

## 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).

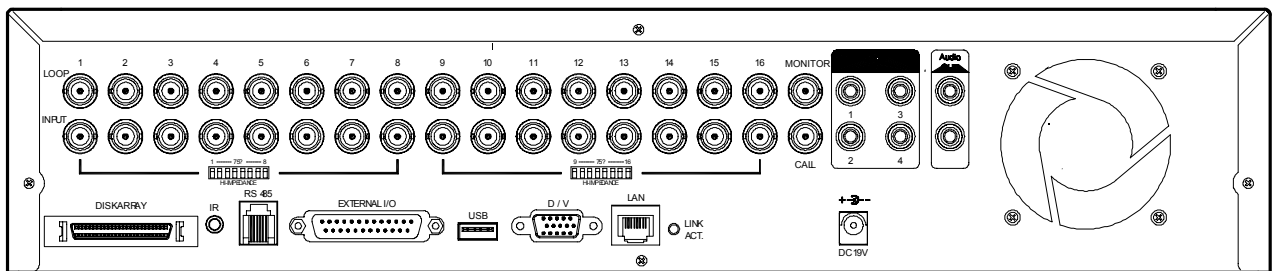
### Network Viewing:

- ❖ 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	AVC787D,787C
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>AVC787D,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>

# AVC787



## 16-CH MPEG-4 DVR

### Real Time Performance~ 480 IPS (NTSC) / 400 IPS (PAL)

AV TECH is proud to lead you to the new era of Digital Video Recorder with our outstanding product ~ AVC787, 16 CH MPEG-4 real time Digital Video Recorder. We're sure that with this powerful unit, you can become the leader in your sales region to provide this 16 CH MPEG-4 DVR.

It is the best digital product that will make you to have big profit in the currently price competitive market.

We also offer the best price / performance product to you. We strongly believe that this pricing is unrivaled in the market. All the benefits of this product are created to secure your life, every time and everywhere.

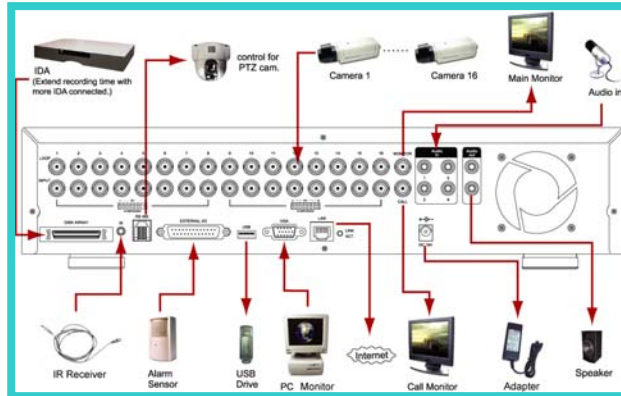


## FEATURES

- MPEG-4 real time compression format
- High resolution recording (For 16 channels):  
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 >
- Image quality setting: Best, High, Normal, and Basic
- Extensive recording time by connected to Independent Disk Array.
- Remote surveillance on mobile phone via GPRS, or on PC through internet connection
- Easy file backup methods with USB, and network remote recording backup
- Alarm trigger recording will send alert with images to designated e-mail and FTP address  
Also supports pre-alarm recording (8MB)
- Advanced motion detection function (4 different adjustable factors of motion detection sensitivity) and convenient search function.
- Pentaplex functions (live display, record, playback, backup, and network)
- Web function supports MJPEG compression format for transmitting over the internet
- Web surveillance supports multiple viewers simultaneously
- Support covert screen for live view channels
- IR remote control of the system and PTZ through RS-485
- Support PELCO-D protocol
- 2 HDD bases built-in, each can support more than 400GB
- Easy system upgrade via USB
- Support static IP, dynamic IP, and DHCP with DDNS function
- Support manual / timer / motion / alarm recording functions
- Record audio with 4ch in and 2ch out
- System auto recovery after power reconnected
- Optional Peripherals: independent disk array; DVD add-on card, VGA connector



## CONNECTIONS



## SPECIFICATION

Video System	NTSC / PAL (switch able)
Video Compression Format	MPEG 4
Video Input	16 Channels. Composite video signal 1 Vp-p 75Ω BNC
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, 13 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
Refresh Rate	480 IPS for NTSC / 400 IPS for PAL
Multiplex 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 grid per camera for all channels
Motion Detect Sensitivity	4 adjustable variable with precise calculation for motion detection
Pre-alarm recording	Yes (8MB)
Backup Device	USB1.1 Backup, and network remote recording backup
Web Transmitting Compression Format	Motion JPEG
Ethernet	10/100 Base-T. Support remote control and live view via Ethernet.
Mobile Surveillance	Support 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 Connection	Support static IP, dynamic IP, and DHCP with DDNS function
USB Interface	Support 2 USB 1.1 ports (front panel * 1, back panel * 1)
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 outputs
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
Power Source	DC 19V
Current 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>	Independent Disk Array; DVD add-on card, VGA connector

## FEATURES



### General:

- ❖ MPEG-4 real time compression format
- ❖ High resolution recording :  
Frame: 720 × 480 pixels with 60 IPS < NTSC > / 720 × 576 pixels with 50 IPS < PAL >  
CIF: 352 × 240 pixels with 240 IPS < NTSC > / 352 × 288 pixels with 200 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).

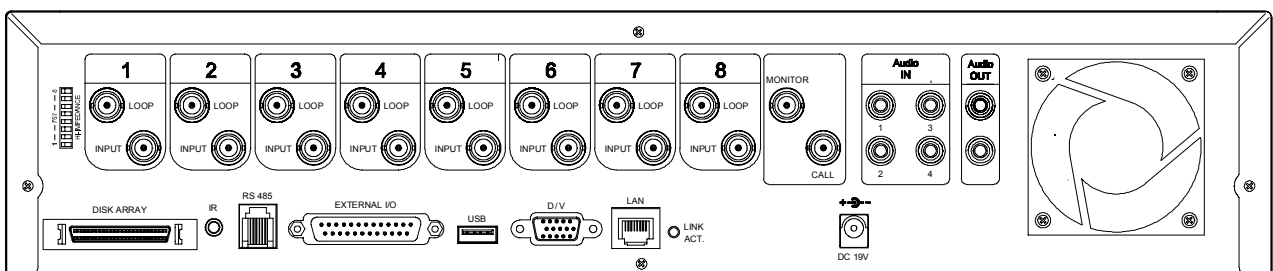
### Network Viewing:

- ❖ 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	AVC785D,785C
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>AVC785D,785C</b>
Maximum Recording Rate	Frame: 720 × 480 pixels with 60 IPS <NTSC> / 720 × 576 pixels with 50 IPS <PAL> CIF: 352 × 240 pixels with 240 IPS <NTSC> / 352 × 288 pixels with 200 IPS <PAL>
Adjustable Recording Speed	Frame: 60, 30, 15, 7 IPS <NTSC> / 50, 25, 12, 6 IPS <PAL> CIF: 240, 120,60,30 IPS <NTSC> / 200, 100, 50, 25 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	240 IPS for NTSC / 200 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	8 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>

# AVC785



## 8-CH MPEG-4 DVR

### Real Time Performance~ 240 IPS (NTSC) / 200 IPS (PAL)

AV TECH is proud to lead you to the new era of Digital Video Recorder with our outstanding product ~ AVC785, 8 CH MPEG-4 real time Digital Video Recorder. We're sure that with this powerful unit, you can become the leader in your sales region to provide this 8 CH MPEG-4 DVR.

It is the best digital product that will make you to have big profit in the currently price competitive market.

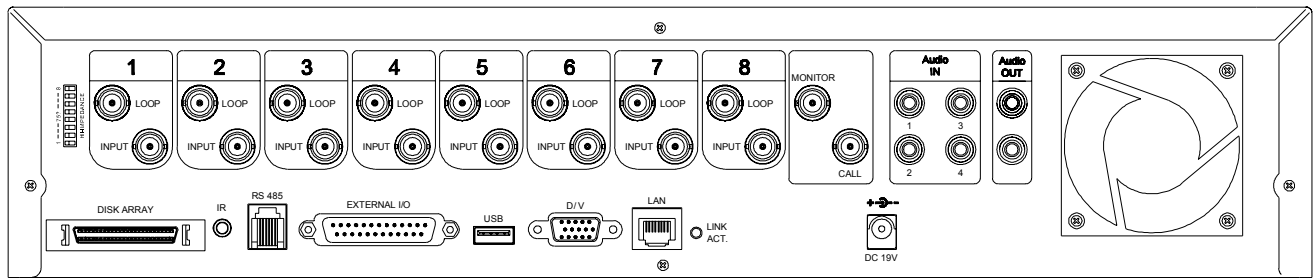
We also offer the best price / performance product to you. We strongly believe that this pricing is unrivaled in the market. All the benefits of this product are created to secure your life, every time and everywhere.



