



8

Digital Video Surveillance

| | |
|-----------------------------|-----|
| Video Surveillance Solution | 145 |
| Video Capture Card | 146 |
| Video Surveillance Camera | 150 |

Digital Video Surveillance

Post 9/11 has seen increasing demand for security applications, and the video surveillance system has been a popular security tool for years. Security cameras are an everyday occurrence, and chances are, you're used to watch yourself walk into a store on a security monitor. Banks and retail stores have come to depend on the protection provided by video surveillance. Digital technology have made video surveillance more flexible and easy to use than ever, and allow you to create the security system that conforms exactly to your needs.



Vertical Market

Intelligent Transportation Systems (ITS)

- Providing timely information on highway traffic conditions is a major function of intelligent transportation systems (ITS), and video surveillance systems are critical tools for ITS to monitor and control any emergency evacuation event.
- The toll road payment stations process large numbers of micro transactions. The surveillance system minimizes fraud by recording all transactions including those carried out by potential gatecrashers.



Automotive Video Surveillance

Automotive video surveillance is now widely used to monitor vehicle interiors on public transportation systems to ensure the safety of the onboard passengers. Automotive video surveillance systems can record the interior of train cars and buses and can also be adopted in police vehicles to monitor patrol activity.



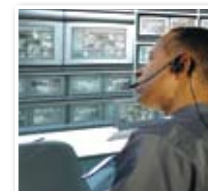
Banking Security System

In a bank, the surveillance system can easily monitors a teller line and automated teller machine transactions. Bank surveillance systems can also record robberies, unauthorized withdrawals, and other disputed transactions.



Building, Airport, Road Surveillance system

Video surveillance has emerged as a vital technology in the war against terror. Video surveillance enables the easy identification of culprits behind terrorist bombings. As a result, since 911, governments around the world have started to leverage high-performance surveillance equipment in their efforts to protect their country and people from terrorist attacks.



Industrial Automation

Latest Supervisory Control And Data Acquisition (SCADA) systems adopt video capturing technologies to collect factory data and thereby providing operators and supervisors access to real-time data and video feeds enabling them to make increasingly accurate assessments faster.



Digital Video Surveillance

Video Surveillance Solution

DVR Servers - DVR 350F Large Capacity Embedded/Mobile Digital Video Platform with 3.5" HDD



- Up to 16 channel composite inputs that can share a total frame rate of 120/100 fps
- Anti-vibration, anti-shock and fanless design to ensure maximum reliability
- x86 architecture for easy application development & integration
- TV-out and WLAN module support
- Wide power source (9 ~ 30 V DC)
- CardBus interface for optional mobile communication module
- Swappable HDD for easy integration and data transfer
- Supports Windows® 2000/XP with driver and SDK

DVR Servers - DVR 350C Slim Embedded/Mobile Digital Video Platform with 1.8" HDD



- Up to 16 channel composite inputs that can share a total frame rate of 120/100 fps
- Anti-vibration, anti-shock design to ensure maximum reliability
- Fanless design within sealed construction
- x86 architecture for easy application development & integration
- TV-OUT and WLAN module support
- Wide power source (9 ~ 30 V DC)
- Supports Windows 2000/XP with driver and SDK

DVR Software - Power View 6000 Advanced Digital Surveillance Software



- Real Time Status Display and Notification: system, video, event, alarm, network connection, and backup status can be seen immediately
- Real Time Status Display and Notification: seven recording modes to schedule or trigger recordings based on camera and sensor input
- Advanced Event Action Plan: PTZ control, video recording, warning sound playback, or program execution actions can be configured for any event source
- Quick Search by Calendar and Time Segment
- Intelligent eMap function
- Comprehensive Log Viewing function
- Full Backup functions
- Powerful Remote Control functions via IE Browser; dynamic IP supp

DVR System - DVS-640 Advanced Industrial DVR System



- 4U industrial grade DVR Platform
- Advanced cooling design for capture card and hard drive
- Performance Core™2 Duo DVR platform
- Compatibility and certification test for various video capture card
- Dual Gigabit Ethernet delivers excellent network performance
- Visible LED indicators and audible alarm notification improves system availability
- Shock-resistant disk drive bay holds three 5.25" and one 3.5" front-accessible disk drives
- 8/16/24/32 channels video input
- H.264 , MPEG4 Hardware Compression / MPEG-4 Software Compression

