

AST-ID2810NVF

IP NETWORK CAMERA



Features

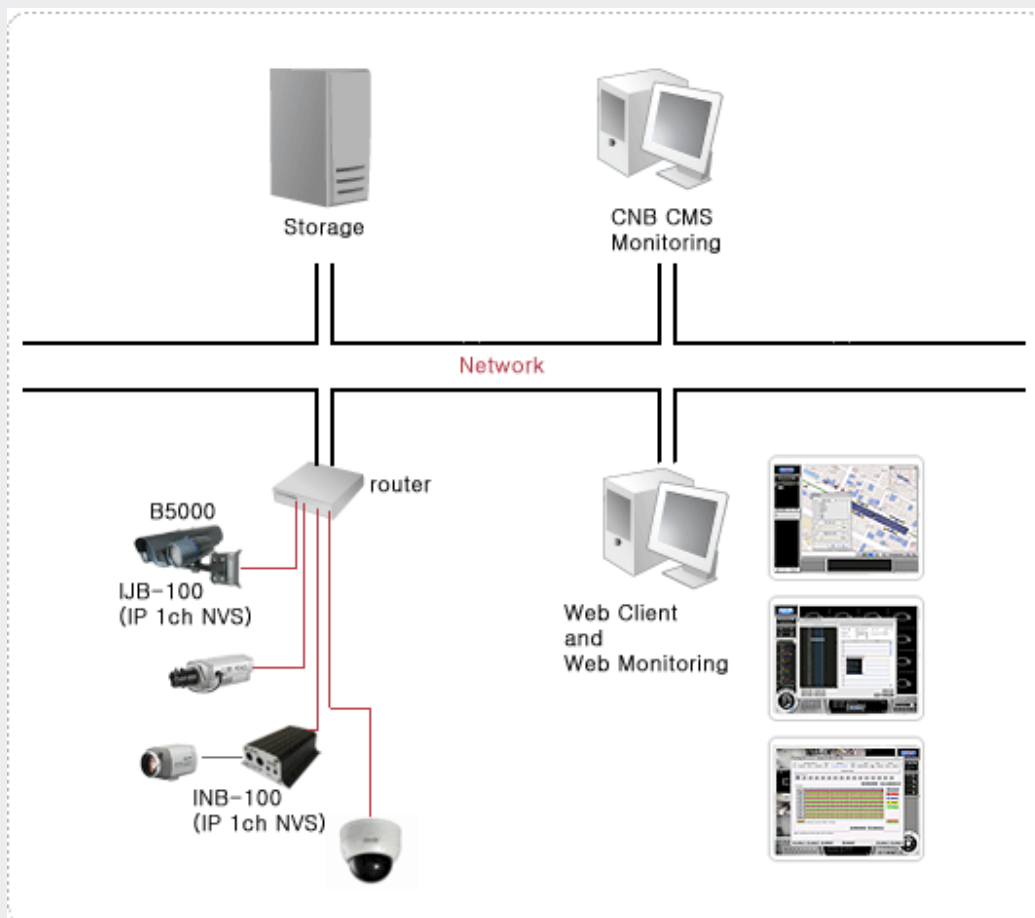
- 1/3" Sony Super HAD CCD
- Super High Resolution : 550 TV Lines
- Built-in DC Iris Vari-focal Lens (f=4~9mm)
- TDN (ICR)
- Electronic Sensitivity-up (DSS)
- SDNR (Super Digital Noise Reduction)
- RTOS, Max. 30fps
- Embedded Streaming Video & Web server
- Bi-directional audio communication
- Supplies View & Recording/Control SW
- 12VDC

Optional Model:

AST-ID2410NVF

: 480TVL, without (TDN(ICR), D-Zoom, SDNR)

System Diagram



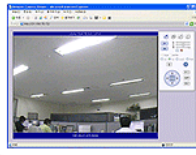
01. Powerful Network monitoring

- MPEG-4 High resolution Full D1 up to 30 frames/sec
- NTSC : 704x480, 352x240, 176x144.
- PAL/SECAM : 704x576, 352x288, 176x144
- Built-in hardware De-interlacing noise filter
- Support for 2-way audio control with MIC and external line-in
- Optimizing data control for network bandwidth
- Ready! World Wide Network protocol
- : TCP/IP, RTP, RTSP, DHCP, PPPoE, ARP, ICMP, HTTP, SMTP, FTP, SDP
- Support NTP server

AdSec CMS



Web Viewer



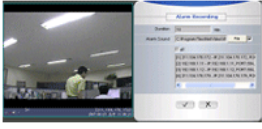
iNVR Client Viewer



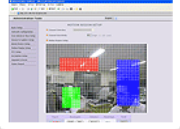
02. Dynamic Surveillance trigger

- Motion detection region Setup (support 3 region)
- Directly trigger event detection (Motion detection / Sensor alarm)
- 1 Alarm sensor input/1 relay output
- Detection Video Transmission by E-mail and FTP server