## FEATURES

- MPEG-4 real time compression format
- High resolution recording (For 8 channels):  
 Frame: 720 x 480 pixels with 60 IPS NTSC / 720 x 576 pixels with 50 IPS PAL  
 CIF: 352 x 240 pixels with 240 IPS NTSC / 352 x 288 pixels with 200 IPS PAL
- Image quality setting: Best, High, Normal, and Basic
- Extensive recording time by connected to Independent Disk Array.
- Remote surveillance on mobile phone via GPRS, or on PC through internet connection
- Easy file backup methods with USB, and network remote recording backup
- Alarm trigger recording will send alert with images to designated e-mail and FTP address  
 Also supports pre-alarm recording (8MB)
- Advanced motion detection function (4 different adjustable factors of motion detection sensitivity) and convenient search function.
- Pentaplex functions (live display, record, playback, backup, and network)
- Web function supports MJPEG compression format for transmitting over the internet
- Web surveillance supports multiple viewers simultaneously
- Support covert screen for live view channels
- IR remote control of the system and PTZ through RS-485
- Support PELCO-D protocol
- 1 HDD base built-in, each can support more than 400GB
- Easy system upgrade via USB
- Support static IP, dynamic IP, and DHCP with DDNS function
- Support manual / timer / motion / alarm recording functions
- Record audio with 4ch in and 2ch out
- System auto recovery after power reconnected
- Optional Peripherals: independent disk array; DVD add-on card, VGA connector

## REAR PANEL



## SPECIFICATION

Video System	NTSC / PAL (switch able)
Video Compression Format	MPEG 4
Video Input	8 Channels. Composite video signal 1 Vp-p 75Ω BNC
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 60 IPS NTSC / 720 × 576 pixels with 50 IPS PAL CIF: 352 × 240 pixels with 240 IPS NTSC / 352 × 288 pixels with 200 IPS PAL
Adjustable Recording Speed	Frame: 60, 30, 15, 7 IPS <NTSC> / 50, 25, 12, 6 IPS <PAL> CIF: 240, 120, 60, 30 IPS <NTSC> / 200, 100, 50, 25 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
Refresh Rate	240 IPS for NTSC / 200 IPS for PAL
Multiplex 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 grid per camera for all channels
Motion Detect Sensitivity	4 adjustable variable with precise calculation for motion detection
Pre-alarm recording	Yes (8MB)
Backup Device	USB1.1 Backup, and network remote recording backup
Web Transmitting Compression Format	Motion JPEG
Ethernet	10/100 Base-T. Support remote control and live view via Ethernet.
Mobile Surveillance	Support 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 Connection	Support static IP, dynamic IP, and DHCP with DDNS function
USB Interface	Support 2 USB 1.1 ports (front panel * 1, back panel * 1)
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	8 inputs, 1 outputs
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
Power Source	DC 19V
Current Consumption	< 64 W
Operating Temperature	10 ~ 40 (50 ~104 )
Dimensions (mm)	432mm (W) × 90mm (H) × 326mm (D)
System Recovery	System auto recovery after power reconnected
<b>Optional Peripherals</b>	Independent Disk Array; DVD add-on card, VGA connector



## FEATURES



### General:

- ❖ MPEG-4 real time compression format
- ❖ High resolution recording :  
Frame: 720 × 480 pixels with 30 IPS < NTSC > / 720 × 576 pixels with 25 IPS < PAL >  
CIF: 352 × 240 pixels with 120 IPS < NTSC > / 352 × 288 pixels with 100 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).

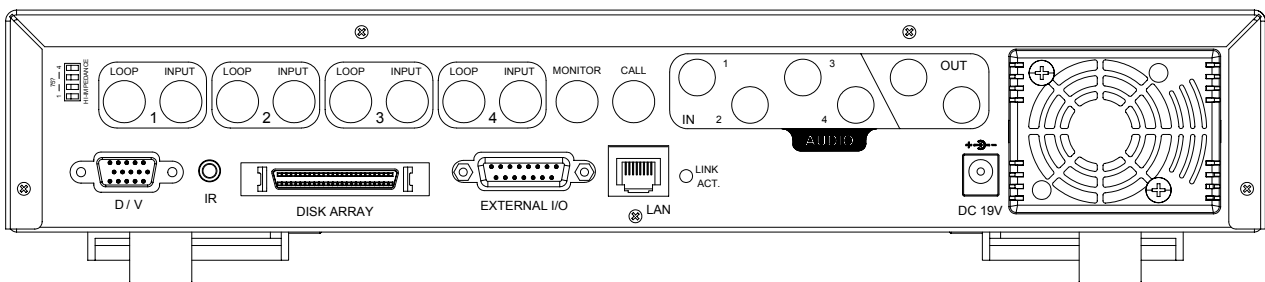
### Network Viewing:

- ❖ 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	AVC783D,783C
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>AVC783D,783C</b>
Maximum Recording Rate	Frame: 720 × 480 pixels with 30 IPS <NTSC> / 720 × 576 pixels with 25 IPS <PAL> CIF: 352 × 240 pixels with 120 IPS <NTSC> / 352 × 288 pixels with 100 IPS <PAL>
Adjustable Recording Speed	Frame: 30, 15, 7, 3 IPS <NTSC> / 25, 12, 6, 3 IPS <PAL> CIF: 120, 60,30,15 IPS <NTSC> / 100,50, 25, 12 IPS <PAL>
Image Quality Setting	Best, High, Normal, and Basic
Hard Disk Storage	IDE type, ATA66, supported HDD * 1, support 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	120 IPS for NTSC / 100 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 one USB 1.1 ports (front 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	4 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	<42 W
Operating Temperature	10°C ~ 40°C (50°F~104°F)
Dimensions (mm)	343mm (W) × 59mm (H) × 223mm (D)
System Recovery	System auto recovery after power reconnected
<b>Optional Peripherals</b>	<b>Independent disk array; VGA connector</b>

# AVC783



## 4-CH MPEG-4 DVR

### Real Time Performance~ 120 IPS (NTSC) / 100 IPS (PAL)

AV TECH is proud to lead you to the new era of Digital Video Recorder with our outstanding product ~ AVC783, 4 CH MPEG-4 real time Digital Video Recorder. We're sure that with this powerful unit, you can become the leader in your sales region to provide this 4 CH MPEG-4 DVR.

It is the best digital product that will make you to have big profit in the currently price competitive market.

We also offer the best price / performance product to you. We strongly believe that this pricing is unrivaled in the market. All the benefits of this product are created to secure your life, every time and everywhere.

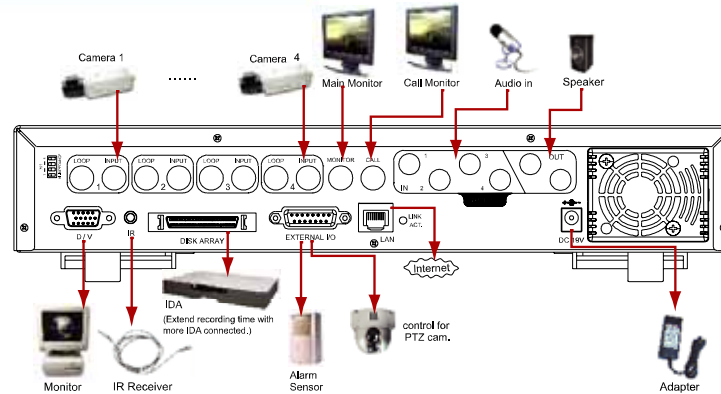


## FEATURES

- MPEG-4 real time compression format
- High resolution recording (For 4 channels):  
Frame: 720 x 480 pixels with 30 IPS NTSC / 720 x 576 pixels with 25 IPS PAL  
CIF: 352 x 240 pixels with 120 IPS NTSC / 352 x 288 pixels with 100 IPS PAL
- Image quality setting: Best, High, Normal, and Basic
- Extensive recording time by connected to Independent Disk Array.
- Remote surveillance on mobile phone via GPRS, or on PC through internet connection
- Easy file backup methods with USB, and network remote recording backup
- Alarm trigger recording will send alert with images to designated e-mail and FTP address  
Also supports pre-alarm recording (8MB)
- Advanced motion detection function (4 different adjustable factors of motion detection sensitivity) and convenient search function.
- Pentaplex functions (live display, record, playback, backup, and network)
- Web function supports MJPEG compression format for transmitting over the internet
- Web surveillance supports multiple viewers simultaneously
- Support covert screen for live view channels
- IR remote control of the system and PTZ through RS-485
- Support PELCO-D protocol
- 1 HDD base built-in, each can support more than 400GB
- Easy system upgrade via USB
- Support static IP, dynamic IP, and DHCP with DDNS function
- Support manual / timer / motion / alarm recording functions
- Record audio with 4ch in and 2ch out
- System auto recovery after power reconnected
- Optional Peripherals: independent disk array; VGA connector