DVR System- JV264-004/009/016 Professional H.264 Internet DVR



- Advanced H.264 compression.
- Support 3G cell phone for high quality remote monitoring
- Provide eSATA port for Storage application
- D1 resolution for Preview and Recording
- Realtime Live View (30frame/NTSC, 25frame/PAL)
- Visualized Remote Application software
- Network DDNS/ DHCP function
- Support Audio/ RS-485/ Sensor
- Advanced Central Management Software

1
Industrial
Computer

2
Compact PCI

3
Embedded
Computer

4
Panel PC/
LCD Monitor

5
Human
Machine
Interface

6
Digital
Advertising

7
Serial &
Wireless
Connectivity

8
Digital Video
Surveillance

9
Network
Security
Appliance

10
Data
Acquisition
& Control

11
Industrial
RFID

12
Industrial
Ethernet
Switch

13
Medical PC

14
Power
Supply

15
Accessories

Digital Video Surveillance

Video Capture Card



| Model Name | Anewtech IVC-168G | Anewtech IVC-268G | Anewtech IVCE-268G | Anewtech PM-6814 | Anewtech PM-6844 | Anewtech IVC-100G-RS | | |
|---------------------------|---|---|---|---|---|---|---|---|
| Form Factor | PCI | PCI | PCIe | PCI-104 | PCI-104 | PCI | | |
| Interface | | | | | | | | |
| Video input | 4 channels composite video NTSC/PAL/SECAM auto sensing | 4 channels composite video NTSC/PAL/SECAM auto sensing | 4 channels composite video NTSC/PAL/SECAM auto sensing | 4 channels composite video NTSC/PAL/SECAM auto sensing | 4 channels composite video NTSC/PAL/SECAM auto sensing | 4 channels composite video NTSC / PAL / SECAM auto sensing | | |
| Video input type | BNC | BNC | BNC | BNC | BNC | BNC | | |
| Audio input | 1 channel analog audio Active channel selectable by software | 4 channel analog audio | 4 channel analog audio | 1 channel analog audio Active channel selectable by software | 4 channel analog audio | N/A | | |
| Audio input type | Audio kit with 3.5 mm audio jack connector | Audio kit with 3.5 mm audio jack connector | Audio kit with 3.5 mm audio jack connector | Audio kit with 3.5 mm audio jack connector | Audio kit with 3.5 mm audio jack connector | N/A | | |
| PCI / PCI-104 interface | PCI Rev 2.1 compliance | PCI Rev 2.1 compliance | PCIe x1 | PCI Rev 2.1 compliance | PCI Rev 2.1 compliance | PCI rev 2.1 compliance | | |
| Video processing | | | | | | | | |
| Video Compression | Software compression | Software compression | Software compression | Software compression | Software compression | Software compression | | |
| Video engine | 1 x Techwell 6802/6805 | 4 x Techwell 6802/6805 | 4 x Techwell 6802/6805 | 1 x Techwell 6802/6805 | 4 x Techwell 6802 / 6805 | 1 x Conexant Fusion BT878A | | |
| Resolution & frame rate | NTSC: 720 x 480 704 x 480 640 x 480 320 x 240 | PAL / SECAM: 720 x 576 720 x 288 704 x 576 640 x 576 640 x 240 352 x 288 176 x 144 | NTSC: 720 x 480 704 x 480 640 x 480 320 x 240 | PAL / SECAM: 720 x 576 720 x 288 704 x 576 640 x 576 640 x 240 352 x 288 176 x 144 | NTSC: 720 x 480 704 x 480 640 x 480 320 x 240 | PAL / SECAM: 720 x 576 720 x 288 704 x 576 640 x 576 640 x 240 352 x 288 176 x 144 | NTSC: 720 x 480 704 x 280 640 x 480 352 x 288 320 x 240 176 x 112 | PAL/SECAM: 720 x 576 704 x 576 640 x 576 352 x 288 640 x 576 352 x 288 176 x 144 |
