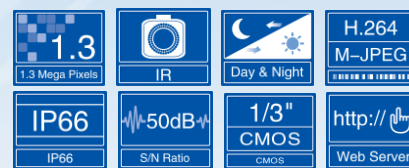


# VH111-B1 Series

## HD 1.3MP IR IP Box Camera

**Infinova**<sup>®</sup>  
The Integrator's Manufacturer



- 1/3" progressive scan CMOS sensor
- Built-in dot matrix IR illuminators, at 850nm wavelength, up to 30 meters illumination distance
- The output power of the IR illuminator can be automatically adjusted according to the lighting condition
- IR-Cut Removable (ICR) Filter for Day/Night switching
- Three Simultaneous Video Streams: Dual H.264 (High Profile/Main Profile/Baseline optional) & Scalable M-JPEG
- Resolution up to 960P
- Smooth videos, with the frame rate up to 30fps
- Support one way audio input, G.711-U/G.711-A
- Support Horizontal/Vertical Mirror
- Support Corridor mode
- Support Digital-WDR function
- Backlight Compensation
- Local Recording
- Up to four ROI (Region of Interest) areas
- Up to four definable motion detection areas
- Up to four definable privacy mask areas
- Support video mask alarm
- Alarms triggered by motion detection link with email sending and FTP upload
- Support simultaneous access and parameter setting via Web Server from multiple clients
- Compatible or able to integrate with Infinova V2216 and other digital video surveillance software
- Standard SDK is provided for easy integration with other systems
- Onvif Profile S
- Compact structure for easy installation
- Support analog video output
- PoE/12VDC or 12VDC power supply
- IP66 environmental rating

VH111-B1 series HD 1.3MP IR IP box camera features 1/3" progressive scan CMOS sensor and built-in 3.0-megapixel fixed lens (2.8mm/4mm/6mm/8mm/12mm optional). With H.264/M-JPEG compression format utilized, this camera can output HD full-frame videos with the resolution up to 960P. The built-in dot matrix IR illuminators allow a maximum of 30 meters night illumination distance (the distance will be different for different lenses). It brings true 24 hours continuous monitoring.

The camera supports the function of strengthening ROI encoding, so as to improve the image quality of key areas under low-band network environment.

The camera supports three simultaneous video streams. It also provides motion detection, privacy mask, video mask alarm, image snapshot, local recording, noise reduction, backlight compensation and WDR functions. Alarm can be associated with email sending and FTP upload.

Compact structure makes it easy to install.

VH111-B1 series is widely used in normal buildings, supermarkets, hotels, shops, parks, schools, factories, warehouses, underground parking lots and other high-resolution surveillance applications.

## Technical specifications

Image Sensor	1/3" progressive scan CMOS
Dynamic Range	72.4dB
S/N Ratio	50dB
IR Illumination Distance	30m (Max)
Lens	F1.6, f= 2.8mm, 4mm, 6mm, 8mm, 12mm
Day/Night Functionality	ICR
Sensitivity	0lux (IR on)
Exposure	Scene mode, manual mode, shutter priority mode
Shutter	Auto/Manual (1/1s~1/13000s)
Slow Shutter	Available
White Balance	Auto/Manual/Incandescent light/ Cool white fluorescent light/Sun light/Cloudy/Natrium light
WDR	Available
Gain Control	Auto/Manual (maximum: 64X)
Noise Reduction	3D
Mirror	Horizontal/Vertical
Corridor Mode	Available
Video Adjustment	Brightness, sharpness, hue, contrast, saturation adjustable
Video Compression Standard	H.264 main profile (High Profile/Main Profile/Baseline optional)/M-JPEG
Maximum Resolution	1280×960@H.264/M-JPEG
Optional Resolution	Major stream: 1280×960, 1280×720, 720×576 Minor stream: 720×576, 640×480, 352×288, 320×240
Maximum Frame Rate	30fps@1280×960
Data Rate	Variable bit rate; Constant bit rate: Major stream: 32Kbps~10000Kbps; Minor stream: 32Kbps~2000Kbps

