



3 Megapixel H.264+ ABF Intelligent Box Network Camera

BH-331NB-G Premium



- 3 Megapixel high resolution with Sony Exmor CMOS image sensor
- H.264+, H.264 high profile, main profile, baseline and MJPEG simultaneously
- 25 / 30 fps real time at all resolution
- Fast (100Base-TX) Ethernet, support Power over Ethernet: IEEE 802.3af Class3
- Built-in camera tampering, motion detection
- Auto back focus (remote)
- Support various protocols: RTSP, UPnP, , HTTPS, Samba, SNMP, QoS
- Event trigger action: Send to NAS, send to FTP, send to Email, voice alert, notify to HTTP/TCP servers
- Power over Ethernet: IEEE 802.3af Class3

Camera

Image Device	Sony Exmor™ 1/2.8" COMS Sensor
Effective Pixels	30 fps at 2048x1536
Lens	Optional lens C/ CS mount, support DC and P-iris
Focus	Auto Back Focus
ICR Type	TDN (Mechanical ICR)

IP Module

Video Encoder	H.264+ H.264 and MJPEG simultaneously H.264 base line, main-profile, and hi-profile
Video Profile	Multi-streaming simultaneously
Frame Rate	Up to 25 / 30fps at all resolutions
Exposure Control	Auto / Auto Indoor / Manual Exposure BLC On/Off Enhanced WDR <ul style="list-style-type: none"> • AE, AWB • 3D Noise reduction • Color, brightness, sharpness, contrast, Hue • Image Mirror/Flip • Privacy Masks • DIS • Pixel Count • Anti-False Color • Defog
Image Setting	<ul style="list-style-type: none"> • Privacy Mask • 7 areas • Area of Interest • Selectable area and quality level • On Screen Display • Text, time and date overlay • Editable OSD <ul style="list-style-type: none"> • Simultaneously multi-streaming • Streaming over UDP, TCP, HTTP, or HTTPS • M-JPEG streaming over HTTP (server push) • Controllable frame rate and bandwidth • Constant and variable bit rate • ROI • AOI (Higher Quality in AOI area)

Privacy Mask	7 areas
Area of Interest	Selectable area and quality level
On Screen Display	Text, time and date overlay Editable OSD
Streaming	<ul style="list-style-type: none"> • Simultaneously multi-streaming • Streaming over UDP, TCP, HTTP, or HTTPS • M-JPEG streaming over HTTP (server push) • Controllable frame rate and bandwidth • Constant and variable bit rate • ROI • AOI (Higher Quality in AOI area)

Audio Encoder	RTSP: G.711 64kbps, G.726 32kbps, AAC (optional, by request)
Audio Streaming	One-way or two-way
Microphone	External microphone input
Audio Output	Adjustable audio output gain value

Network

Supported Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, DIPS, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, 3GPP, Samba, ICMP, SNMP, QoS, CoS, 802.1x, iSCSI
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Security	Password protection, IP address filtering, HTTPS encrypted data transmission, user access log
Users	20 simultaneous unicast users
Ethernet	10Base-T/100Base-TX auto negotiation

System Integration

Event Detection	<ul style="list-style-type: none"> • Video motion detection • Camera Tampering • Audio Detection • Digital input • Network Disconnect
Motion Detection	10-zone video motion detection with included or excluded options
Alarm Events	<ul style="list-style-type: none"> • File upload via FTP or email • File upload via Samba to NAS • Notification via email, HTTP, and TCP • External output activation • Audio alerting output • Push notification to smart phone APP(Afidus) • ICR On/Off

Video Buffer	Pre- and post- alarm buffering
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General

Power Supply	12V DC
PoE	IEEE 802.3af class 3 <ul style="list-style-type: none"> • RJ-45 10Base-T/100Base-TX • 12VDC • 1 alarm input and 1 output • RS485 • Audio out • External Audio input • Compositd video out • Factory default reset • Micro SD card slot
Connectors	

Operating Temperature	-10°C to 50°C (32°F to 122°F)
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Operating Humidity	10% ~ 90% (non-condensing)
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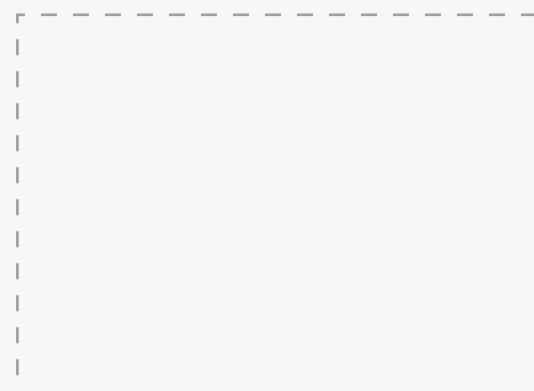
Viewing System

OS	Windows® 7, 8
Browser	IE 9.0 or later, Mozilla Firefox, Chrome, Safari

Software

Afidus Cloud Service™, Afidus DDNS Service™, Afidus Smart Phone Apps, Afidus NVR64™

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※ The product design and dimensions may change without previous notice for improvement of performance.

Dimensions