| | NTSC: Total 120fps@D1 for 4 channels PAL/SECAM: 100fps@D1 for 4 channels | NTSC: Total 120fps@D1 for 4 channels PAL/SECAM: 100fps@D1 for 4 channels | NTSC: Total 120fps@D1 for 4 channels PAL/SECAM: 100fps@D1 for 4 channels | NTSC: Total 120fps@D1 for 4 channels PAL/SECAM: 100fps@D1 for 4 channels | NTSC: Total 120fps@D1 for 4 channels PAL/SECAM: 100fps@D1 for 4 channels | NTSC: Total 120fps@D1 for 4 channels PAL/SECAM: 100fps@D1 for 4 channels | NTSC: up to 30fps at all resolutions PAL/SECAM: up to 25fps at all resolutions | |
| Audio processing | | | | | | | | |
| Audio compression | Software compression | Software compression | Software compression | Software compression | Software compression | N/A | | |
| Sampling rate | 8 kHz, 32 kHz, 44.1 kHz and 48 kHz (hardware spec.) | 8 kHz, 32 kHz, 44.1 kHz and 48 kHz (hardware spec.) | 8 kHz, 32 kHz, 44.1 kHz and 48 kHz (hardware spec.) | 8 kHz, 32 kHz, 44.1 kHz and 48 kHz (hardware spec.) | 8 kHz, 32 kHz, 44.1 kHz and 48 kHz (hardware spec.) | N/A | | |
| Quantization | 8-bit, 16-bit and 24-bit (hardware spec.) | 8-bit, 16-bit and 24-bit (hardware spec.) | 8-bit, 16-bit and 24-bit (hardware spec.) | 8-bit, 16-bit and 24-bit (hardware spec.) | 8-bit, 16-bit and 24-bit (hardware spec.) | N/A | | |
| System requirement | | | | | | | | |
| System | x86 compatible computer | x86 compatible computer | x86 compatible computer | x86 compatible computer | x86 compatible computer | x86 compatible computer | | |
| Memory | 256 MB or above | 256 MB or above | 256 MB or above | 256 MB or above | 256 MB or above | 256 MB or above | | |
| Graphic | DirectX compatible VGA card supporting YUV overlay mode | DirectX compatible VGA card supporting YUV overlay mode | DirectX compatible VGA card supporting YUV overlay mode | DirectX compatible VGA card supporting YUV overlay mode | DirectX compatible VGA card supporting YUV overlay mode | DirectX compatible VGA card supporting YUV overlay mode | | |
| Software support | | | | | | | | |
| Device driver | Windows® 2000, XP Linux kernel 2.6 | Windows® 2000, XP Linux kernel 2.6 | Windows® 2000, XP Linux kernel 2.6 | Windows® 2000, XP Linux kernel 2.6 | Windows® 2000, XP Linux Kernel 2.6 | Windows® 98 SE, ME, 2000, XP Linux kernel 2.4 | | |
| SDK | Provide SDK and demo program with sample source code in C++ | Provide SDK and demo program with sample source code in C++ | Provide SDK and demo program with sample source code in C++ | Provide SDK and demo program with sample source code in C++ | Provide SDK and demo program with sample source code in C++ | Provide SDK and demo program with sample source code in C++ | | |
| Others | | | | | | | | |
| Dimensions | 119.91 mm x 106.68 mm | 119.91 mm x 106.68 mm | 119.91 mm x 106.68 mm | 95.89 mm x 90.17 mm | 95.89 mm x 90.17 mm | 119.91 mm x 106.68 mm | | |
| Operation temperature | 0°C~60°C (32°F~140°F), non-condensing | 0°C~60°C (32°F~140°F), non-condensing | 0°C~60°C (32°F~140°F), non-condensing | 0°C~60°C (32°F~140°F), non-condensing | 0°C~60°C (32°F~140°F), non-condensing | 0°C~60°C (32°F~140°F), non-condensing | | |
| Power consumption | 10W, 2A@5V (with relay) | 12W, 2.4A@5V (with relay) | 12W, 1A@12V (with relay) | 10W, 2A@5V (with relay) | 4.5W, 0.9A@5V (without relay) | 10.7W, 2.14A@5V (with relay) | | |

