

2 Megapixel H.264+ ABF Intelligent Box Network Camera

BH-231NB Premium



- 2 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
- Support True WDR & Digital WDR
- 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, local mSD card
- Power over Ethernet: IEEE 802.3af Class3

Camera

Image Device	Sony 1/2.8" Exmor™ 2 Megapixel image sensor
Effective Pixels	1920 x 1080
Lens	C/ CS mount, support DC and P-iris lens
Day & Night	TDN (Mechanical ICR)
Min illuminator	Color: 0.01 lux@F1.2(AGC on) B/W: 0.001 lux@F1.2(AGC on)

Video

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 / Hold Exposure / Manual BLC On/Off True WDR / Digital WDR

- AWB
- 3D & 2D Noise reduction
- Color, brightness, sharpness, contrast, Hue
- Image Mirror/Flip
- Privacy Masks
- DIS
- Pixel Count
- Anti-False Color
- Defog

Image Setting	
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

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
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

- Video motion detection
- Camera Tampering
- Audio Detection
- Digital input
- Network Disconnect

- 10-zone video motion detection with included or excluded options
- 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
- File save to local mSD card

Alarm Events	
Video Buffer	Pre- and post- alarm buffering
General	
Power Supply	DC 12V IEEE 802.3af class 3

Power Consumption	10W with IR LED on (12V DC)
PoE	<ul style="list-style-type: none"> ● RJ-45 10Base-T/100Base-TX ● 12VDC ● 1 alarm input and 1 output ● RS485
Connectors	<ul style="list-style-type: none"> ● Audio out ● External Audio input ● Compositated video out ● Factory default reset ● Micro SD card slot

Operating Temperature	-20°C to 50°C
Operating Humidity	10% ~ 90% (non-condensing)

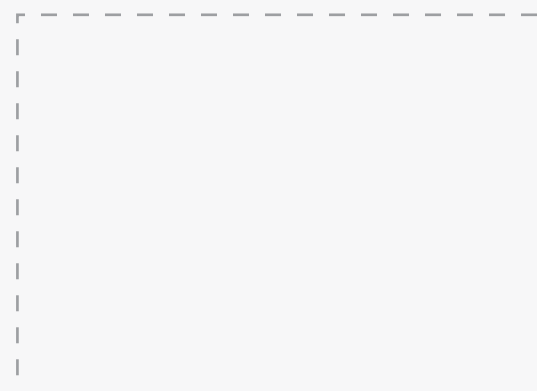
Viewing System

OS	Windows® 7, 8, 10
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