## CONNECTIONS



## SPECIFICATION

Video System	NTSC / PAL (switch able)
Video Compression Format	MPEG 4
Video Input	4 Channels. Composite video signal 1 Vp-p 75Ω BNC
Video Loop Out	4 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 30 IPS NTSC / 720 × 576 pixels with 25 IPS PAL CIF: 352 × 240 pixels with 120 IPS NTSC / 352 × 288 pixels with 100 IPS PAL
Adjustable Recording Speed	Frame: 30, 15, 7, 3 IPS <NTSC> / 25, 12, 6, 3 IPS <PAL> CIF: 120, 60, 30, 15 IPS <NTSC> / 100, 50, 25, 12 IPS <PAL>
Image Quality Setting	Best, high, normal, and basic
Hard Disk Storage	IDE type, ATA66, supported HDD * 1, 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
Refresh Rate	120 IPS for NTSC / 100 IPS for PAL
Multiplex 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 grid per camera for all channels
Motion Detect Sensitivity	4 adjustable variable with precise calculation for motion detection
Pre-alarm recording	Yes (8MB)
Backup Device	USB1.1 Backup, and network remote recording backup
Web Transmitting Compression Format	Motion JPEG
Ethernet	10/100 Base-T. Support remote control and live view via Ethernet.
Mobile Surveillance	Support 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 Connection	Support static IP, dynamic IP, and DHCP with DDNS function
USB Interface	Support 1 USB 1.1 ports (front panel * 1, back panel * 1)
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	4 inputs, 1 outputs
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
Power Source	DC 19V
Current Consumption	< 42 W
Operating Temperature	10 ~ 40 (50 ~104 )
Dimensions (mm)	343mm (W) × 59mm (H) × 223mm (D)
System Recovery	System auto recovery after power reconnected
<b>Optional Peripherals</b>	Independent Disk Array; VGA connector

## FEATURES



### MPEG4 DVR Technology

- ❖ Compression format provides crystal clear image with real time perf

### Multiplex

- ❖ Allows live display, record, playback, backup, and network at the same time

### Long-Recording Hours:

- ❖ 500GB can record more than 18 days. (4CH, Frame Best Quality, 120IPS)

### Backup Function:

- ❖ Backup files with USB device and network remote recording & backup

### Remote Surveillance:

- ❖ Remote surveillance with licensed software AP and IE browser  
Web surveillance supports 5 users simultaneously

### Intelligent Motion Trigger Recording:

- ❖ With advanced motion detection function, scheduled motion detection recording (4 different adjustable factors for motion detection sensitivity) and convenient search function, customized security environment is achieved
- ❖ Alarm trigger recording will send alert with images to designated e-mail and FTP address
- ❖ Supports pre-alarm recording (8MB)

### Covert Recording:

- ❖ A mask replaces the live image with a blank screen & the monitor shows nothing but recording is still on

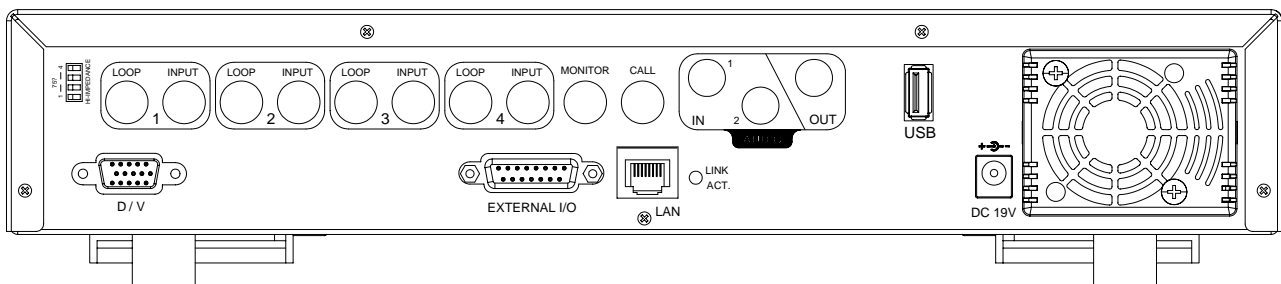
### A/V Support:

- ❖ Supports 2 audio-in, 1 audio-out to record sounds
- ❖ Supports VGA output to monitor (optional)

### General:

- ❖ Support multi-language OSD
- ❖ System auto recovery after power reconnected
- ❖ Support daylight saving function
- ❖ Support manual / timer / motion / alarm / remote recording functions
- ❖ Watermark function ensures authentication of recorded images
- ❖ Support TCP/IP, PPPoE, DHCP and DDNS network connection

## REAR PANEL



## SPECIFICATION

SPECIFICATION	AVC781
Video System	NTSC / PAL (switch able)
Video Compression Format	MPEG 4
Video Input	4 Channels. Composite video signal 1 Vp-p 75 BNC
Video Loop Out	4 Channels. Composite video signal 1 Vp-p 75 BNC
Video Output	Main Monitor Output: Composite video signal 1 Vp-p 75 BNC Call Monitor Output: Composite video signal 1 Vp-p 75 BNC

<i>SPECIFICATION CONTINUED</i>	<i>AVC781</i>
Maximum Recording Rate	Frame: 720 x 480 pixels with 30 IPS NTSC / 720 x 576 pixels with 25 IPS PAL CIF: 352 x 240 pixels with 120 IPS NTSC / 352 x 288 pixels with 100 IPS PAL
Adjustable Recording Speed	Frame: 30, 15, 7, 3 IPS <NTSC> / 25, 12, 6, 3 IPS <PAL> CIF: 120, 60, 30, 15 IPS <NTSC> / 100, 50, 25, 12 IPS <PAL>
Image Quality Setting	Best, High, Normal, and Basic
Hard Disk Storage	IDE type, ATA66, supported HDD * 1, support 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
Refresh Rate	120 IPS for NTSC / 100 IPS for PAL
Audio I/O	2 audio inputs, 1 audio output (Mono)
Motion Detection Area	16 x 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 device
Backup Device	USB 1.1 / 2.0 backup device and network remote backup
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	Support TCP/IP, PPPoE, DHCP and DDNS function
PTZ control	Support PELCO-D protocol
Dwell Time (Sequential Channel Switch)	Programmable with adjustable dwell time
Alarm I/O	4 inputs, 1 output
Digital Zoom	Yes (Only Live Mode)
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
Power Source	DC 19V
Power Consumption	< 42 W
Operating Temperature	10 ~ 40 (50 ~104 )
Dimensions (mm)	343mm (W) x 59mm (H) x 223mm (D)
System Recovery	System auto recovery after power reconnected
Optional Peripheral	VGA connector

## **AVC777**

### 16 CH Channel DVR

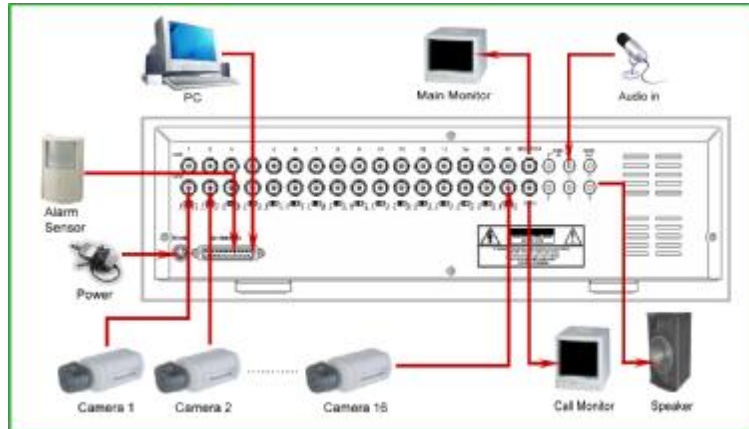


AVC 777, 16 CH Digital Multiplex Recorder is a device which uses digital technology to manage video image in HDD. It includes features such as timer setting for searching, nice recording quality, fast / slow forward, reverse search and user-friendly operations. It is an intelligent digital security recorder.

#### FEATURES

- | Wavelet Compression Format replaces Time Lapse VCR + Multiplexer
- | Stand-alone design
- | 4 Audio inputs / 2 Audion outputs
- | 4 Level video quality adjustable : Best / High / Normal / Basic
- | Support 4 / 7 / 9 / 10 / 13 / 16 Channels Multiplexing function
- | 16 Channels are swappable and each channel has independent title generator
- | Motion trigger recording function and it uses 15X12 target (NTSC) or 15X14 target (PAL) motion detection grids for each video channel
- | 16 Channels alarm input, one alarm output and ALARM display
- | Video loss detected in each channel can record up to 160 events
- | Power-loss memory function
- | Support 2 removable HDDs, IDE type (over 200GB)
- | Timer : Schedule record
- | Display refresh rate up to 72 IPS (60 IPS for PAL)
- | Record refresh rate up to 25 IPS (18 IPS for PAL)
- | Quick Multiple Search by date / time, alarm and full list
- | Security password protection
- | RS-232 and RS-485 communication protocol