Digital Video Surveillance

Video Capture Card

Hardware compression



| Model name | Anewtech IVC-200G-RS | | Anewtech IVCE-8784 | | Anewtech PM-1056 | | Anewtech IVC-8371P | |
|---------------------------|--|---|--|---|--|---|---|--|
| Form Factor | PCI | | PCI | | PCI-104 | | PCI | |
| Interface | | | | | | | | |
| Video input | 4 channels composite video NTSC / PAL / SECAM auto sensing | | 4 channels composite video NTSC/PAL/SECAM auto sensing | | 4 channels composite video NTSC/PAL/SECAM auto sensing | | 4 channels Composite video NTSC/PAL/SECAM | |
| Video input type | BNC | | BNC | | BNC | | BNC | |
| Audio Input | N/A | | N/A | | 4 channels | | 4 channels | |
| Audio input type | N/A | | N/A | | DB9 to 3.5mm phone jack audio cable | | DB9 to 3.5mm phone jack audio cable | |
| PCI / PCI-104 interface | PCI rev 2.1 compliance | | PCIe x1 | | PCI Rev 2.1 compliance | | PCI Rev 2.1 compliance | |
| Video processing | | | | | | | | |
| Video Compression | Software compression | | Software compression | | Software compression | | MPEG 4 / MPEG 2 / MPEG 1 | |
| Video engine | 4 x Conexant Fusion BT878A | | 4 x Conexant Fusion BT878A | | 1 x Conexant FusionTM BT878A | | MPEG 4 Hardware Encode / Decode | |
| Resolution & frame rate | NTSC: 720 x 480 704 x 280 640 x 480 352 x 288 352 x 240 320 x 240 176 x 112 | PAL/SECAM : 720 x 576 704 x 576 640 x 576 352 x 288 352 x 240 176 x 144 | NTSC: 720 x 480 704 x 280 640 x 480 352 x 288 352 x 240 320 x 240 176 x 112 | PAL/SECAM : 720 x 576 704 x 576 640 x 576 352 x 288 352 x 240 176 x 144 | NTSC: 720 x 480 704 x 280 640 x 480 352 x 288 352 x 240 320 x 240 176 x 112 | PAL/SECAM : 720 x 576 704 x 576 640 x 576 352 x 288 352 x 240 176 x 144 | NTSC: 720 x 480 @ 1-30fps | PAL/SECAM : 720 x 576@ 1 -25fps 720 x 240@ 1 -60fps 720 x 288@ 1 -50fps 360 x 240@ 1 -120fps 360 x 288@ 1 -100fps |
| | NTSC: up to 120fps at all resolutions PAL /SECAM: up to 100fps at all resolutions | | NTSC: up to 120fps at all resolutions PAL/SECAM: up to 100fps at all resolutions | | NTSC: up to 30fps at all resolutions PAL/SECAM: up to 25fps at all resolutions | | NTSC: up to 30fps at all resolutions PAL/SECAM: up to 25fps at all resolutions | |
| Audio processing | | | | | | | | |
| Audio compression | N/A | | N/A | | G.726(ADPCM/PCM) | | Encoding StandardG.726 (ADPCM/PCM) | |
| Sampling rate | N/A | | N/A | | 44.1 KHz and 48 KHz | | 8K, 44.1 KHz and 48 KHz | |
| Quantization | N/A | | N/A | | 128 bit secrete key, adjustable length | | 8 bit data depth | |
| System requirement | | | | | | | | |
| System | x86 compatible computer | | x86 compatible computer | | x86 PC compatible computer | | x86 PC compatible computer | |
| Memory | 256 MB or above | | 256 MB or above | | 256 MB or above | | 256MB or above | |
| Graphic | DirectX compatible VGA card supporting YUV overlay mode | | DirectX compatible VGA card supporting YUV overlay mode | | DirectX compatible VGA card supporting YUV overlay mode | | DirectX compatible VGA card supporting YUV overlay mode | |
| Software support | | | | | | | | |
| Device driver | Windows® 98 SE, ME, 2000, XP Linux kernel 2.4 | | Windows® 98, SE, ME, 2000, XP | | Windows 98 SE, ME, 2000, XP, Linux kernel 2.4 | | Windows 2000/ XP | |
| SDK | Provide SDK and demo program with sample source code in C++ | | Provide SDK and demo program with sample source code in C++ | | Provide SDK and demo program with sample source code in C++ | | Provide SDK and demo program Complete source code of demo program in C++ | |
| Others | | | | | | | | |
| Dimensions | 119.91 mm x 106.68 mm | | 95.89 mm x 90.17 mm | | 11 9.91 mm x 106.68 mm | | 119.91mm x 106.68mm | |
| Operation temperature | 0°C~60°C (32°F~140°F), non-condensing | | 0°C~60°C (32°F~140°F), non-condensing | | 0°C~60°C (32°F~140°F), non-condensing | | 0~60° C (32~140° F), non-condensing | |
| Power consumption | 15W, 3A@5V (with relay) | | 7.8W, 0.65A@12V (without relay) | | 3.5W@5V (with relay) | | 7.5W, 1.5A@5V (without relay) | |

