VH110-A1 Series

HD 1.3MP Low Light IP Camera

Infinova®
The Integrator's Manufacturer

HD | 1.3 1.3 Mega Pixels | 1/3" CMOS | PoE

Day & Night | H.264 M-JPEG | ONVIF | http:// Web Server
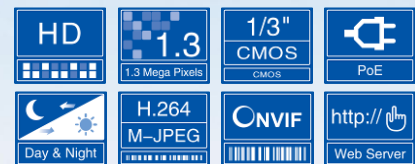
- **1/3" progressive scan CMOS sensor**
- **IR-Cut Removable (ICR) Filter for Day/Night switching**
- **Sensitivity: 0.008lux**
- **High-resolution image signal output: 1280×960@30fps**
- **Three Simultaneous Video Streams: Dual H.264 & Scalable M-JPEG**
- **Bi-directional audio, G.711**
- **Supports 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, such as email-sending, FTP upload, audible alarm and relay output**
- **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**
- **With analog video debugging interface**

Utilizing 1/3" progressive scan CMOS sensor and H.264 High profile/ M-JPEG video compression formats, Infinova's VH110-A1 series HD 1.3MP low light IP camera can output high-definition 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.

The VH110-A1 series HD 1.3MP low light IP cameras are widely used in communications, governments, schools, factories, garages, warehouses and other occasions with low light condition and needing high-resolution image quality.

Technical specifications

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Image Sensor	1/3" progressive scan CMOS		Motion Detection	Up to 4 areas
S/N Ratio	50dB		Privacy Mask	Up to 4 masks
Lens Mount	C/CS		Local Recording	Available
Auto Iris	DC driven		Alarm	2 alarm inputs, 1 relay output
Day/Night Functionality	ICR		Audio	Audio Compression: G.711-u 1 input (Linear level, Resistance: 1000 Ohm), 1 output (Linear level, Resistance: 600 Ohm)
Sensitivity	Color mode: 0.03 lux @ F1.2 (30IRE, AGC ON); B/W mode: 0.008 lux @ F1.2 (30IRE, AGC ON)		TF Card Storage	Available, up to 64GB
Exposure	Scene mode, Manual mode, Shutter priority mode		Upgrade Online	Available
Shutter	Auto/Manual (1/30s~1/8000s)		Password Protection	Available
White Balance	Auto/Manual/Incandescent light/Cool white fluorescent light/Sun light/Cloudy/Natrium light		Network Port	One RJ45 10/100M self-adaptive Ethernet port
WDR	100dB		Analog Video Output	Available, BNC port
Gain Control	Auto/Manual(maximum: 64X)		Applicable Protocols	IPv4, IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, 802.1X, QoS, PPPoE, DNS, DDNS, ARP, ICMP,
Noise Reduction	3D		Power Supply	PoE IEEE 802.3af Class 2/12VDC/24VAC
Mirror	Horizontal/Vertical		Power Consumption	< 3.5W
Corridor Mode	Available		Operating Temperature	-4°F~140°F (-20°C~60°C)
Video Effect	Brightness, sharpness, hue, contrast, saturation adjustable		Storage Temperature	-4°F~140°F (-20°C~60°C)
Video Compression	H.264 High profile/M-JPEG		Operating Humidity	0%-95% RH (non-condensing)
Maximum Resolution	1280×960@H.264/M-JPEG		Unit Dimensions (H×Ø)	2.52"×2.88"×5.66" (64mm×73.2mm×143.8mm)
Optional Resolution	Major stream: 1280×960, 1280×720; Minor stream: 640×480, 320×240		Box Dimensions (LxWxH)	8.07"x4.92"x3.94" (205mm×125mm×100mm)
Maximum Frame Rate	30fps@1280×960		Unit Weight	0.88lbs. (0.40kg)
Network Delay	≤180ms		Shipping Weight	1.32lbs. (0.60kg)
Data Rate	Variable bit rate; Major stream: 256Kbps~10000Kbps; Minor stream: 256Kbps~2000Kbps		**Certifications and Approval**	
ROI	Up to 4 regions		Product Certifications	CE, FCC, ISO 9001:2008

Ordering information

VH110-A1-A0   HD Megapixel low-light IP camera, Day/night, 1/3 inch CMOS sensor, H.264/M-JPEG, 1.3Mpx, PoE/12VDC/24VAC
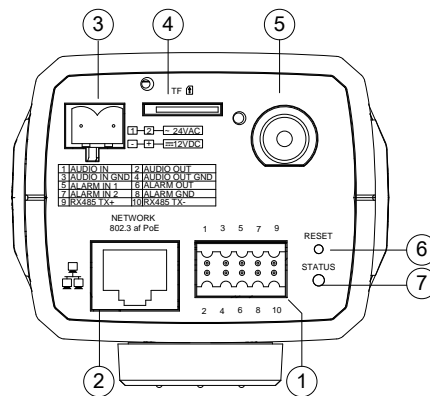
Recommended Mounts

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

Dimensions
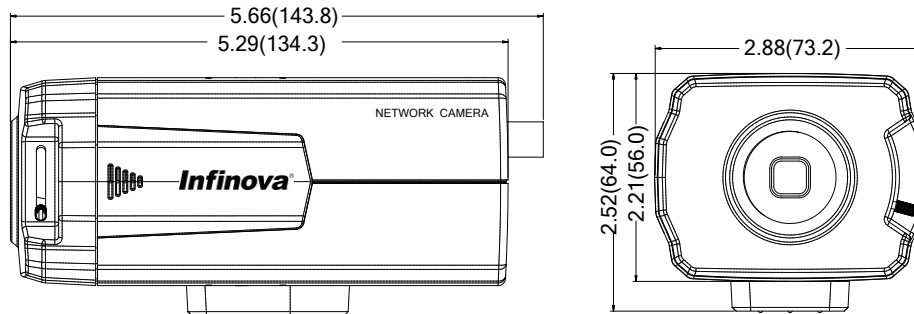
(Unit: inch, in the parentheses is mm)

Back Panel

①Input/ Output Port   ②Network Port (used for PoE power supply)
③Power Input Port   ④TF card slot
⑤Analog Video Output   ⑥Reset
⑦Power LED Indicator

Pin Assignment of ① Input/Output Port

1	Audio In	2	Audio Out
3	Audio Input GND	4	Audio Input GND
5	Alarm In 1	6	Alarm Out
7	Alarm In 2	8	Alarm Out Com
9	RS485TX-	10	RS485TX+