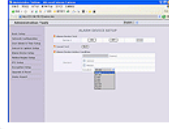
Alarm Recording Mode



Setup Motion Detection



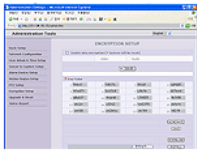
Setup Alarm Device



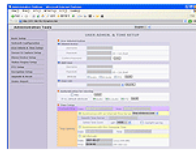
03. System Security

- Support IP Filtering
- Multi Protection User Access Control
- Super User can Define Normal User Setup
- Each User Level Control
- Support Data Encryption
- Encryption for Video & Audio Data
- Can User Define Multi Key Value

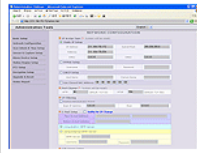
Encryption Setup



User Setup



Network Setup



04. Expansion function

- Useably PTZ Control with Preset Function
- Selectivity System Upgrade
- Support Web Viewer / XNET Viewer Application
- Support AdSec CMS
- Proprietary PoE (Power over Ethernet) for installation convenience.

AdSec CMS with XNET viewer



PTZ Setup



iNVR XNET viewer



05. De-interlacing Video Enhance

- Built-in High Quality Hardware De-interlacing Filter



AdSec IP Camera
: High Quality Hardware de-interlacing
De-interlacing Image (720*480)



Normal IP Camera - Interlaced Video
Interlacing Image (720*480)

SPECIFICATIONS

AST-ID2810NVF / AST-ID2810PVF		Specifications
CCD Camera	Signal System	NTSC: ID2810NVF, PAL : ID2810PVF
	Scanning System	2:1 Interlace
	Scanning Frequency (H)	NTSC: 15.734kHz, PAL: 15.625kHz
	Scanning Frequency (V)	NTSC: 59.94kHz, PAL: 50Hz
	Image Sensor	1/3" SONY Super HAD CCD
	Sync. System	Internal
	Total Pixel Number	NTSC: 811(H) x 508(V) 410K, PAL: 795(H) x 596(V) 470K
	Effective Pixels Number	NTSC: 768(H) x 494(V) 380K, PAL: 752(H) x 582(V) 440K
	Horizontal Resolution	550 TV Lines
	Video Output Level	1.0Vp-p (75Ω, composite)
	S/N Ratio	More than 50dB (AGC Off)
	Lens	DC Iris Vari-focal lens (f=4-9mm, F1.5)
	Digital Zoom Ratio	2x (On/Off)
	Day&Night Type	Electronic Sensitivity-up(DSS), ICR(AGC Type)
	Min. Illumination	0.3Lux(Color) / 0.1Lux(B/W) / 0.008Lux(DSS x32, Color) / 0.001Lux(DSS x32, B/W)
	Digital Noise Reduction (SDNR)	Auto
	AGC	On/Off
	BLC, Flickerless	On/Off
	White Balance	Auto/Hold/Manual
	Electronic Shutter Speed	NTSC: 1/60 ~ 1/120,000sec, PAL: 1/50~1/120,000sec
System	CPU	32bit RISC Embedded Process
	OS	Embedded RTOS
Video / Audio	Compression	Video : Mpeg4, Audio : ADPCM
	Frame rate	Max. D1 30fps(NTSC), 25fps(PAL)
	Resolution	NTSC: 704 x 480, 352 x 240, 176 x 144, PAL: 704 x 576, 352 x 288, 176 x 144
	Audio way port	2way Audio
Network	Protocol	Http, TCP/IP, ARP, FTP, PPP, SMTP, ICMP, DHCP, RTP, RTSP, SDP, PPPoE
	LAN Interface	Ethernet 10/100 Base-T (RJ-45 Type)
	Browser	Internet Explorer 5.0 or higher
	OS	Windows 2000 Professional / Windows XP Professional / Windows XP Home Edition
	Application	Web Viewer (Window Web Browser Base) XNET-NVR
	Remote system upgrade	Support Manual Upgrade
Additional Function	Motion detection	Support 3 Region
	Wireless connection	IEEE 802.11b/g (OPTION: WD2810xVF)
	DDNS	X-DSL / Cable modem DDNS server (www.ipDVRfree.com)
	Install unit	IP-Installer MAC Clone
Security Function	Access level setup	Admin define level user setup
		Authentication for monitoring Video / Audio
		Directional Level Viewing
Network Security	IP Filtering	
DIO	Alarm Input/Output	1 Input (NC/NO Selectable) / 1 Output (Relay)
Mechanical	Operating Temperature	0°C ~ 40°C
	Power	DC 12V(7~23V) Max. 8W