Anewtech Video Surveillance series are designed to support multiple IVC card in a system, its driver can recognize and support multiple IVC card plugged into a system. As to the limitation of how many IVC cards can be plugged into a system is depend on system resources such as CPU performance, interface bandwidth, and number of available IRQ. The following table shows some example configurations of a system :

| Model | Codec | Video / Audio Capture | Video Capture |
|---|-----------------|-----------------------|---------------|
| IVC-168G / IVC-268G / IVCE-268G / PM-6814 / PM-6844 | N/A | Yes | - |
| IVC-100 / IVC-200 / IVCE-8784 / PM-1056 | N/A | - | Yes |
| IVC-8371 / PM-1059 | Encoder Decoder | Yes | - |
| IVC-4300 / PM-1058 | Encoder | Yes | - |



Digit LED to show its ID (identification)



The ID is programmed by a 4-digit DIP switch

- 1 Industrial Computer
- 2 Compact PC
- 3 Embedded Computer
- 4 Panel PC/ LCD Monitor
- 5 Human Machine Interface
- 6 Digital Advertising
- 7 Serial & Wireless Connectivity
- 8 Digital Video Surveillance
- 9 Network Security Appliance
- 10 Data Acquisition & Control
- 11 Industrial RFID
- 12 Industrial Ethernet Switch
- 13 Medical PC
- 14 Power Supply
- 15 Accessories

Digital Video Surveillance

Video Capture Card



| Model name | Anewtech IVC-4300-RS | Anewtech PM-1058 | Anewtech PM-1059 | Anewtech DVP - 1412 | Anewtech DVP - 7421 | Anewtech DVP - 2420 |
|---------------------------|--|---|--|---|---|---|
| Form Factor | PCI | PCI-104 | PCI-104 | USB2.0 | PCI | PCI-104 |
| Interface | | | | | | |
| Video input | 4 channels composite video NTSC / PAL / SECAM auto sensing | 4 channels composite video NTSC / PAL / SECAM auto sensing | 4 channels composite video NTSC/PAL/SECAM auto sensing | 4 channels composite video NTSC/PAL/SECAM auto sensing | 4 channels composite video NTSC/PAL/SECAM auto sensing | 4 channels composite video NTSC/PAL/SECAM auto sensing |
| Video input type | BNC | BNC | BNC | BNC | BNC | BNC |
| Audio input | 4 channels | 2 channels | 4 channels | - | 4 channels | 4 channels |
| Audio input type | DB9 to 3.5 mm phone jack audio cable | DB9 to 3.5 mm phone jack audio cable | DB9 to 3.5 mm phone jack audio cable | 1 stereo input (phone jack) | 1 stereo input (phone jack) | 2 stereo input |
| PCI / PCI-104 interface | PCI Rev 2.1 compliance | PCI Rev 2.1 compliance | PCI Rev 2.1 compliance | PCI Rev 2.1 compliance | PCI Rev 2.1 compliance | PCI Rev 2.1 compliance |
| Video processing | | | | | | |
| Video Compression | MPEG 4/2/1 | MPEG 4/2/1 | MPEG 4/2/1 | - | - | - |
| Video engine | MPEG 4 Hardware Encode | MPEG 4 Hardware Encode | MPEG 4 Hardware Encode / Decode | | MJPEG, MPEG-4 | MJPEG, MPEG-4 |
| Resolution & frame rate | NTSC: 720 x 480 720 x 240 640 x 480 320 x 240 176 x 144 PAL / SECAM : 720 x 576 480 x 576 352 x 576 352 x 288 176 x 144 | NTSC: 720 x 480 352 x 240 PAL / SECAM : 720 x 576 352 x 288 | NTSC: 720 x 480 @ 1-30fps 720 x 240 @ 1-60fps PAL/SECAM : 720 x 576 @ 1-25fps 720 x 288@1-50fps 360 x 288@1-100fps | D1/ VGA/ QVGA/CIF | D1/ VGA/ QVGA/CIF | D1/ VGA/ QVGA/CIF |
| | NTSC: up to 120fps at all resolutions PAL/SECAM: up to 100fps at all resolutions | NTSC: up to 30fps at all resolutions PAL/SECAM: up to 25fps at all resolutions | NTSC: up to 30fps at all resolutions PAL/SECAM: up to 25fps at all resolutions | NTSC/PAL: Total 30/25 fps | NTSC/PAL: Total 30/25 fps | NTSC/PAL: Total 30/25 fps |
| Audio processing | | | | | | |
| Audio compression | ADPCM / PCM | Software compression | G.726(ADPCM/PCM) | APPCM | MPEG 1 layer | MPEG layer |
| Sampling rate | 44.1 KHz and 48 KHz | 8 K, 32 K, 44.1 KHz, and 48 KHz (hardware spec.) | 8K, 44.1 KHz and 48 KHz | - | - | |
| Quantization | 16-bit | 8-bit, 16-bit, and, 24-bit (hardware spec.) | 8-bit data depth | | | |
| System requirement | | | | | | |
| System | Intel® Pentium®4 2.0 GHz or above | x86 compatible computer | x86 compatible computer | | | |
| Memory | 256 MB or above | 256 MB or above | 256 MB or above | 256 MB or above | 256 MB or above | 256 MB or above |
| Graphic | DirectX compatible VGA card supporting YUV overlay mode | DirectX compatible VGA card supporting YUV overlay mode | DirectX compatible VGA card supporting YUV overlay mode | DirectX compatible VGA card supporting YUV overlay mode | DirectX compatible VGA card supporting YUV overlay mode | DirectX compatible VGA card supporting YUV overlay mode |
| Software support | | | | | | |
| Device driver | Windows® 2000/ XP | Windows® 2000, XP | Windows® 2000, XP | Windows® 2000, XP | Windows® 2000, XP | Windows® 2000, XP |
| SDK | Provide SDK and demo program with source code in C++ | Provide SDK and demo program with source code in C++ | Provide SDK and demo program with source code in C++ | | | |
| Others | | | | | | |
| Dimensions | 180.73 mm x 113 mm | 95.89 mm x 90.17 mm | 95.89 mm x 90.17 mm | | | |
| Operation temperature | 0~60° C (32~140° F), non-condensing | 0° C~65° C | 0° C~60° C (32° F~140° F), non-condensing | -0 ~ 60° C | -0 ~ 60° C | -0 ~ 60° C |
| Power consumption | 7.5W, 1.5A@5V (without relay) | 7.5 W, 1.5 A@5V (without relay) | 7.5W, 1.5A@5V (without relay) | Max. 5.0 V DC at 500 mA | Max. 5.0 V DC at 500 mA | 2.3 A @ 3.3 V, 0.5 A @ 5 V |