# AV TECH



Video format	NTSC/EIA or PAL/CCIR
Hard disk storage	IDE type, UDMA 66, supported over 200GB HDD
Record mode	Manual / Alarm / Timer / Motion
Camera Input Signal	Composite video signal 1 Vp-p 75Ω BNC, 16 channels
Camera Loop Back	Composite video signal 1 Vp-p 75Ω BNC, 16 channels
Main Monitor Output	Composite video signal 1 Vp-p 75Ω BNC
Call Monitor Output	Composite video signal 1 Vp-p 75Ω BNC
Audio input	4 audio inputs, (RCA) *
Audio output	2 audio outputs, (RCA) **
Motion Detect Area	15 * 12 targets per camera (NTSC) / 15 * 14 targets per camera (PAL)
Motion Detect Sensitivity	256 Levels
Video Loss Detection	Yes
Refresh Rate	Up to 72 images/sec. for NTSC / 60 images/sec. for PAL
<b>Recording Rate</b>	<b>Up to 25 images/sec. for NTSC / 18 images/sec. for PAL</b>
Dwell Time	Programmable (1~10 Sec)
Picture in Picture	Yes (Movable)
Key Lock	Yes
Picture Zoom	2*2 (Movable)
Camera Title	6 letters
Video Adjustable	Color/ Contrast/ Brightness Adjustable
Alarm Input	TTL input, Hi (5V), Low (GND)
Alarm Output	COM,/N.O
Remote Control	RS-232 or RS-485
Time Display Format	YY/MM/DD, DD/MM/YY, MM/DD/YY, OFF
Power Source	AC100~240V + 10% switching adaptor
Power Consumption	<45W
Operation Temperature	10 ~ 40℃
RS-232C / RS-485 (bps)	115200 · 57600 · 19200 · 9600 · 4800 · 3600 · 2400 · 1200
Dimension (mm)	432(W) x 110(H) x 325(D)
Net Weight	5.7 kas

*· Designs and specifications are subject to change without notice.*



## **AVC777**

### 16 CH Channel DVR

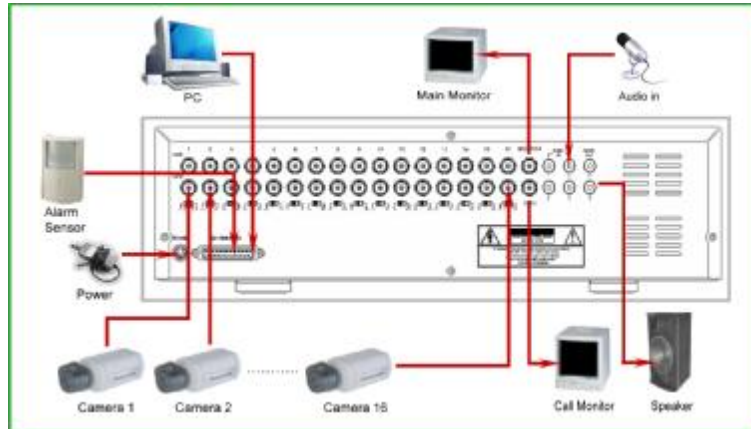


AVC 777, 16 CH Digital Multiplex Recorder is a device which uses digital technology to manage video image in HDD. It includes features such as timer setting for searching, nice recording quality, fast / slow forward, reverse search and user-friendly operations. It is an intelligent digital security recorder.

#### FEATURES

- | Wavelet Compression Format replaces Time Lapse VCR + Multiplexer
- | Stand-alone design
- | 4 Audio inputs / 2 Audion outputs
- | 4 Level video quality adjustable : Best / High / Normal / Basic
- | Support 4 / 7 / 9 / 10 / 13 / 16 Channels Multiplexing function
- | 16 Channels are swappable and each channel has independent title generator
- | Motion trigger recording function and it uses 15X12 target (NTSC) or 15X14 target (PAL) motion detection grids for each video channel
- | 16 Channels alarm input, one alarm output and ALARM display
- | Video loss detected in each channel can record up to 160 events
- | Power-loss memory function
- | Support 2 removable HDDs, IDE type (over 200GB)
- | Timer : Schedule record
- | Display refresh rate up to 72 IPS (60 IPS for PAL)
- | Record refresh rate up to 25 IPS (18 IPS for PAL)
- | Quick Multiple Search by date / time, alarm and full list
- | Security password protection
- | RS-232 and RS-485 communication protocol

# AV TECH



Video format	NTSC/EIA or PAL/CCIR
Hard disk storage	IDE type, UDMA 66, supported over 200GB HDD
Record mode	Manual / Alarm / Timer / Motion
Camera Input Signal	Composite video signal 1 Vp-p 75Ω BNC, 16 channels
Camera Loop Back	Composite video signal 1 Vp-p 75Ω BNC, 16 channels
Main Monitor Output	Composite video signal 1 Vp-p 75Ω BNC
Call Monitor Output	Composite video signal 1 Vp-p 75Ω BNC
Audio input	4 audio inputs, (RCA) *
Audio output	2 audio outputs, (RCA) **
Motion Detect Area	15 * 12 targets per camera (NTSC) / 15 * 14 targets per camera (PAL)
Motion Detect Sensitivity	256 Levels
Video Loss Detection	Yes
Refresh Rate	Up to 72 images/sec. for NTSC / 60 images/sec. for PAL
<b>Recording Rate</b>	<b>Up to 25 images/sec. for NTSC / 18 images/sec. for PAL</b>
Dwell Time	Programmable (1~10 Sec)
Picture in Picture	Yes (Movable)
Key Lock	Yes
Picture Zoom	2*2 (Movable)
Camera Title	6 letters
Video Adjustable	Color/ Contrast/ Brightness Adjustable
Alarm Input	TTL input, Hi (5V), Low (GND)
Alarm Output	COM,/N.O
Remote Control	RS-232 or RS-485
Time Display Format	YY/MM/DD, DD/MM/YY, MM/DD/YY, OFF
Power Source	AC100~240V + 10% switching adaptor
Power Consumption	<45W
Operation Temperature	10 ~ 40℃
RS-232C / RS-485 (bps)	115200 · 57600 · 19200 · 9600 · 4800 · 3600 · 2400 · 1200
Dimension (mm)	432(W) x 110(H) x 325(D)
Net Weight	5.7 kas

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# AVC776

## 9 Channel DVR



AVC776, Digital Multiplex Recorder is a device which uses digital technology to manage video image in HDD. It includes features such as timer setting for searching, excellent record quality, fast/ slow forward and reverse searching, and user-friendly operations. It is an intelligent digital security surveillance recorder.



### FEATURES

- | Wavelet Compression Format replaces Time Lapse VCR + 9 CH multiplexer
- | Stand-alone design
- | 4 Level video quality adjustable: Best / High / Normal / Basic
- | Support 9 Channels Multiplexing function
- | 9 Channels are swappable and each channel has independent title generator
- | Motion trigger recording function and it uses 15X12 target (NTSC) or 15X14 target (PAL) motion detection grids for each video channel
- | 4 Channels alarm input, one alarm output and ALARM display
- | Video loss detected in each channel can record up to 160 events
- | Power-loss memory function
- | Support 1 removable HDD, IDE type (over 200 GB)
- | Quick Multiple Search by date / time, alarm and full list
- | Security password protection
- | RS-232 and RS-485 communication protocol



## SPECIFICATION

<b>Video format</b>	NTSC/EIA or PAL/CCIR
<b>Hard disk storage</b>	IDE type, UDMA 66, supported 200 GB HDD
<b>Record mode</b>	Manual / Alarm / Timer / Motion
<b>Camera Input Signal</b>	Composite video signal 1 Vp-p 75Ω BNC, 9 channels
<b>Camera Loop Back</b>	Composite video signal 1 Vp-p 75Ω BNC, 9 channels
<b>Main Monitor Output</b>	Composite video signal 1 Vp-p 75Ω BNC
<b>Call Monitor Output</b>	Composite video signal 1 Vp-p 75Ω BNC
<b>Audio input</b>	4 audio inputs, (RCA) *
<b>Audio output</b>	2 audio outputs, (RCA) **
<b>Motion Detect Area</b>	15 * 12 targets per camera (NTSC) / 15 * 14 targets per camera (PAL)
<b>Motion Detect Sensitivity</b>	256 Levels
<b>Video Loss Detection</b>	Yes
<b>Refresh Rate</b>	Up to 120 images/sec. for NTSC / 100 images/sec. for PAL
<b>Recording Rate</b>	Up to 25 images/sec. for NTSC / 18 images/sec. for PAL
<b>Dwell Time</b>	Programmable (1~10 Sec)
<b>Picture in Picture</b>	Yes (Movable)
<b>Key Lock</b>	Yes
<b>Picture Zoom</b>	2*2 (Movable)
<b>Camera Title</b>	6 letters
<b>Video Adjustable</b>	Color/ Contrast/ Brightness Adjustable
<b>Alarm Input</b>	TTL input, Hi (5V), Low (GND)
<b>Alarm Output</b>	COM,/N.O
<b>Remote Control</b>	RS-232 or RS-485
<b>Time Display Format</b>	YY/MM/DD, DD/MM/YY, MM/DD/YY, OFF
<b>Power Source</b>	AC100~240V ± 10% switching adaptor
<b>Power Consumption</b>	<32W
<b>Operation Temperature</b>	10 ~ 40℃
<b>RS-232C / RS-485 (bps)</b>	115200 · 57600 · 19200 · 9600 · 4800 · 3600 · 2400 · 1200
<b>Dimension (mm)</b>	430(W) x 300(H) x 65(D)
<b>Net Weight</b>	5.4 kgs

*· Designs and specifications are subject to change without notice.*

# AVC776

## 9 Channel DVR



AVC776, Digital Multiplex Recorder is a device which uses digital technology to manage video image in HDD. It includes features such as timer setting for searching, excellent record quality, fast/ slow forward and reverse searching, and user-friendly operations. It is an intelligent digital security surveillance recorder.

