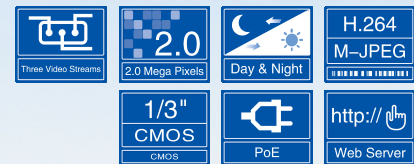


# VS110-B2 Series

## 2MP HDR Intelligent IP Box Camera

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



- **1/3" low light progressive scan CMOS sensor**
- **ICR infrared filter type auto switch for both Day and Night surveillance**
- **Sensitivity: 0.005 lux**
- **High-resolution network video output: 1920×1080@60fps**
- **Auto Back Focus (ABF)**
- **Multiple intelligent functions, such as illegal damage detection, motion detection, loitering detection, wire cross detection, intrusion detection, abandon detection, loss detection, face detection, people counting, crowd density detection, crowd gathering detection, fights detection, queue length detection, customer focus detection, exceptional sound detection, etc.**
- **Three Simultaneous Video Streams: Dual H.264 & Scalable M-JPEG**
- **Superb image quality**
- **Support built-in storage**
- **Support timing recording and snap shooting**
- **Bi-directional audio, PCM/ADPCM/G726/G711-U optional**
- **2 alarm inputs, 1 relay output**
- **Support multiple ways to trigger alarms, such as I/O input, motion detection, camera tampering and smart video analysis; supports flexible alarm associated settings like I/O output, email, FTP picture uploading, audio and TF card recording**
- **Allows up to 20 users to perform live access and parameters configurations using Web Server**
- **Compatible with Infinova digital video surveillance software, easily incorporated with other video surveillance software**
- **ONVIF Profile S-compliant**
- **Provide standard SDK, easily integrated with other digital systems**
- **With analog video debugging interface**

Infinova VS110-B2 series megapixel HDR IP box cameras allow image output resolution up to 1920×1080@60fps. The camera provides excellent resolution and color reproduction, acquires richer and more accurate details and guarantees intelligent analysis accuracy in a more effective way, which caters for different application needs.

VS110-B2 series boasts of rich intelligent functions, such as illegal damage detection (to protect the lens from obstruction or deviating), motion detection, loitering detection, wire cross detection, intrusion detection, abandon detection, loss detection, face detection, and people counting. The camera applies to various high-end businesses.

VS110-B2 series camera is designed for safe city, rail transit and municipal construction. Particularly, it is widely used in city public security, highway, metro, station, exhibition hall, etc.

## Technical specifications

Image Sensor	1/3" progressive scan CMOS
Lens Mount	C/CS
Auto Back Focus	Available
Auto Iris	DC driven
Day/Night Functionality	ICR
Sensitivity	Color mode: 0.05 Lux @ F1.2 (30IRE, AGC ON); B/W mode: 0.005 Lux @ F1.2 (30IRE, AGC ON)
Exposure	Auto/Manual
Shutter	Auto/Manual (1/1s~1/32000s selectable)
Slow Shutter	Available
Gain Control	Auto/Manual
White Balance	Auto/Manual/Outdoor
WDR	Supports multi-exposure WDR, >120dB
Video Adjustment	Brightness, contrast, saturation, hue, sharpness
Video Enhancement	Highlighting inhibition, dark enhancement, contrast enhancement, 2D/3D noise reduction, backlight compensation
Video Compression	H.264/M-JPEG
Maximum Resolution	1920×1080@H.264/M-JPEG
Optional Resolution	Major stream: 1920×1080, 1280×960, 1280×720, 720×576, 352×288 Minor stream1: 720×576, 352×288 Minor stream2: 1920×1080, 1280×960, 1280×720, 720×576, 352×288
Maximum Frame Rate	60fps@H.264
Data Rate	Variable bit rate; Constant bit rate: 256Kbps~8Mbps
ROI	Available, with area and level settable
OSD	Available, to overlap characters or BMP pictures, with picture transparency settable
Intelligent Video Analysis	Supports illegal damage detection (camera obstruction or deviating), motion detection, loitering detection, wire cross detection, intrusion detection, abandon detection, loss detection, face detection, people counting, crowd density detection, crowd gathering detection, fights detection, queue length detection, customer focus detection, and exceptional sound detection; other smart functions can be achieved by updating the intelligence base.
Audio Compression	PCM/ADPCM/G726/G711_U
Sampling Rate	8K, 12K, 16K, 24K, 44K, 48K