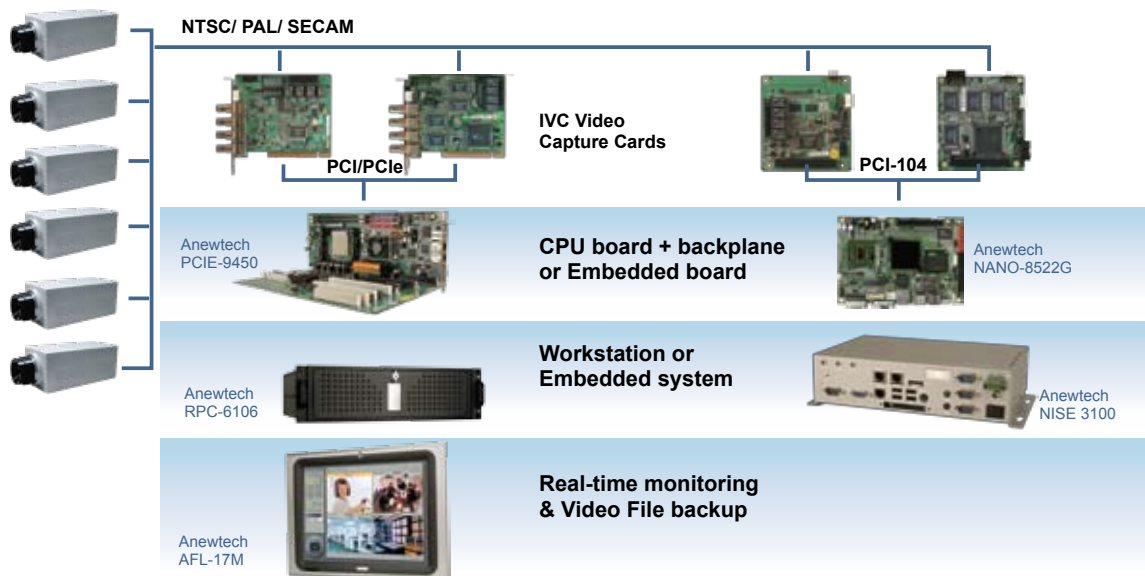
Anewtech IVC series support multiple IVC card to be plugged into a system. Each IVC card provide one digit LED to show its ID (identification), and the ID is programmed by a 4-digit DIP switch. Anewtech IVC SDK also provides application programming interface (API) to get device name, and demo application software shows how to display device names in screen. The advantages are ease of maintenance and debugging.