### FEATURES

- | Wavelet Compression Format replaces Time Lapse VCR + 9 CH multiplexer
- | Stand-alone design
- | 4 Level video quality adjustable: Best / High / Normal / Basic
- | Support 9 Channels Multiplexing function
- | 9 Channels are swappable and each channel has independent title generator
- | Motion trigger recording function and it uses 15X12 target (NTSC) or 15X14 target (PAL) motion detection grids for each video channel
- | 4 Channels alarm input, one alarm output and ALARM display
- | Video loss detected in each channel can record up to 160 events
- | Power-loss memory function
- | Support 1 removable HDD, IDE type (over 200 GB)
- | Quick Multiple Search by date / time, alarm and full list
- | Security password protection
- | RS-232 and RS-485 communication protocol



## SPECIFICATION

<b>Video format</b>	NTSC/EIA or PAL/CCIR
<b>Hard disk storage</b>	IDE type, UDMA 66, supported 200 GB HDD
<b>Record mode</b>	Manual / Alarm / Timer / Motion
<b>Camera Input Signal</b>	Composite video signal 1 Vp-p 75Ω BNC, 9 channels
<b>Camera Loop Back</b>	Composite video signal 1 Vp-p 75Ω BNC, 9 channels
<b>Main Monitor Output</b>	Composite video signal 1 Vp-p 75Ω BNC
<b>Call Monitor Output</b>	Composite video signal 1 Vp-p 75Ω BNC
<b>Audio input</b>	4 audio inputs, (RCA) *
<b>Audio output</b>	2 audio outputs, (RCA) **
<b>Motion Detect Area</b>	15 * 12 targets per camera (NTSC) / 15 * 14 targets per camera (PAL)
<b>Motion Detect Sensitivity</b>	256 Levels
<b>Video Loss Detection</b>	Yes
<b>Refresh Rate</b>	Up to 120 images/sec. for NTSC / 100 images/sec. for PAL
<b>Recording Rate</b>	Up to 25 images/sec. for NTSC / 18 images/sec. for PAL
<b>Dwell Time</b>	Programmable (1~10 Sec)
<b>Picture in Picture</b>	Yes (Movable)
<b>Key Lock</b>	Yes
<b>Picture Zoom</b>	2*2 (Movable)
<b>Camera Title</b>	6 letters
<b>Video Adjustable</b>	Color/ Contrast/ Brightness Adjustable
<b>Alarm Input</b>	TTL input, Hi (5V), Low (GND)
<b>Alarm Output</b>	COM,/N.O
<b>Remote Control</b>	RS-232 or RS-485
<b>Time Display Format</b>	YY/MM/DD, DD/MM/YY, MM/DD/YY, OFF
<b>Power Source</b>	AC100~240V ± 10% switching adaptor
<b>Power Consumption</b>	<32W
<b>Operation Temperature</b>	10 ~ 40℃
<b>RS-232C / RS-485 (bps)</b>	115200 · 57600 · 19200 · 9600 · 4800 · 3600 · 2400 · 1200
<b>Dimension (mm)</b>	430(W) x 300(H) x 65(D)
<b>Net Weight</b>	5.4 kgs

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# AVC773

## 4 CH DVR



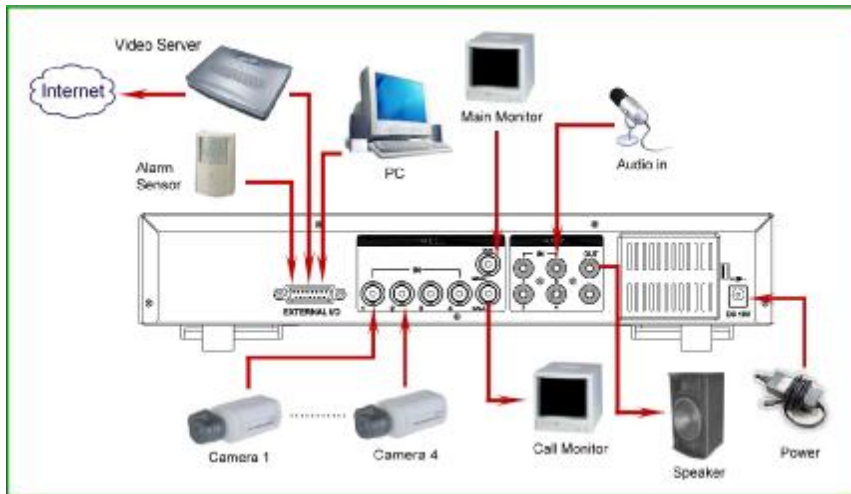
AVC773, 4 CH Digital Video Recorder, is a device to use digital technology to manage video image in HDD. It includes features as motion trigger recording function, HDD hot swappable, Linear Zoom, High IPS performance, excellent record quality, fast/ slow forward and reverse searching, and other user-friendly operations. It is a more intelligent digital security surveillance recorder.



### FEATURES

- | Wavelet compression format replaces Time-Lapse VCR + Multiplexer / Quad
- | 4 audio inputs / 2 audio outputs
- | On Screen Display and Remote Control via Video Server & PC
- | Picture-in-picture (PIP) in live
- | Motion detection & motion trigger recording function
- | Alarm input & output function
- | Video loss detected on each channel
- | Linear Zoom (2x~4x)
- | Multiplexer & Quad recording mode switching
- | Recording rate:
  - Up to full size 30 field/sec. or Quad size 120 field/sec. (NTSC)
  - Up to full size 25 field/sec. or Quad size 100 field/sec. (PAL)
- | Support 1 removable HDD with hot-swap capability, IDE TYPE (over 250 GB)

## System Connection



## SPECIFICATION

<b>Video format</b>	NTSC/EIA or PAL/CCIR
<b>Hard disk storage</b>	IDE type, UDMA 66, supported 250 GB HDD
<b>Recording mode</b>	Manual / Alarm / Timer / Motion
<b>Camera Input Signal</b>	Composite video signal 1 Vp-p 75Ω BNC, 4 channels
<b>Main Monitor Output</b>	Composite video signal 1 Vp-p 75Ω BNC
<b>Call Monitor Output</b>	Composite video signal 1 Vp-p 75Ω BNC
<b>Audio input</b>	4 audio inputs, (RCA) *
<b>Audio output</b>	2 audio outputs, (RCA) **
<b>Motion Detect Area</b>	16 * 12 targets per camera
<b>Motion Detect Sensitivity</b>	99 Levels
<b>Video Loss Detection</b>	Yes
<b>Refresh Rate</b>	240 fields/sec. <NTSC> / 200 fields/sec. <PAL>
<b>Recording Rate</b>	Multiplex:Up to 30 fields/sec.< NTSC> / 25 fields/sec.<PAL> Quad-field:Up to 120 fields/sec.<NTSC> / 100 fields/sec.<PAL> Quad-frame:Up to 240 fields/sec.<NTSC> / 200 fields/sec.<PAL>
<b>Dwell Time</b>	Programmable (1~15 Sec)
<b>Picture in Picture</b>	Yes (Movable)
<b>Key Lock</b>	Yes
<b>Picture Zoom</b>	2*2 ~4*4 (Movable)
<b>Camera Title</b>	8 letters
<b>Video Adjustable</b>	Hue/ Color/ Contrast/ Brightness Adjustable
<b>Alarm Input</b>	TTL input, Hi (5V), Low (GND)
<b>Alarm Output</b>	COM./N.O/N.C
<b>Remote Control</b>	RS-232 or RS-485
<b>Time Display Format</b>	YY/MM/DD, DD/MM/YY, MM/DD/YY, OFF
<b>Power Source</b>	DC 19V
<b>Power Consumption</b>	<32W
<b>Operation Temperature</b>	10 ~ 40°C
<b>RS-232C / RS-485 (bps)</b>	115200 · 57600 · 19200 · 9600 · 4800 · 3600 · 2400 · 1200

