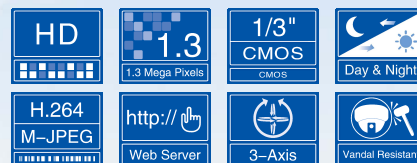


VH120-A1 Series

HD 1.3MP IP Minidome Camera

Infinova[®]
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: H.264 (High Profile/Main Profile/ Baseline optional) & Scalable M-JPEG**
- **Bi-directional audio, G.711-U/G.711-A**
- **Supports Digital-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 PC recording**
- **2 alarm inputs, 1 on-off output**
- **Supports multiple ways to handle alarms, such as email-sending, FTP uploading, alarm output, audible alarm.**
- **Heartbeat loss detection, associated with TF card recording.**
- **Supports simultaneous access and parameter setting via Web Server from multiple clients**
- **Compatible with InfinoVA digital 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 format, which 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
Dynamic Range	72.4dB
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: 0.05Lux @ 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 (1/1s~1/13000s scalable)
Slow Shutter	Available
White Balance	Auto/Manual/Incandescent light/Cool white fluorescent light/Sun light/Cloudy/Natrium light
WDR	Available
AGC	Auto/Manual (maximum: 64X)
Noise Reduction	3D
Mirror	Horizontal/Vertical
Video Effect	Brightness, sharpness, hue, contrast, saturation adjustable
Video Compression	H.264 (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
Network Delay	≤ 180ms
Motion Detection	Up to 4 areas
Privacy Mask	Up to 4 masks
ROI	Up to 4 regions
Local PC Recording	Available
Alarm	2 alarm inputs, 1 on-off output

Audio	Audio Compression: G.711-U/G.711-A Audio Sample Rate: 8K, 16K 1 input, Linear level, Resistance: 1kΩ, 1 output, Linear level, Resistance: 600 Ω
Storage	Supporting built-in TF card, 32G recommended
Mirror Storage	Video in TF card will automatically upload to VMS or NVR after network reconnected.
Network Remote Upgrade	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
IP Address Filter	Available
Power Supply	PoE (IEEE 802.3af Class 0)/ 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	0~95% RH (non-condensing)
Unit Dimensions (H×Ø)	3.66"×5.20" (93mm×132mm)
Box Dimensions (L×W×H)	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 Certifications	CE/EMC: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3 ¹ , FCC: Part 15 Subpart B Class A ² , UL 60950-1 ³ , ISO 9001:2008
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Certificate No.: ¹CTL1408282172-EC; ²CTL1408282172-FC; ³E232008-A44-UL

Ordering information

VH120-A10B-A012	HD 1.3MP 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, Clear Bubble, PoE/12VDC/24VAC
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Dimensions