Audio	Audio Compression: G.711-U/G.711-A; Audio Sample Rate: 8K, 16K; Audio Port: one-way input
Network Delay	≤180ms
Motion Detection	Up to 4 areas
Privacy Mask	Up to 4 masks
ROI	Up to 4 regions
Local PC Recording	Available
Network Remote Upgrade	Available
Security	Password Protection, IP Address Filtering
Network Port	1 RJ45 10/100M self-adaptive Ethernet port
Analog Video Output	Available via BNC port
Network Protocols	IPv4, IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TLS, SSL, 802.1X, Qos, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
Power Supply	PoE (IEEE 802.3af Class 0)/12VDC or 12VDC
Power Consumption	<7W; <10W (w/heater)
Operating Temperature	-4° F ~ 140° F (-20° C ~ 60° C) -40° F ~ 140° F (-40° C ~ 60° C) ( w/heater)
Storage Temperature	-4° F ~ 140° F (-20° C ~ 60° C)
Operating Humidity	0~95% RH (non-condensing)
Unit Dimensions (H×W×L)	3.20"×3.75"×8.08" (81.3mm×95.2mm×205.2mm)
Box Dimensions (L×W×H)	12.05"×6.89"×5.75" (306mm×175mm×146mm)
Unit Weight	1.37lbs. (0.62kg)
Shipping Weight	1.87lbs. (0.85kg)

## Ordering Information

VH111-B102-A4	HD Megapixel IR IP camera, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 1.3Mpx, 12VDC, 2.8mm fixed lens
VH111-B104-A4	HD Megapixel IR IP camera, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 1.3Mpx, 12VDC, 4mm fixed lens
VH111-B106-A4	HD Megapixel IR IP camera, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 1.3Mpx, 12VDC, 6mm fixed lens
VH111-B108-A4	HD Megapixel IR IP camera, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 1.3Mpx, 12VDC, 8mm fixed lens
VH111-B112-A4	HD Megapixel IR IP camera, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 1.3Mpx, 12VDC, 12mm fixed lens

**Note:** The models mentioned above have no heaters.

1. If needed, please change "A" into "B". For example:

VH111-B104-B4 HD Megapixel IR IP camera, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 1.3Mpx, 12VDC, 4mm fixed lens, with heaters

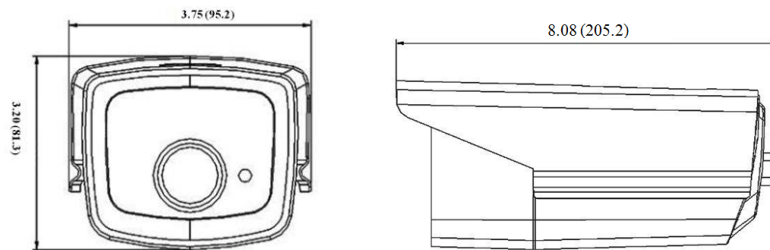
2. If without heaters but with PoE optional, please change "A4" into "A0". For example:

VH111-B104-A0 HD Megapixel IR IP camera, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 1.3Mpx, PoE/12VDC, 4mm fixed lens

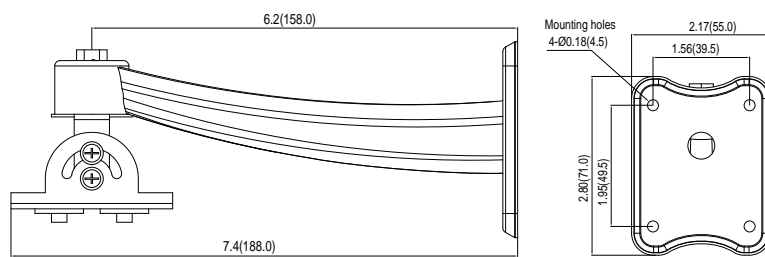
### Optional Products

V1554-6 Camera bracket, 6-inch high

## Dimensions



Camera



Mount

(Unit: inch, in the parentheses is mm)