*· Designs and specifications are subject to change without notice.*



# AVC733

## MPEG-4 Video Web Server

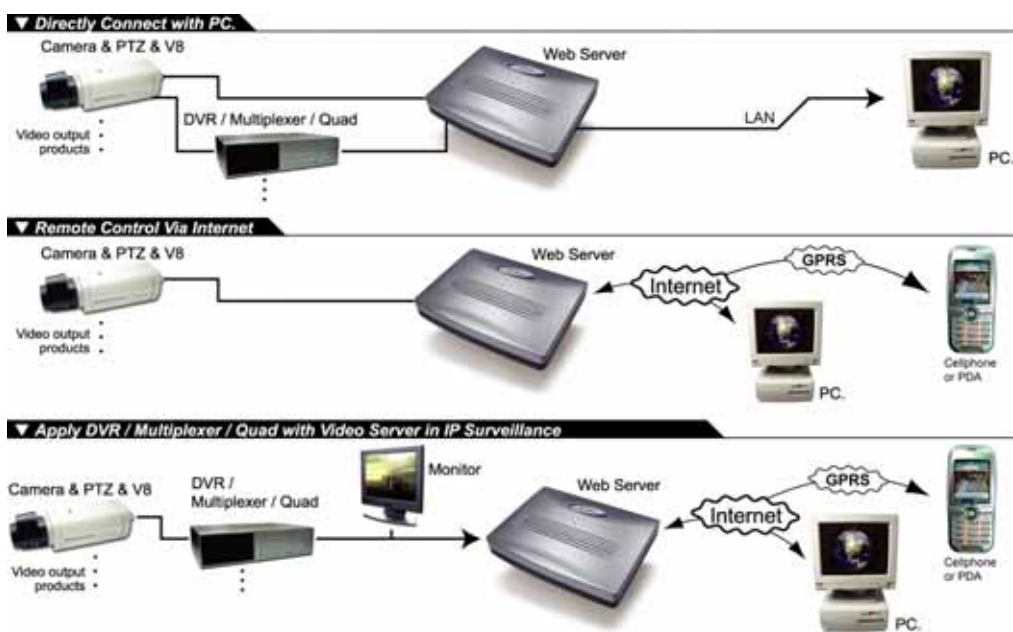


### FEATURES

- Support MPEG4 compression format for real-time video stream
- Compression format (MPEG4 / JPEG) is selectable for different network bandwidth and applications
- Support video/audio recording
- Support alarm / motion trigger recording
- Adjustable motion detect sensitivity
- Whenever alarm system triggered, video streaming or pictures will be uploaded over FTP, email as an instant notification.
- Support GPRS system for remote surveillance with mobile phone & PDA
- Support static IP, PPPOE, and DHCP for network connection
- Support DDNS and function
- Support NTSC/PAL system (auto detect video input signals)
- Support video access by APs (software) or HTML pages (IE explorer)
- Full event record list for easy search and quick playback
- Support schedule recording
- Support multiple user access levels with security protection
- Support multiple on-line users (up to 10 users)
- Support watch dog function for automatic network reconnection.
- ANR will reactivate recording function automatically when network is reconnected
- Easy to upgrade firmware



## CONNECTIONS



## SPECIFICATION

<b>Video Input</b>	1 channel for analog & digital products, 1.0 Vp-p 75 composite, BNC
<b>Audio Input</b>	1 channel audio input
<b>Alarm Input</b>	2 input / 1 output
<b>Watch Dog</b>	Yes
<b>RS-485 Port</b>	Yes
<b>Network Interface</b>	Ethernet (10/100 Base-T)
<b>Image Compression</b>	MPEG4 / JPEG
<b>Video Adjustment</b>	Brightness, Contrast, Saturation, and Hue
<b>Protocols</b>	TCP/IP, ICMP, SMTP, FTP, HTTP, DHCP, DDNS, PPPOE, NTP
<b>Resolution</b>	704x480, 352x240 (NTSC) / 704x576, 352x288 (PAL)
<b>Performace</b>	Video through put : Up to 24(NTSC), 20(PAL) frames/ second,
<b>Motion Trigger</b>	
<b>Recording</b>	Yes
<b>Motion Detection</b>	3 adjustable factors
<b>Trigger &amp; Action</b>	Triggered by GPIO Input, Action: E-mail video/images or video/images upload to FTP site's specific accounts
<b>Installatin</b>	Assign static/dynamic IP address, additional router is not necessary
<b>Security</b>	Password Protection
<b>Powe Source</b>	DC 12V
<b>Current Consumption</b>	500 mA

## AVC707

### 16-CH Color Multiplexer (Full Duplex)



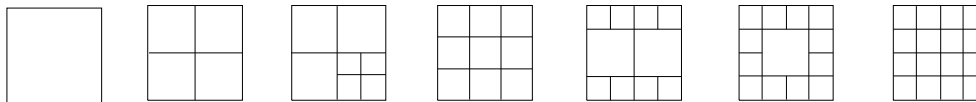
#### FEATURES



1. Support NTSC and PAL
2. On screen menu display.
3. Full Duplex Multiplexing
  - I 16 channels camera can be record/live display/playback at the same time.
  - I 16 channels loop back terminal.
4. Resolution

Screen Modes	Resolution
Full screen	704(H) x 468(V) <NTSC> / 704(H) x 564(V) <PAL>
4 channels	352(H) x 234(V) <NTSC> / 352(H) x 282(V) <PAL>
9 channels	224(H) x 156(V) <NTSC> / 224(H) x 188(V) <PAL>
16 channels	176(H) x 117(V) <NTSC> / 176(H) x 141(V) <PAL>

5. Independent main and call monitor outputs allow simultaneous multicamera and full screen viewing.
6. Multi Screen Display Mode
  - I Below display modes are selectable while surveillance & VCR play back:



Full Screen    Quad    7 CH    9 CH    10 CH    13 CH    16 CH

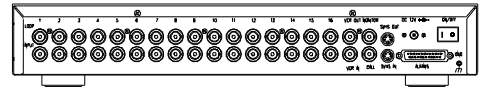
7. **Picture-In-Picture (PIP) is available in live and VCR playback modes, Zoom in & out can be up to 2 X 2 in live and VCR playback modes**
8. 16 channels are swappable and independent title generator (up to 6 characters) each channel.
9. **Simultaneous digital video motion detection using 15x12 target (NTSC) 15x14 target (PAL) motion detection grids for each video channel to set different options.**
10. **Video Adjustable on Each Channel**
11. Re-flash Rate
  - I Full screen : Real time display
  - I 16 channels: 0.133 sec/channel
12. Alarm Input Function & Output Function
  - I 16 channels alarm input, ALARM display and one alarm output.
  - I Video loss detected in each channel.
  - I Record 50 events.
13. Power-loss memory function: set up parameter will remain while power failure.
14. Remote function: it can be controlled by external host through RS-232Co or RS-485.
15. On Screen Display and RTC (Real time clock) Function.
16. Call Monitor



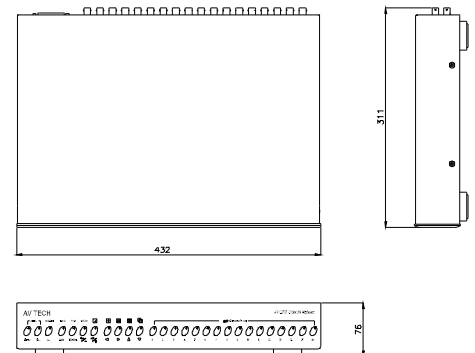
## SPECIFICATION

Mode	AVC707ND	AVC707PD
Signal	NTSC	PAL
Camera Input Signal	Composite video signal 1 Vp-p 75Ω BNC, 16 channels	
VCR Input Signal	Composite video signal 1 Vp-p 75Ω BNC S-Video Y 1 Vp-p 75Ω S JACK; C 0.8 Vp-p 75Ω S JACK	
Camera Loop Back	Composite video signal 1 Vp-p 75Ω BNC, 16 channels	
Main Monitor Output	Composite video signal 1 Vp-p 75Ω BNC	
Call Monitor Output	Composite video signal 1 Vp-p 75Ω BNC	
VCR Output	Composite video signal 1 Vp-p 75Ω BNC S-Video Y 1 Vp-p 75Ω S JACK; C 0.8 Vp-p 75Ω	
Motion Detect Area	15 * 12 targets per camera (NTSC) 15 * 14 targets per camera (PAL)	
Motion Detect Sensitivity	256 Levels	
Video Loss Detection	Yes	
Picture Freeze	Yes	
Refresh Rate	30 Frames / Sec.	
Recording Rate	15 Pictures/Sec..	
Dynamic Recording Priority	Yes (Programmable)	
Dwell Time	Programmable (1~10 Sec)	
Picture in Picture	Yes (Movable)	
Key Lock	Yes	
Picture Zoom	2*2 (Movable)	
Camera Title	6	
Video Adjustable on Channels	Color/Contrast/Brightness Adjustable	
Alarm Input	TTL input, Hi (5V), Low (GND)	
Alarm Output	COM, N.O.	
Alarm History Log	50 Events	
Remote Control	RS232 or RS485	
VCR Trigger Output	Yes (TTL output)	
Time Display Format	YY/MM/DD, DD/MM/YY, MM/DD/YY, OFF	
Power Source	DC12V, 1.25A	
Power Consumption	<10W	
Operation Temperature	0°C~50°C	
Operation Humidity	30%~90%	
RS-232C / RS-485 (bps)	115200 · 57600 · 19200 · 9600 · 4800 · 3600 · 2400 · 1200	
Dimensions (mm)	432 (W) x 76(H) x 311(D)	
Gross Weight	5.6kg	

