



### Features

- 1/3" High Sensitivity CCD, 580TVL
- XWDR, 3D-DNR, TDN(ICR), D. Zoom
- Min. Illumination : 0.0002 Lux
- Privacy Zone, Motion Detection, Eclipse
- Hybrid IP : NTSC/PAL 1.0Vp-p (BNC Type, Composite)
- Hardwired De-interlace Image Processor
- Dual Stream MJPEG / H.264 (or MPEG4)  
Resolution D1 up to 30 frames/sec
- Support Two-way Audio (ADPCM)
- Support Local Storage by SD Memory Card
- Ethernet 10/100 Base-T (PoE)

### 580 TV Lines Ultra High Resolution

Automatically applies the optimal edge weight by assessing the edge data of surrounding, resulting in more natural, non-artificial picture quality.



Normal DSP

Blue - I DSP

### 3-DNR

The "3D-DNR" feature of CNB's Blue-I DSP renders optimal image quality by applying appropriate filter intensity for various lighting conditions. In addition the "Global Motion" feature automatically minimizes any ghost effect on moving objects.



3-DNR OFF

3-DNR ON

### WDR (Wide Dynamic Range)

The "WDR" feature of CNB's Blue-I DSP produces a clear, balanced image by capturing both the bright and dark areas of the camera view. In essence, it is capable of processing a wide range of light by minimizing saturation from areas of direct sunlight and enhancing darker indoor areas.



WDR OFF

WDR ON

### Eclipse Function

Blue-I's "Eclipse" feature operates in association with the analog gain in low light conditions. By masking areas of bright light and compensating for areas of low light, it produces a clear picture especially when looking at a license plate of a vehicle with its headlights on.



Eclipse OFF

Eclipse ON

### High Sensitivity True D&N

True Day & Night feature with mechanical ICR (IR Cut-filter Removal) allows for clear picture during day or night.



Normal DSP

Blue - I DSP

### Stabilizer

The "Stabilizer" feature in essence stabilizes the camera view against external forces such as wind.



Stabilizer OFF

Stabilizer ON

## XNET Main Feature



### Hybrid IP Technology

XNET can support Hybrid technology. At a standard analog CCTV BNC composite connection for CCTV system. At the same time, monitoring image over IP.



### XNET APP (XNET Alliance Partner Program)

CNB well organized and optimized SDK&API is perfectly compatible with any kind of open platform scalable VMS developers to provide total solutions for customer. CNB always welcomes to join XNET Alliance Partner Program. -Feb. 2010



## XNET Applications



### Plug & Easy Play over IP

XNET supports plug and play with wizard installer. Auto system configuration and easily user setup by XNET applications.

- Simple install for network and systems setup
- Simultaneously systems setup
- Support UPnP, Bonjour for easy installation



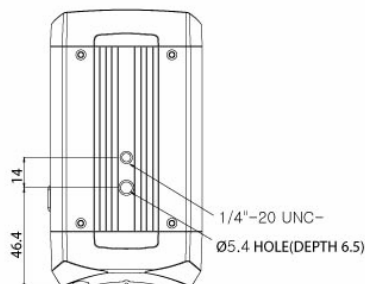
### XNET CMS / XNET NVR

CNB XNET CMS/ NVR is the world first software that combines alarm monitoring and video surveillance seamlessly

- Multi-level user group / Interactive E-Map
- User-friendly windows-shell design with docking station utility panels
- Interactive Control, Triple monitors
- Easy to Use, All-in-One screen
- Compatible with various NVS, IP Camera, NVR in a System



### Dimensions



### Rear Part



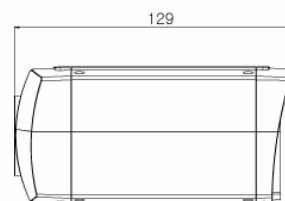
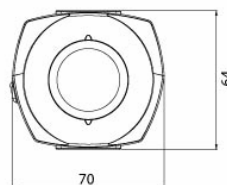
### XNET APP (XNET Alliance Partner Program)

CNB XNET Products support Open-API for partners. Supplying a dynamic SDK based on API for various IP security environment. Join hands with XNET Alliance Partner Program, you can make a stable and strong IP security environment with improving your CMS and NVR.