Digital Video Surveillance

Video Capture Card



| Model Name | Anewtech PV-600E | AnewtechPV-800E | Anewtech PV-1000E | Anewtech PV-2000E | Anewtech PV-2200E |
|------------------------------|--|-------------------------|-------------------------------------|-------------------------|--|
| Compression Format | Software Compression (MPEG-4, MJPEG) | | | | |
| Input Type | BNC | BNC | BNC | D-Type | D-Type |
| Video Input | 4 | 16 | 16 | 4 | 16 |
| Audio Input | N (one channel through motherboard) | | 16 | 4 | 16 |
| Resolution | CIF, Half D1, D1, (VGA needs DirectX 9) | | D1, Half D1, CIF | | CIF/ Half D1 D1 (half the video channels) |
| Display Rate (fps) | 30 (NTSC) 25 (PAL) | 120 (NTSC) 100 (PAL) | 480 (NTSC) 400 (PAL) | 120 (NTSC) 100 (PAL) | 480 (NTSC) 400 (PAL) |
| Max Recording Rate (fps) | 30 (NTSC) 25 (PAL) | 120 (NTSC) 100 (PAL) | CIF: 480 Half D1: 240 D1: 120 | 120 (NTSC) 100 (PAL) | 480 (NTSC) 400 (PAL) |
| Max Card Stack | 4 x cards | 2 x cards | 1 x card | 8 x cards up to 32 CH | 2 x cards up to 32 CH |
| Max Recording Rate | 120 (NTSC) 100 (PAL) | 240 (NTSC) 200 (PAL) | 480 (NTSC) 400 (PAL) | 960 (NTSC) 800 (PAL) | 960 (NTSC) 800 (PAL) |
| I/O (option) | 4 DI/ 4 DO | 16 DI/ 16 DO | 16 DI/ 16 DO | 16 DI/ 16 DO | 16 DI/ 16 DO |
| Hardware Watchdog | Yes | Yes | Yes | No | Yes |
| Host Interface | PCI | | | | |
| Software Version | PowerView 6000 | | | | |
| System Requirement (Minimum) | | | | | |
| CPU | Intel P4 3.0 GHz | Intel P4 3.0 GHz | Intel P4 3.0 GHz | Intel P4 2.8 GHz | Intel P4 2.8 GHz |
| VGA | 512 MB | 512 MB | 512 MB | 256 MB | 512 MB |
| OS | NVIDIA Geforce FX-5200 128 MB or ATI Radeon 9550 128 MB (supports DirectX 9) | | | ATI Radeon 9550 128 MB | |
| DirectX | Windows® 2000/ Windows® XP/ Windows® Server 2003/ Windows® XP Embedded | | | | |
| Hard Disk Space | 80 GB | | | | |
| Power Supply | One HDD: 250 W Two or three HDDs: 300 W Three or Four HDDs: 350 W Four or Five HDDs: 400 W Six or more HDDs: 460 | | | | |



- 1 Industrial Computer
- 2 Compact PC
- 3 Embedded Computer
- 4 Panel PC/ LCD Monitor
- 5 Human Machine Interface
- 6 Digital Advertising
- 7 Serial & Wireless Connectivity
- 8 Digital Video Surveillance
- 9 Network Security Appliance
- 10 Data Acquisition & Control
- 11 Industrial RFID
- 12 Industrial Ethernet Switch
- 13 Medical PC
- 14 Power Supply
- 15 Accessories