Rear Panel

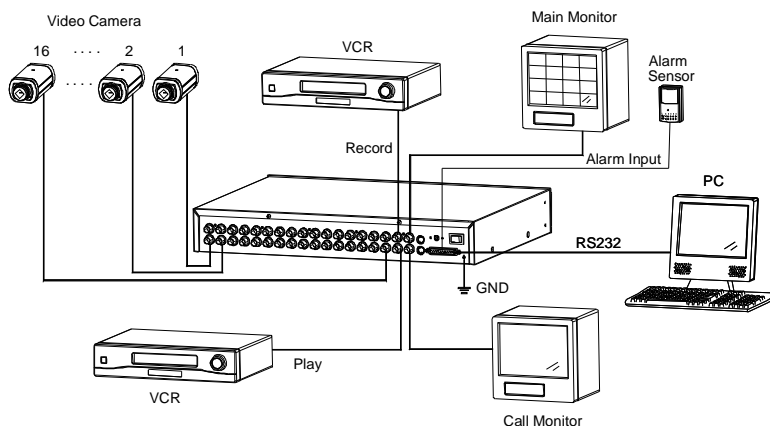


Dimension



### Full Duplex Connections for Multiplexer – with 2 monitors

(This unit also can be operated with one monitor for full duplex function)





### FEATURES

- SONY Color Super HAD CCD
- 480 TV Lines
- 1 Lux / F2.0
- Vandal Proof:  
The special material could withstand strong impact against the dome cover
- Built-in auto switch filter  
(Model No. CPC392, CPC394)
- Special Installation Method:  
To enhance the security

### SPECIFICATION

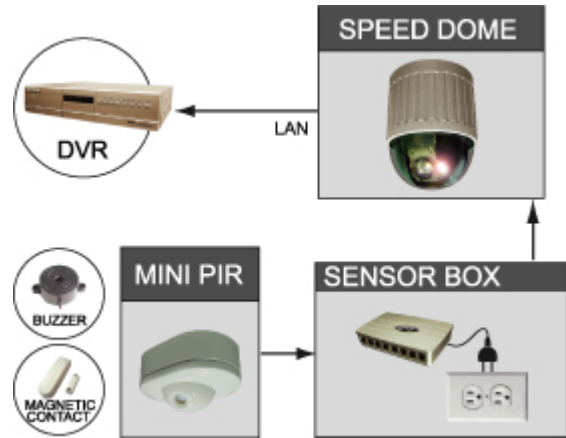
MODEL	981	982	983	984
Pick up Element	1/3" Sony Super HAD CCD			
Number of Pixel	500(H) x 582(V) <NTSC> / 510(H) x 492(V) <PAL>		768(H) x 494(V) <NTSC> / 752(H) x 582 (V) <PAL>	
Resolution	350 TV lines		480 TV lines	
Min. Illumination	0.5Lux / F2.0		1Lux / F2.0	
S/N Ratio	More than 48dB (AGC off)			
Electronic Shutter	1/60 (1/50) to 1/100,000 sec.			
Lens	f3.6mm / F2.0			
Lens Angle	92°			
Iris Mode	AES			
BLC	On			
AGC	Auto			
Flickerless	Off			
White Balance	ATW			
CRLESS				On
IR Shifter Switch	Auto Switch Filter		Auto Switch Filter	
Video Output	1.0Vp-p composite, 75Ω			
Power Source	DC12V ± 10% regulated			
Current Consumption	90mA		160mA	
Dimension (mm)	93.4(Ø) x 69(H)			
Weight	312g			

## SPEED DOME (with Pan / Tilt / Zoom Control)

### FEATURES

- SONY Color Super HAD CCD
- 22X Optical Zoom
- Pan Range 360°
- 64 Preset Points
- High Quality
- Compact Size
- Outstanding Surveillance

### SYSTEM CONNECTION



### SPECIFICATION

Specification	935		
Pick-up Element	1/4" Sony Color Super HAD CCD sensor	Camera ID	Preset ID (8 characters)
Number of Pixel	768(H)×494(V)<NTSC> 752(H)×582(V)<PAL>	Preset points	64 preset points
Resolution	480 TV lines	Pan Range	360°
Video Output	1.0 Vp-p composite, 75 Ω	Pan Angle Setting	Possible (in auto-pan mode)
Signal-to-Noise Ratio	More than 48dB (AGC off)	Tilt Range	90°
Minimum Illumination	1 Lux / F1.6	Ambient Operating Temperature	0°C ~ 40°C (32°F - 104°F)
Zoom Speed	Approx. 3s (Tele/Wide)	Power Source	DC12V ± 10% regulated
F-number	F1.6(Wide) ~ 3.7(Tele)	Current Consumption	1.25A (max)
Focal Length	3.9 ~ 85.8 mm	Dimension	145 (Ø) x 184 (H) mm (± 5mm)
Viewing Angle	4° ~ 80°	Shipping Weight	Approx. 1.2 kg
Electronic Shutter	1/60 (1/50)		
Iris Mode	Auto		
Sharpness	Sharpness / Normal / Soft Selectable		
White Balance	ATW		
Mirror	On / Off		
Color Gain	Colorful / Normal / Light Selectable		
AGC	On (Low, Mid, High) / Off		
BLC	On / Off		
Lens Type	22X Optical Zoom (3.9 ~ 85.8 mm)		
Auto Focus	Manual / Auto		
Auto Mode	Sequence / Auto Pan		

# AV TECH

PTZ(Pan / Tilt / Zoom)



*Designed for the Security Market*

## Specifications

### Key Features

- 1/3" Sony Color Super HAD CCD
- 480 TV lines
- High sensitivity of 1.5 Lux / F2.6
- OSD Function select
- S/N ratio more than 48dB(AGC off)
- 16 preset positions
- Data (RS-485) site communication for long distance camera application
- On-screen set-up menu

<b>Model No.</b>	AVC933A
<b>Pick up Element</b>	1/3" Sony Color Super HAD CCD sensor
<b>Number of Pixel</b>	768(H) x 494(V) <NTSC> / 752(H) x 582(V) <PAL>
<b>Resolution</b>	480 TV lines
<b>Video Output</b>	1.0 Vp-p, 75 Ω
<b>Signal-to-Noise Ratio</b>	More than 48dB (AGC off)
<b>Minimum Illumination</b>	1.5 Lux / F2.6
<b>Zoom Speed</b>	approx. 1s (Tele/Wide) in manual mode
<b>Aperture</b>	F2.6(Wide) ~4.3(Tele)
<b>Focal Length</b>	4.2~12.7mm
<b>Angular Field of View</b>	26.7°~80°
<b>Electronic Shutter</b>	1/60 (1/50) to 1/100,000 sec.
<b>Sharpness</b>	Sharpness / Normal / Soft Selectable
<b>White Balance</b>	ATW
<b>Mirror</b>	On/Off
<b>Color Gain</b>	Colorful / Normal / Light Selectable
<b>AGC</b>	On (low) / On (mid) / On (high) / Off
<b>BLC</b>	On / Off
<b>Zoom Ratio</b>	Optical 3X (4.2~12.7mm)
<b>Auto Focus</b>	MANUAL/AUTO
<b>Auto Mode</b>	SEQ/AUTO PAN
<b>Camera ID</b>	Preset ID, camera ID (up to 8 characters)
<b>Preset Points</b>	16 Preset Points
<b>Pan Range</b>	350°
<b>Pan Angle Setting</b>	Possible (in auto-pan mode)
<b>Tilt Range</b>	90°
<b>Preset Points</b>	16 preset points
<b>Ambient Operating Temperature</b>	0°C ~ 40°C (32°F - 104°F)
<b>Power Source</b>	DC12V ± 10%, regulated
<b>Current Consumption</b>	1A
<b>Dimensions</b>	Ø105 (D) x 127 (H) mm
<b>Weight</b>	approx. 320g (0.66 lbs.)

· Designs and specifications are subject to change without notice.

# AV TECH

AVC931A

PT Camera (Pan\Tilt)



*Designed for the Security Market*

## Key Features

- 1/3" Sony Color Super HAD CCD
- OSD Function select
- S/N ratio more than 48dB (AGC off)
- 16 preset positions
- Data (RS-485) site communication for long distance camera application
- On-screen set-up menu

## Specifications

<b>Model No.</b>	AVC931A
<b>Pick up Element</b>	1/3" Sony Color Super HAD CCD sensor
<b>Number of Pixel</b>	510(H) x 492(V) <NTSC> / 500(H) x 582(V) <PAL>
<b>Resolution</b>	350 TV lines
<b>Video Output</b>	1.0 Vp-p, 75 Ω
<b>Signal-to-Noise Ratio</b>	More than 48dB (AGC off)
<b>Minimum Illumination</b>	0.5 Lux / F2.0
<b>Aperture</b>	F2.0
<b>Focal Length</b>	4mm
<b>Angular Field of View</b>	80°
<b>Electronic Shutter</b>	1/60 (1/50) to 1/100,000 sec.
<b>Sharpness</b>	Sharpness / Normal / Soft Selectable
<b>White Balance</b>	ATW
<b>Mirror</b>	On / Off
<b>Color Gain</b>	Colorful / Normal / Light Selectable
<b>AGC</b>	On (low) / On (mid) / On (high) / Off
<b>BLC</b>	On / Off
<b>Zoom Ratio</b>	Board Lens (4,6,12mm)
<b>Auto Mode</b>	Sequence / Auto Pan
<b>Camera ID</b>	Preset ID, camera ID (up to 8 characters)
<b>Preset Points</b>	16 Preset Points
<b>Pan Range</b>	350°
<b>Pan Angle Setting</b>	Possible (in auto-pan mode)
<b>Tilt Range</b>	90°
<b>Ambient Operating Temperature</b>	0°C ~ 40°C (32°F - 104°F)
<b>Power Source</b>	DC12V ± 10%, regulated
<b>Current Consumption</b>	1A (max)
<b>Dimensions</b>	Ø105 (D) x 127 (H) mm ± 5mm
<b>Weight</b>	approx. 320g (0.66 lbs.)

