and Basic
- ❖ Support PELCO-D protocol
- ❖ System auto recovery after power reconnected
- ❖ Web function supports MJPEG compression format for transmitting over the internet
- ❖ Support TCP/IP, PPPoE, DHCP and DDNS network connection

### Operation:

- ❖ Pentaplex functions (live display, record, playback, backup, and network)
- ❖ Support manual / timer / motion / alarm / remote recording functions
- ❖ Support covert screen for live view channels
- ❖ Watermark function ensures authentication of recorded images
- ❖ Support daylight saving function
- ❖ Easy system upgrade via USB
- ❖ Easy file backup methods with USB, DVD R/W or CD R/W and network remote recording backup
- ❖ IR remote control of the system and PTZ through RS-485

### Events:

- ❖ Advanced motion detection function (4 different adjustable factors of motion detection sensitivity) and convenient search function.
- ❖ Alarm trigger recording will send alert with images to designated e-mail and FTP address
- ❖ Supports pre-alarm recording (8MB).

### Network Viewing:

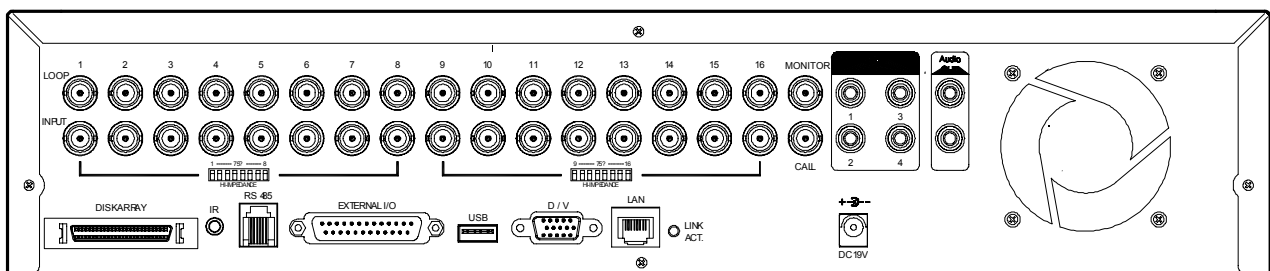
- ❖ Remote surveillance on mobile phone via 3G & GPRS or on PC through internet connection
- ❖ Web surveillance supports multiple viewers simultaneously (up to 5 users)

### External Device:

- ❖ Extensive recording time by connected to Independent Disk Array.
- ❖ Optional: Independent disk array; VGA connector



## REAR PANEL



## SPECIFICATION

SPECIFICATION	<b>HS787D,787C</b>
Video System	NTSC / PAL (switch able)
Video Compression Format	MPEG 4
Video Input	Composite video signal 1 Vp-p 75Ω BNC
Video Output	Main Monitor Output: Composite video signal 1 Vp-p 75Ω BNC Call Monitor Output: Composite video signal 1 Vp-p 75Ω BNC
Video Loop Out	Composite video signal 1 Vp-p 75Ω BNC

<b>SPECIFICATION</b>	<b>HS787D,787C</b>
Maximum Recording Rate	Frame: 720 × 480 pixels with 120 IPS <NTSC> / 720 × 576 pixels with 100 IPS <PAL> CIF: 352 × 240 pixels with 480 IPS <NTSC> / 352 × 288 pixels with 400 IPS <PAL>
Adjustable Recording Speed	Frame: 120, 60, 30, 15 IPS <NTSC> / 100, 50, 25, 12 IPS <PAL> CIF: 480, 240, 120, 60 IPS <NTSC> / 400, 200, 100, 50 IPS <PAL>
Image Quality Setting	Best, High, Normal, and Basic
Hard Disk Storage	IDE type, ATA66, supported HDD * 2, support each HDD capacity over 400GB
HDD Quick Cleaning	Quick clean up the "index system" of the recorded files. 250GB under 2 seconds
Recording Mode	Manual / Timer / Motion / Alarm
Watermark	Yes
Refresh Rate	480 IPS for NTSC / 400 IPS for PAL
Pentaplex Operation	Pentaplex functions (live display, record, playback, backup, and network)
Audio I/O	4 audio inputs, 2 audio outputs (Mono)
Motion Detection Area	16 × 12 grids per camera for all channels
Motion Detect Sensitivity	4 adjustable variable with precise calculation for motion detection
Pre-alarm Recording	Yes (8 MB)
Backup Device	USB1.1 backup and network remote recording backup
USB Interface	Support two USB 1.1 ports (front panel * 1, back panel * 1)
Web Transmitting Compression Format	Motion JPEG
Ethernet	10/100 Base-T. Support remote control and live view via Ethernet
Mobile Surveillance	Support 3G & GPRS to access the system via mobile phone (require J2ME, MIDP2.0 protocol)
Web Interface	Support licensed software AP, and IE browser
Remote Alarm Notification	E-mail images, and images uploading to FTP site's specific account
Network Protocol	TCP/IP, PPPoE, DHCP and DDNS
Remote Control	Remote control DVR and PTZ via IR transmitter (RS-485)
PTZ control	Support PELCO-D protocol
Dwell Time (Sequential Channel Switch)	Programmable with adjustable dwell time
Alarm I/O	16 inputs, 1 output
Picture Zoom	Support 2X digital zoom function
Key Lock	Yes
Video Loss Detection	Yes
Camera Title	Support up to 6 letters
Video Adjustable	Hue / Color / Contrast / Brightness
Date Display Format	YY/MM/DD, DD/MM/YY, MM/DD/YY, and Off
Daylight Saving	Yes
Power Source	DC 19V
Power Consumption	< 64 W
Operating Temperature	10°C ~ 40°C (50°F~104°F)
Dimensions (mm)	432mm (W) × 90mm (H) × 326mm (D)
System Recovery	System auto recovery after power reconnected
<b>Optional Peripherals</b>	<b>Independent disk array; VGA connector</b>