#### [SDK Package Items]

- Sample Program and System Library for debug
- Release Mode Sample Method
- Documentation for SDK
- Sample Header File
- Library(debug/release)
- Sample Source Code (by Visual Studio 2005)



## Specifications

IGB1110NF/PF		Specifications
Camera	Signal System	NTSC/PAL
	Scanning System	2:1 Interlace
	Image Sensor	1/3" High Sensitivity CCD
	Sync. System	Internal
	Effective Pixels Number	768(H) x 494(V) 380K / 752(H) x 582(V) 440K
	Horizontal Resolution	580 TV Lines
	Video Output Level	1.0Vp-p (75Ω, composite) / Digital Interface with ITU656
	S/N Ratio	More than 52dB (AGC Off, BW Mode)
	Lens Mount	CS Mount
	Min. Illumination	0.05 Lux(Color) / 0.0002Lux(DSS On, BW)
	Day & Night System	ICR(AGC Type)
	White Balance	Auto/Manual (Red, Blue Gain Adjustable)
	AGC/BLC	Off / Low / Middle / High
	Digital Slow Shutter	Off/2x~128x Field
	OSD Menu	Control On/Off over IP
	WDR (Wide Dynamic Range)	Up to 60dB (Low/Middle/High)
	3D-DNR	Level (0~63)
	Brightness, Sharpness Control	1~100
	Eclipse Function / Privacy Zone	On/Off (16 Zone), Control On/Off (8 Zone Settings) over IP
	Stabilizer	On/Off
	D-Effect	V-Flip / Mirror / Rotate
	Electronic Shutter Speed	NTSC : 1/60 ~ 1/90,000sec. / PAL : 1/50 ~ 1/90,000sec.
Video / Audio	Compression	MJPEG / MJPEG / H.264
	Frame rate	Dual Mode : MJPEG (15FPS), MPEG / H.264 (30fps)
	Resolution	D1 (NTSC: 704 x 480 / PAL: 704 x 576) / CIF (NTSC : 352 x 240 / PAL: 352 x 288)
	Video streaming	MJPEG / H.264 (or MPEG4) Dual Mode
		Constant and variable bit rate in MPEG4 (128kbps ~ 3M bps), Controllable frame rate and bandwidth
	Audio	Two-way (full duplex / ADPCM G.726)
Network	Protocol	IPv4, HTTP, TCP, RTSP, RTP, RTCP, UDP, SMTP, FTP, ICMP, DHCP, UPnP, Bonjour, ARP, DNS, DynDNS
	Supported DDNS	1. CNB DDNS 2. DynDNS.org 3. Reference code with SDK
	LAN Interface	Ethernet 10/100 Base-T (RJ-45 Type)
	Support PoE	Standard IEEE 802.3af supported
Security	Access level setup	Multiple user access levels with password protection
	Network Security	IP Filtering
Alarm and Event Management	Image detection	Motion detection (Select 3 Regions - each area)
	Sensor detection	Sensor In, Scheduling, Alarm out
	After Event process	JPEG Image upload over FTP server / SMTP (E-mail server)
	Local storage	JPEG Image write to Internal & SD card memory - Internal memory : Max 32MByte / - SD memory : Support size Max 4GByte
	Pre / Post alarm	Detail time-set : Max Pre alarm 5 sec / Post alarm 8 sec Local storage (Internal memory or SD card memory : JPEG image)
Applications	Browser	Internet Explorer 6.0 or Higher
	Monitoring Application	XNET NVR, CNB CMS and Utility (IP-Installer, etc), 3rd party SW
Maintenance	System Upgrade	Firmware upgrade over HTTP
	PTZ control (RS-485)	PTZ Protocol Service (User define update)
Mechanical	Operating Temperature	0℃ ~ 40℃
	Power	DC 12V Max. 5 W