· Designs and specifications are subject to change without notice.



## AVC900/901

### VARI-FOCAL DOME CAMERA



#### FEATURES

- | 1/3" Color CCD image sensor.
- | 0.5 Lux / F1.6.
- | 350/480 TV lines.
- | AWB, AES & Sharpness selectable.
- | Built-in Vari-focal type, D.D. auto iris lens, f=4.0~9.0mm, F=1.6~2.4.
- | Super low current consumption 120mA.
- | S/N ratio more than 48dB(AGC off).

NEW



#### SPECIFICATION

Item	AVC900	AVC901
<b>Pick up Element</b>	1/3" Color CCD image sensor	
<b>Number of Pixel</b>	512(H) x 492(V) <NTSC> / 512(H) x 582(V) <PAL>	768 (H) x 494(V) <NTSC> / 752(H) x 582(V) <PAL>
<b>Resolution</b>	350 TV lines	480 TV lines
<b>Min. Illumination</b>	0.5Lux / F1.6	
<b>S/N Ratio</b>	More than 48dB (AGC off)	
<b>Electronic Shutter</b>	1/60 (1/50) to 1/100,000 sec.	
<b>Gamma</b>	0.45	
<b>Iris Mode</b>	D.D Auto Iris	
<b>White Balance</b>	Hold / ATW selectable	
<b>Video Output</b>	1.0 Vp-p composite , 75 Ω	
<b>Lens Angle</b>	92.6° ~ 39.4°	
<b>Microphone</b>	Yes	
<b>BLC</b>	On / Off selectable	
<b>Sharpness</b>	Soft / Sharp selectable	
<b>Power Source</b>	DC12V±10%	
<b>Current Consumption</b>	120mA	
<b>Operating Temperature</b>	0° ~ 50°	
<b>Gross Weight</b>	0.362kg	

| Designs and specifications are subject to change without notice.

# AVC843

## 1/4" Color Smoke Detector Camera

### FEATURES

- I 1/4" Color CCD sensor.
- I Auto Electronic Shutter.
- I Auto white balance.
- I Microphone-high sensitive.
- I Signal-to-Noise ratio of 48dB.
- I Minimum illumination of 1Lux/F2.0
- I Long life and high reliability.



### SPECIFICATION

<b>Pick up Element</b>	1/4" Color CCD sensor
<b>Number of Pixel</b>	512(H)x492(V) <NTSC> / 512(H)x582(V) <PAL>
<b>Iris Mode</b>	Auto Electronic Shutter
<b>Resolution</b>	350 TV lines
<b>Min. Illumination</b>	1Lux / F2.0
<b>S/N Ratio</b>	More than 48dB (AGC off)
<b>Electronic Shutter</b>	1/60 (1/50) to 1/100,000 sec.
<b>White Balance</b>	Auto white balance
<b>Auto Gain Control</b>	Auto
<b>Microphone</b>	Yes
<b>Video Output</b>	1.0Vp-p composite, 75 Ω
<b>Lens</b>	f3.6mm / F2.0
<b>Power Source</b>	DC12V± 10%
<b>Current Consumption</b>	100Ma
<b>Dimension (mm)</b>	32(L) x 32(W)
<b>Gross Weight</b>	140g

I Designs and specifications are subject to change without notice.

# AVC841

## 1/3" B/W Smoke Detector Camera

### FEATURES

- 380TV lines of horizontal resolution
- Auto Electronic Shutter.
- Signal-to-Noise ratio of 48dB.
- Minimum illumination of 0.25Lux/F2.0
- Microphone-high sensitive.
- Long life and high reliability.



### SPECIFICATION

<b>Pick up Element</b>	1/3" B/W CCD sensor
<b>Number of Pixel</b>	510(H)x492(V) <NTSC> / 500(H)x582(V) <PAL>
<b>Iris Mode</b>	Auto Electronic Shutter
<b>Resolution</b>	380 TV lines
<b>Min. Illumination</b>	0.25Lux / F2.0
<b>S/N Ratio</b>	More than 48dB (AGC off)
<b>Electronic Shutter</b>	1/60 (1/50) to 1/100,000 sec.
<b>Auto Gain Control</b>	Auto
<b>Video Output</b>	1.0Vp-p composite, 75 Ω
<b>Microphone</b>	Yes
<b>Lens</b>	f3.6mm / F2.0
<b>Power Source</b>	DC12V± 10%
<b>Current Consumption</b>	100Ma
<b>Dimension (mm)</b>	32(L) x 32(W)
<b>Gross Weight</b>	140g

I Designs and specifications are subject to change without notice.

## AVC563K

### Color Dome Camera

1/3" Sony Color Super HAD CCD image sensor!



#### FEATURES

- Crystal & Clear Image :  
1/3" Sony Color Super HAD CCD image sensor to provide superior pictures
- Standard Resolution :  
Excellent picture quality with standard resolution
- Satisfied Min. Illumination :  
0.5 / F2.0
- With Sensitive Microphone (Model No.:563K)
- Built in Auto Electronic Shutter

#### SPECIFICATION

MODEL	562K	563K
Pick up Element	1/3" Sony Color Super HAD CCD image sensor	
Number of Pixel	500(H)x582(V) <PAL> / 510(H)x492(V) <NTSC>	
Resolution	Standard resolution	
Min. Illumination	0.5Lux / F2.0	
S/N Ratio	More than 48dB (AGC off)	
Electronic Shutter	1/60 to 1/100,000 second (NTSC); 1/50 to 1/100,000 second (PAL)	
BLC	On	
AGC	Max	
White Balance	ATW	
Audio	W/O Audio	Audio
Video Output	1.0Vp-p composite, 75Ω	
Standard Board Lens	F3.6mm / F2.0	
Lens Angle	92°	
Power Source	DC12V ± 10%	
Current Consumption	125 mA	
Dimension (mm)	88 (Ø) x 81 (H)	
Shipping Weight	N / A	

# AVC562R

## 1/3" Color Dome Camera

### Features

- 1/3" Sony Color CCD image sensor.
- 350 TV lines.
- 1 Lux / F2.0 .
- BLC, AWB, AGC, AGC MAX, AES.



### Specification

Model	AVC562RN/F36	AVC562RP/F36
Pick up Element	1/3" Sony Color CCD image sensor	
Number of Pixel	510(H)x492(V) <NTSC>	500(H)x582(V) <PAL>
Resolution	350 TV lines	
Min. Illumination	1 Lux / F2.0	
S/N Ratio	More than 48dB (AGC off)	
Electronic Shutter	1/60(1/50) to 1/100,000 sec	
White Balance	Auto white balance	
BLC	Auto detection	
Load Impedance	75	
Standard Board Lens	f3.6mm / F2.0	
Lens Angle	92°	
Power Source	DC12V± 10%	
Current Consumption	110mA	
Dimension (mm)	87(Ø) x 81(H)	
Weight	280g	

- Designs and specifications are subject to change without notice.

## AVC302A

### 1/3" B/W Dome Camera

#### FEATURES

- I 1/3" B/W CCD image sensor
- I 0.25 Lux / F2.0.
- I 380 TV lines.
- I Signal-to-noise ratio of 48dB
- I AGC, AES



#### SPECIFICATION

Model	AVC303AE/F36(R)	AVC303AC/F36(R)
Pick up Element	1/3" B/W CCD image sensor	
Number of Pixel	510(H) x 492(V) <EIA>	500(H) x 582(V) <CCIR>
Resolution	380 TV lines	
Min. Illumination	0.25 Lux / F2.0	
S/N Ratio	More than 48dB (AGC off)	
Electronic Shutter	1/60 (1/50) to 1/100,000 sec.	
Iris Mode	AES only	
Standard Board Lens	f3.6mm / F2.0	
Load Impedance	75 $\Omega$	
Lens Angle	92°	
Power Source	DC12V $\pm$ 10%	
Current Consumption	100mA	
Dimension (mm)	100( $\varnothing$ ) x 57.5(H)	
Gross Weight	0.18kg	

I Designs and specifications are subject to change without notice