Digital Video Surveillance

Video Surveillance Camera



| Model Name | Anewtech JV-601 | Anewtech JV-831 | Anewtech JV-301 | Anewtech JV-303 |
|--------------------|---|---|---|---|
| Image Device | NTSC:1/60~1/100,000, PAL:1/50~1/100,000 | 1/3" Sony Color Super HAD CCD Sensor | 1/3" Color Sony Super HAD CCD/ Sony DSP | 1/3" Color Sony Super HAD CCD/ Sony DSP |
| Picture Elements | 0.45 | NTSC:510x492, PAL:500x582 | NTSC:510x492, PAL:500x582 | NTSC:510x492 PAL:500x582 |
| Resolution | Board Lens 3.6mm/ F2.0 (Option: 6/8/12mm) | 420 TVL | 420 TVL | 420TVL |
| Min. Illumination | Auto | 0.2 Lux / F 2.0 | 0.2 Lux / F 2.0 | 0.1 Lux / F 1.4 |
| S/N Ratio | Auto | More than 48dB | More than 48dB | More than 48dB |
| Electronic Shutter | Internal | NTSC:1/60~1/100,000, PAL:1/50~1/110,000 | NTSC:1/60~1/100,000, PAL:1/50~1/110,000 | NTSC:1/60~1/100,000, PAL:1/50~1/110,000 |
| Gamma | 1/4" Color Sony Super HAD CCD | 0.45 | 0.45 | 0.45 |
| Lens Furnished | NTSC:510x492, PAL:510x582 | Cone Lens 3.7mm / F2.0 | Board Lens 3.6mm / F2.0 (option:2.5/4.3/6/8/12mm) | Board lens 3.6mm / F2.0 |
| White Balance | 350 TVL | Auto | Auto | Auto |
| Gain Control | 0.4 Lux / F 2.0 | Auto | Auto | Auto |
| Sync. System | More than 48dB | Internal | Internal | On / Off |
| Video Output | 1 Vp-p / 75 Ohms | 1 Vp-p / 75 Ohms | 1 Vp-p / 75 Ohms | 1 Vp - p / 75Ohms |
| Audio Output | | 2 Vp-p/50 Ohms (option) | 2 Vp-p / 50 Ohms (option) | 2 Vp - p / 50 Ohms (option) |
| Power Supply | DC12V±10% | DC12V±10% | DC12V±10% | DC 12 V ± 10% |
| Power Consumption | 117 mA max. | 142mA max. | 120mA max. | 142mA max. |
| Operating Temp. | -10°C ~ 50°C | -10°C ~ 50°C | -10°C ~ 50°C | -10°C ~ 50°C |



| Model Name | Anewtech JV-910 | Anewtech JV-B710 |
|--------------------|---|---|
| Image Device | 1/3" Color Sony Super HAD/ Sony DSP | 1/3" Color Sony Super HAD/ Sony DSP |
| Picture Elements | NTSC:510x492, PAL:500x582 | NTSC:510x492, PAL:500x582 |
| Resolution | 420 TVL | 420 TVL |
| S/N Ratio | More than 48dB | More than 48dB |
| Electronic Shutter | NTSC:1/50~1/100,000, PAL:1/50~1/110,000 | NTSC:1/60~1/100,1000, PAL:1/50~1/110,000 |
| Gamma | 0.45 | 0.45 |
| Lens | 6mm (OPTION : 3.6 / 4.3 / 8 / 10 / 12 mm) | 6mm (OPTION : 3.6 / 4.3 / 8 / 10 / 12 mm) |
| White Balance | Auto | Auto |
| Gain Control | Auto | Auto |
| Sync. System | Internal | Internal |
| Video Output | 1 Vp-p / 75 Ohms | 1 Vp-p / 75 Ohms |
| Power Supply | DC12V±10% | DC12V±10% |
| Power Consumption | 300 mA max. | 300 mA max. |
| IR LED | High brightness Crystal View LED x 6 + IR LED x 5 | High brightness Crystal View LED x 6 + IR LED x 5 |
| IR Wavelength | 850 mm | 850 mm |
| IR range | 20M | 20M |
| Storage Temp. | -30°C ~ 60°C | -30°C ~ 60°C |
| Operating Temp. | -10°C ~ 45°C | -10°C ~ 45°C |

| Model Name | Anewtech JV-SP01 |
|-----------------------|--|
| Video Signal | 1.0Vp-p/75Ω(Video 0.714Vp-p / Syc 0.286Vp-p) |
| Picture Elements | NTSC:768(H) x 494(V) / PAL: 752(H) x 582(V) |
| Horizontal Resolution | 480 TV Lines |
| AGC | Auto (24 dB Max) |
| ALC | Auto / Fix |
| AES | Auto / Fix |
| White Balance | ATW / AWB |
| Optical Zoom | 23 x Zoom |
| Digital Zoom | 10 x Zoom |
| Position | 128 Position (Zoom , Focus) |
| External Control | RS-485 |
| OSD Control | Zoom , Focus , Iris , AWB , AGC , Position , C Gain , APC Gain |
| Enhancer | Manual H.Gain & V Gain |
| Pan | Pan Range 0~360°, Speed 0.5~260°/S |
| Tilt | Tilt Range 0 ~ 90°, Speed 0.5~ 120°/S |
| Preset | 128 Preset Positions (Max) |
| Auto Cruise | 1 Auto Cruising Tracks (Max) |
| Power Source | AC24v / 1.7A |
| Working Temperature | 0°C ~ 40°C (-30°C ~ 50°C with heater & blower) |
| Humidity | 10°C ~ 90°C |