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**AVTECH**  
Authorized Distributor

## FEATURES

### MPEG4 DVR Technology:

? Compression format providing crystal clear images with real time performance.

### Multiplex:

? Allow live display, record, playback, backup and network operation at the same time.

### Long-Recording Hours:

? Support 2 HDD base built-in, for 500GB can record more than 4 days. (16CH, Frame Best Quality, 120IPS)  
? Connect to Independent Disk Array (optional) to have more storage capacity

### Backup Function:

? Support file backup with USB flash drives , network remote recording & backup and CD-Writer

### Remote Surveillance:

? Remote surveillance with the licensed software AP and IE browser  
? Web surveillance supports 5 users simultaneously

### Intelligent Motion Trigger Recording:

? With advanced settings for motion detection, scheduled motion detection recording (4 different adjustable factors for the motion detection sensitivity) and convenient search function, customized security environment is achieved.  
? Alarm triggered recording will send alerts with images to the designated e-mails and FTP address  
? Support pre-alarm recording (8MB)

### Covert Recording:

? A mask replaces the live image with a blank screen, and the monitor shows nothing but recording is still on.

### A/V Support:

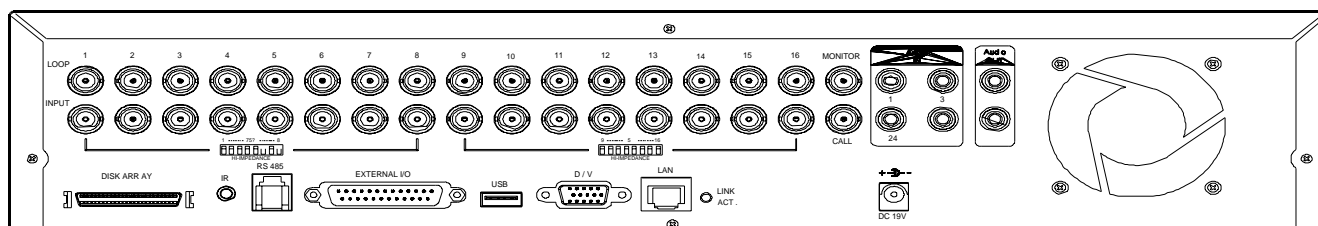
? Supports 4 audio-in, 2 audio-out to record sounds  
? Supports VGA output to monitor (optional)

### General:

? Support multi-language OSD  
? System auto recovery after power reconnected  
? IR remote control for the system and PTZ cameras through RS-485  
? Support daylight saving function  
? Support manual / timer / motion / alarm / remote recording functions  
? Watermark function ensures authentication of recorded images



## REAR PANEL



# SPECIFICATION

SPECIFICATION	AVC787C
Video System	NTSC / PAL (switchable) MPEG-4
Video Input / Video Loop Out	16 Channels. 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
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 / Remote
Refresh Rate	480 IPS for NTSC / 400 IPS for PAL
Multiplex Operation	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 variables with precise calculation for motion detection
Pre-alarm Recording	Yes (8MB)
USB Interface	Support USB 1.1/ 2.0 flash drives (front panel × 1, back panel × 1)
Backup Device	USB1.1 / 2.0 flash drives , network remote , CD-Writer
Web Transmitting / Compression Format	Motion JPEG
Ethernet	10/100 Base-T. Support remote control and live view via Ethernet.
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 Connection	TCP/IP, PPPoE, DHCP and DDNS
Remote Control	Remotely control DVR and PTZ cameras 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 / 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
Power Source	DC 19V ( Daylight Saving )
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
Optional Peripherals	Independent disk array; VGA converter

\* The specification is subject to change without notice.