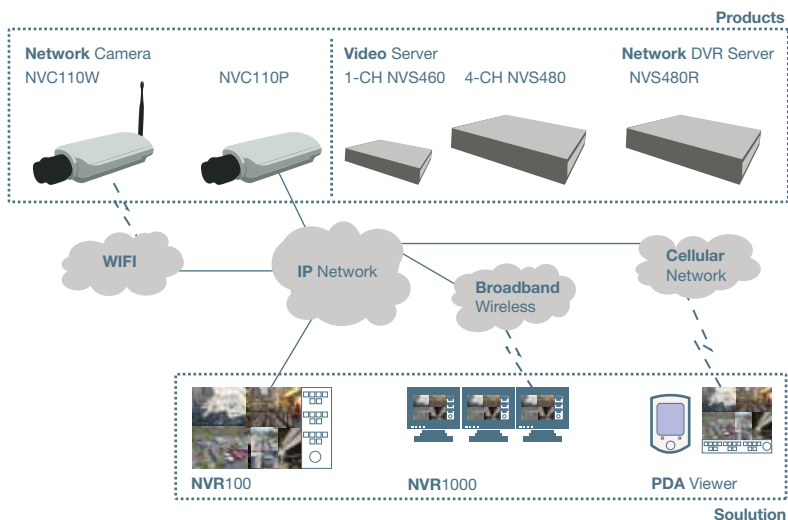


AirGoggle™ NVC110/ NVC110P/ NVC 110W

Professional Network Color Video Camera Series

The AirGoggle NVC Camera Series is an all-in-one digital network camera which transmits live streaming video and audio to remote users via internet. Unlike other network cameras using still picture coding technology (M-JPEG, Wavelet coding, ect.) the state-of-the-art video coding (MPEG-4) and speech coding (ADPCM) technologies are integrated in the AirGoggle NVC Cameras. The user of AirGoggle NVC Cameras can acquire either similar quality of video with significantly lower network bandwidth or much higher quality of video with same network bandwidth.



Applications

- **Remote Security**
Homes, offices, warehouses, retail stores
Schools, baby care, kindergarten
Construction sites
Manufacturing floors, factories
Public areas
- **Entertainment**
Sports, Festivals, Carnivals
- **Business**
Real-time video conference
Remote office and monitoring
- **Education**
Distance learning, Multicasting
- **Special Purpose**
Traffic monitoring
Web cam
Weather and scientific observation
Medical monitoring

Features and Benefits

- Camera Module 1/3 inch Sony Super HAD CCD(270K pixels)
- Highly efficient MPEG-4 video compression (100:1), at least 10 TIMES more efficient, in terms of the network bandwidth usage, when it is compared to Motion JPEG (M-JPEG)
- ADPCM (32Kbps) Real Audio Coding based on ISO Standards
- Support up to 30 frames/sec, minimum storage needed
- User selectable lens (C/CS mount)
- Video Resolution
NTSC:640x240 (640x480 displayed)
320x240 (QVGA), 176x144 (QCIF)
- PAL/SECAM : 704x288(encoded, 704x578 displayed), 352x288 (CIF), 176x144(QCIF)
- Frame Rate
NTSC: max 30 frames/sec
PAL/SECAM: max 25 frames/sec
- Sensitivity(minimum luminance for operation) : 0.5 Lux
- Automatic download and installation
- Embedded Streaming Server transmitting synchronized video and audio data in a single channel simultaneously
- Capability to save and retrieve audio/video stream and still image

Client PC System Requirements

Minimum PC Specifications	Recommended PC Specifications
CPU: Pentium III, 700MHz	CPU: Pentium 4, 1.5GHz
Main Memory: 128MB	Main Memory: 256MB
Web Browser: MS Internet Explorer 4.0 or Newer	Web Browser: MS Internet Explorer 5.0
Resolution: 800x600 or Higher	Resolution: 1024x768
Network: Ethernet 10 Base-T LAN	Network: Ethernet 10 Base-T LAN

- Active-X based client viewer program (1CH, 16CH)
- Packaged with a free user-friendly NVR100 Client Viewer & Video Recorder Software
- User Registration and Password Protection Capability
- Easy brightness/contrast control
- Supported Protocols
TCP/IP, ARP, ICMP, FTP, RTP, SDP, DHCP, HTTP, SMTP, RTSP, PPPoE
- Multi-zone motion detected alarm
- Pan/Tilt control capability with RS-485 interface
- Sensor triggered one alarm input and one relay output
- Event triggered or periodic data transmission to remote server (FTP and/or email)
- Hardware includes 32bit RISC embedded processor
- System Development Kit (SDK) offers APIs for software integration of video applications
- An integrated web server eliminates needs of connecting to a PC or other devices to view video

AirGoggle™ NVC110/ NVC110P/ NVC110W



NVC110



NVC110P
PoE



NVC110W
Long Range Wireless

Camera Module	NVC110	NVC110P PoE	NVC110W Long Range Wireless
1/3 inch Sony SuperHAD CCD (270K pixels) Auto Iris, Vari-focus	●	●	●
Auto Iris Vari-focal F1.4, 3.5~8.0 mm (CS mount)	●	●	●
Video Compression			
MPEG-4 (36Kbps -1.5 Mbps) for video	●	●	●
Max Video Resolution			
NTSC: 640x240 (encoded, 640x480 displayed) 320x240(QVGA), 176x144(QCIF)	●	●	●
PAL/SECAM: 704x288 (encoded, 704x578 displayed) 352x288(CIF), 176x144(QCIF)	●	●	●
Frame Rate			
NTSC: VGA (max 30 frames/sec) QVGA (max 120 frames/sec)	●	●	●
PAL/SECAM (max 25frames/sec)	●	●	●
P/T Control			
RS-485 interface	●	●	●
ActiveX Viewer Software			
1CH to 16CH Selectable	●	●	●
Bidirectional Audio			
ADPCM (32Kbps) for audio	●	●	●
Minimum Illumination			
0.5 Lux	●	●	●
Security			
User Registration and Password Protection	●	●	●
Alarms and I/O Control			
Motion detected alarm and Sensor triggered one alarm input & one relay output	●	●	●
Event triggered or periodic data transmission to remote server (FTP and/or email)	●	●	●
Network Access and Protocols Supported			
TCP/IP, ARP, ICMP, HTTP, SMTP, FTP, DHCP, RTP, RTSP, SDP, PPPoE, Ethernet	●	●	●
IEEE 802.11b long range wireless (200w Tx power)			●
Multiple Access Network Provided			
Ethernet, ADSL Modem, Cable Modem	●	●	●
Client Viewer Software			
Active-X based client viewer program (1CH, 16CH)	●	●	●
Capability to save and retrieve audio/video stream and still image	●	●	●
Automatic download and installation	●	●	●
Power			
DC 12Volt/ 1A/ SMPS	●	●	●
Regulatory Approval			
FCC, CE, UL	●	●	●

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