Audio Port	1 input (Linear level, Resistance: 1000 Ohm), 1 output (Linear level, Resistance: 600 Ohm)
Alarm Port	2 alarm inputs, 1 relay output
Timing Functions	Timing snap shooting and recording
Built-in Storage	Available, a 128G TF card is recommended (snap shooting and recording can be stored)
Off-line Storage	Available
Schedule	Supports the configuring of month, week, day, hour and any of their combinations for the calling up by storage and events
Health Diagnosis	Supports the diagnosis of health events like CPU overloading, SD card change, full recording capacity, high temperature
Secure Connection	Signature certificate, password protection, user privilege management, session management, IP filter
Privacy Mask	Available, areas can be assigned
Access Protocols	ONVIF2.4, CGI2.7
Network Port	One RJ45 10/100M self-adaptive Ethernet port
Applicable Protocols	IPv4/IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, DNS, DDNS, ARP, ICMP
Simultaneous Webpage Access	20-channel (total bandwidth 64M)
Remote Network Upgrade	Available
Password Protection	Available
Power Supply	PoE ( IEEE 802.3af Class 3 ) /24VAC (±25%)
Power Consumption	Operating power<5.5W, max. power<6.5W
Operating Temperature	14°F~122°F (-10°C~+50°C)
Storage Temperature	-4°F~140°F (-20°C~+60°C)
Operating Humidity	0%-95% RH (non-condensing)
Dimensions (HxWxL)	2.84"x2.97"x5.88" (72mm×75.5mm×149.3mm) (including BNC)
Box Dimensions (LxWxH)	8.07"x4.92"x3.94" (205mm×125mm×100mm)
Unit Weight	1.21lbs. (0.55kg)
Shipping Weight	1.54lbs. (0.70kg)

### Certifications and Approval

Product Certifications	CE/EMC: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3 <sup>1</sup> , FCC: Part 15 Subpart B Class A: 2014 <sup>2</sup> , ISO 9001:2008,UL <sup>3</sup>
Certificate No.: <sup>1</sup> CTL1408282170-EC, <sup>2</sup> CTL1408282170-FC, <sup>3</sup> E232008-A41-UL	

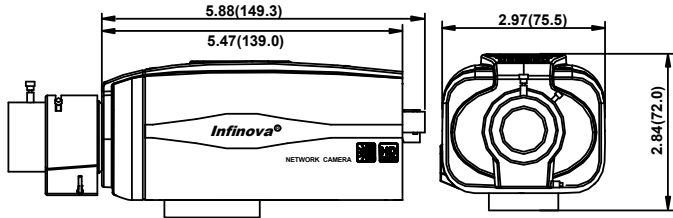
## Ordering information

VS110-B2-B0 Megapixel HDR IP box camera, 2.0M, 1/3" CMOS, Day/Night, Auto back focus, H.264/M-JPEG, PoE/24VAC

### Recommended Mounts

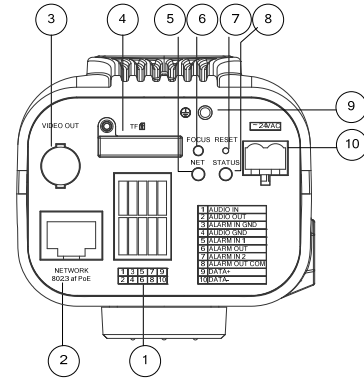
V1551-7 Fixed camera bracket, 7 inch  
 V1551-10 Fixed camera bracket, 10 inch

## Dimensions



(Unit: inch, in the parentheses is mm)

## Back panel



- (1) Audio port, Alarm port, RS-485 Terminal
- (2) Network Port (PoE power supply optional)
- (3) Analog Video Output
- (4) TF Card Slot
- (5) Network LED Indicator
- (6) Back Focus Adjusting
- (7) Reset
- (8) Status LED Indicator
- (9) Arrester Ground Terminal
- (10) Power Input Terminal (24VAC)