

# VS110-A2 Series

## HD 2MP Starlight IP Box Camera

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



- **1/1.9" large target area progressive scan CMOS sensor**
- **IR-Cut Removable (ICR) Filter for Day/Night switching**
- **Star-grade sensitivity: 0.0002 lux**
- **High-resolution image signal output up to 1920×1080@60fps**
- **Auto Back Focus (ABF)**
- **Multiple intelligent functions**
- **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 optional**
- **2 alarm inputs, 1 relay output**
- **Support multiple ways to trigger alarms**
- **Support simultaneous multi-user access and parameter configuration via Web Server**
- **Compatible with Infinova's digital video surveillance software, easily incorporated with other video surveillance software**
- **ONVIF-compliant**
- **Provide standard SDK, easily integrated with other digital systems**
- **With analog video debugging interface**
- **IPv6**

Infinova's VS110-A2 series megapixel starlight 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-A2 series boasts of rich intelligent functions, such as illegal damage detection (to protect the lens from obstruction or deviating), motion detection, wire cross detection, regional intrusion detection, abandoned objects detection, face detection, people counting detection and so on. The camera applies to various high-end businesses.

VS110-A2 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	1/1.9" Sony progressive scan CMOS
Lens Mount	C/CS
Auto Back Focus	Available
Auto Iris	DC driven
Day/Night Functionality	ICR
Sensitivity	Color mode: 0.002 lux @ F1.2; B/W mode: 0.0002 lux @ F1.2
Exposure	Auto/Manual
Shutter	Auto/Manual (1/1s~1/32000s selectable)
Slow Shutter	Available
Gain Control	Auto/Manual
White Balance	Auto/Manual/Outdoor
Image Adjustment	Brightness, contrast, saturation, hue, sharpness
Image Enhancement	D-WDR, highlighting inhibition, dark enhancement, contrast enhancement, 2D/3D noise reduction, backlight compensation
Video Compression	H.264 High profile/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	Supported
OSD	Supported
Intelligent Video Analysis	Illegal damage detection, motion detection, wire cross detection, regional intrusion detection, abandoned objects detection, face detection, crowd density detection, queue monitoring, people counting and customer focus detection and so on
Audio Compression	PCM/ADPCM/G726/G711_U
Audio Samples	8K, 12K, 16K, 24K, 44K, 48K
Alarm	2 alarm inputs, 1 relay output

Audio Port	1 input (Linear level, Resistance: 1000 Ohm), 1 output (Linear level, Resistance: 600 Ohm)
Timing Functions	Timing snap shooting and recording
TF Card Storage	Available, up to 32G (snap shooting and recording can be stored)
Broken Network Storage	Supported
Schedule	Month, week, day and hour can be set, multi-schedule can be combined for storage and event calls
Health Diagnosis	CPU overload, SD card change, full recording, high temperature and so on
Security Connection	signature certificate, password protection, user's authority management, session, management, IP filter
Privacy Mask	Supported
Access Protocols	ONVIF2.4, CGI2.7
Network Port	One RJ45 10/100M self-adaptive Ethernet port
Applicable Protocols	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, ARP, ICMP
Simultaneous Web Access	20 (64M altogether)
Password Protection	Available
Upgrade Online	Available
Power Supply	PoE (IEEE 802.3af Class 3) / 24VAC (±25%)
Power Consumption	<5.5W, (when operating); <6.5W (maximum)
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)
<b>Certifications and Approval</b>	
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 <sup>2</sup> , UL <sup>3</sup> , ISO 9001: 2008

Certificate No.: <sup>1</sup>CTL1408282169-EC; <sup>2</sup>CTL1408282169-FC; <sup>3</sup>E232008-A40-UL.

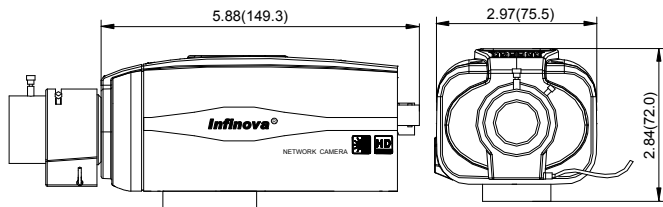
## Ordering information

VS110-A2-B0 Megapixel starlight IP box camera, 2.0M, 1/1.9" CMOS, Day/Night, H.264/M-JPEG, PoE/24VAC

### Recommended Mounts

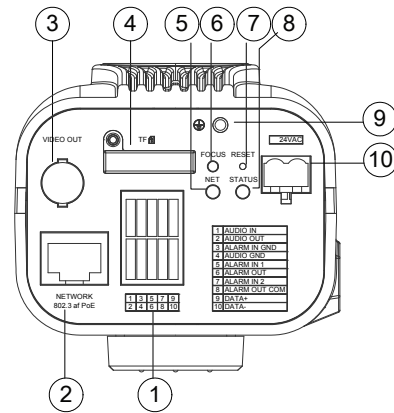
V1551-7 Fixed camera direct mount, 7 inch  
 V1551-10 Fixed camera direct mount, 10 inch

## Dimensions



(Unit: inch, in the parentheses is mm)

## Back panel



- (1) Audio Input /Output, Alarm Input /Output, RS-485 Terminal
- (2) Network Port (used for PoE power supply)
- (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)