

# VH120-A1 Series

## HD 1.3MP IP Minidome Camera

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



- **1/3" progressive scan CMOS sensor**
- **IR-Cut Removable (ICR) Filter for Day/Night switching**
- **Sensitivity: 0.008lux**
- **High-resolution image signal output: 1280×960@30fps**
- **Three Simultaneous Video Streams: Dual H.264 & Scalable M-JPEG**
- **Bi-directional audio, G.711**
- **Supports WDR function**
- **Up to four ROI (Region of Interest) areas**
- **Up to four definable motion detection areas**
- **Up to four definable privacy mask areas**
- **Supports corridor mode**
- **Supports storage with TF card**
- **Local recording**
- **2 alarm inputs, 1 relay output**
- **Support multiple ways to handle alarms**
- **Support simultaneous access and parameter setting via Web Server from multiple clients**
- **Compatible or able to integrate with Infinova V2216, and other video surveillance software**
- **Onvif Profile S**
- **Standard SDK is provided for easy integration with other video surveillance software**
- **Compact structure for surface mount, 3-axis adjustment**

Infinova's VH120-A1 series HD 1.3MP IP minidome camera features 1/3" progressive scan CMOS sensor, built-in 2.8-12mm vary-focal lens and H.264 High profile/ M-JPEG video compression formats, this series can output real-time image with resolution up to 960P.

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, and storage with TF card, noise deduction, backlight compensation, WDR functions, etc. Alarm can be associated with email sending and FTP upload.

Compact structure makes it easy to install. Also, this camera provides 3-axis adjustment, easy to adjust the monitoring angle.

The VH120-A1 series HD 1.3MP low light IP cameras suit financial institutions, supermarkets, governments, schools, airports, subways, hotels, museums, city streets and other high-resolution surveillance applications.

## Technical specifications

Image Sensor	1/3" progressive scan CMOS
S/N Ratio	50dB
Lens	F1.4, f=2.8-12mm vari-focal lens
Camera Angle Adjustment	X (Panning): 0°~340°; Y (Tilting): 0°~80°; Z (Rotating): 0°~340°
Day/Night Functionality	ICR
Sensitivity	Color mode: 0.05 Lux @ F1.4 (30IRE, AGC ON); B/W mode: 0.008Lux@F1.4 (30IRE, AGC ON)
Exposure	Scene mode, Manual mode, Shutter priority mode
Shutter	Auto/Manual (1/30s~1/8000s)
White Balance	Auto/Manual/Incandescent light/Cool white fluorescent light/Sun light/Cloudy/Natrium light
WDR	100dB
Corridor Mode	Available
AGC	Auto/Manual (maximum: 64X)
Mirror	Horizontal/Vertical
Video Effect	Brightness, sharpness, hue, contrast, saturation adjustable
Video Compression	H.264 High profile/M-JPEG
Maximum Resolution	1280×960@H.264/M-JPEG
Optional Resolution	Major stream: 1280×960, 1280×720; Minor stream: 640×480, 320×240
Maximum Frame Rate	30fps@1280×960
Network Delay	≤180ms
Data Rate	Variable bit rate; Constant bit rate: Major stream: 256Kbps~10000Kbps; Minor stream 256Kbps~2000Kbps
Audio	Audio Compression: G.711-u; 1 input (Linear level, Resistance: 1000 Ohm), 1 output (Linear level, Resistance: 600 Ohm)

Noise Reduction	3D
Motion Detection	Up to 4 areas
Privacy Mask	Up to 4 masks
ROI	Up to 4 regions
TF Card Storage	Available, up to 64G
Local Recording	Available
Upgrade Online	Available
Password Protection	Available
Network Port	1 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, 802.1X, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
Alarm	2 alarm inputs, 1 relay output
Power Supply	PoE (IEEE 802.3af Class 2)/ 12VDC/24VAC
Power Consumption	<3W
Operating Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Operating Humidity	0%~90% RH (non-condensing)
Unit Dimensions (H×Ø)	3.66"×5.20" (93mm×132mm)
Box Dimensions (LxWxH)	6.89"×6.89"×6.30" (175mm×175mm×160mm)
Unit Weight	1.65lbs. (0.75kg)
Shipping Weight	2.21lbs. (1.00kg)

### Certifications and Approval

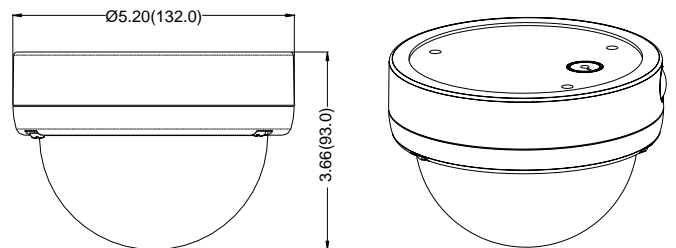
Product	CE/EMC: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3, FCC: Part 15 Subpart B Class A <sup>2</sup> , UL 60950-1 <sup>3</sup> , ISO 9001:2008
Certifications	

Certificate No.: <sup>1</sup>CTL1408282172-EC; <sup>2</sup>CTL1408282172-FC; <sup>3</sup>E232008-A44-UL

## Ordering information

VH120-A10B-A012 HD Megapixel low-light IP camera, 1.3MPx, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 2.8-12mm vary-focal lens, Surface mount, Transparent PoE/12VDC/24VAC

## Dimensions



(Unit: inch, in the parentheses is mm)