

VH210-A2-PO SERIES

HD 2MP INTELLIGENT IP BOX CAMERA

Infinova[®]



FEATURES

- 1/2.8" progressive scan CMOS sensor
- IR-Cut Removable (ICR) Filter for true Day/Night
- Support multi-frame integrated WDR, with a range up to 120dB
- Support H.265/H.264/M-JPEG/SVC encoding formats, available with three video streams
- High-resolution image signal output: 1920×1080@30fps
- Smart H.265/Smart H.264 available for efficient use of band resources
- Support vivid smart functions such as video anomaly detection, behaviour-analysis detection, sound detection, statistics detection, Intelligent grouping detection and Face capture grouping is integrated mask recognition function
- Bi-directional audio, G.711-A/G.711-U/AAC
- Local PC recording
- Micro SD card
- Up to 8 ROI (Region of Interest) areas
- Up to 4 definable privacy mask areas
- Support corridor mode
- Support simultaneous access and parameter setting via Web Server from multiple clients
- ONVIF Profile S/G/T compliant
- PoE/12VDC/24VAC

DESCRIPTION

Infinova VH210-A2-P0 Series HD 2MP Intelligent IP Box Camera applies 1/2.8-inch CMOS sensor. With H.265/H.264/M-JPEG/SVC video compression formats and three-stream encoding, the camera can output high-quality images with resolution up to 1080P@30fps, providing marvelous definition, color restoration and more accurate image details.

The product adopts self-developed deep-learning algorithm and supports various smart analysis functions, including video exception detection, face detection, counting, crowd density detection and behavior analysis etc. Thus, the camera is applicable for various high-end commercial applications.

The camera can be widely used in banks, schools, buildings, communities, squares, streets, stations, bars, parks and other occasions requiring high-quality images.

TECHNICAL SPECIFICATIONS

Lens (Visible)	
Image Sensor	1/2.8" progressive scan CMOS
Optical Zoom	-
Digital Zoom	-
Focal Length	-
Iris	DC drive, F1.8
Focus	Available with online assistant focus
FOV(H/V/D)	H:53.2°-18.6°; V:104°-33.2°; D:123.2°-38°
Lens Mount	C/CS
Lens (Thermal)	
Imager Type	-
Lens Type	-
Spectral Band	-
Pixel Size	-
NETD	-
Focal Length	-
FOV	-
Video	
Camera Resolution (Visible Lens)	2MP
Camera Resolution (Thermal Lens)	-
Max. Coding Capacity (Visible Lens)	Major stream: H.264/H.265- 30fps@1920x1080 Minor stream: H.264/H.265- 30fps@1280x720 Third stream: M-JPEG- 30fps@1920x1080
Max. Coding Capacity (Thermal Lens)	-
Data Rate	VBR/CBR Major stream: 128Kbps~10,240Kbps; Minor stream: 128Kbps~4,096Kbps
Video Compression	H.265/H.264/ M-JPEG/SVC independent coding
Multi-Streaming	Three - stream independent output
Video Rotation	Video can be rotated by 90°, 180° or 270°
Audio	
Audio Compression	G.711-A/ G.711-U/ AAC
Sample Rate	8KHz (for G.711-A/G.711-U), 16KHz, 32KHz, 44.1KHz and 48KHz (for AAC)
Audio Interface	1 input, Linear level; 1 output, Linear level
Two-way Audio	Available
Mic & Speaker	-
Image	
Shutter	Auto/Manual (1/1s~1/32,000s)
WDR	Up to 120dB

Exposure	Auto/Manual/Shutter
Sensitivity	Color mode: 0.005Lux (AGC ON); B/W mode: 0.0005Lux (AGC ON)
White Balance	Auto/Manual/Outdoor
Video Adjustment	Brightness, contrast, saturation, hue, sharpness
Noise Reduction	3D
S/N Ratio	≥55dB
Defog	Available
EIS	Available
Mirror	Horizontal/Vertical
Corridor Mode	Available
Day/Night Switching	ICR
AGC	Auto/Manual, up to 64X
BLC	Available
HLC	Available
Privacy Mask	Up to 4 definable zones
ROI	Up to 8 definable zones
OSD	Supported
Pan/Tilt Functions	
Preset	-
Pattern	-
Autopan	-
Normal Tour	-
Home Return	-
Timing Tour	-
Autoscan	-
Area Zoom	-
IR Illumination	
Smart-IR	-
Wave Length	-
Night Vision Distance	-
Temperature Measurement	
Screening Function	-
Measurement	-
Measurement Distance	-
Measurement Range	-
Accuracy	-
Screening Function	-

TECHNICAL SPECIFICATIONS

Smart Analytics			
Video Analytics	Video Anomaly Detection-Camera tampering, camera shifting, defocus detection, high brightness detection, low brightness detection, video loss detection, color cast detection, and motion detection	Password Protection	Available
	Behaviour Analysis Detection - Wire crossing detection, intrusion detection, object abandoned detection, object lost detection, loitering detection, crowd detection, fast moving detection, target stop detection, and fall over detection	RS485 Port	Available
	Sound Detection - Abnormal sound detection and light detection	Analog Video Output	-
	Statistics Detection - Counting, density detection, queue length detection and dwelling detection	Maximum Number of Users	64, with 3 types of users available: administrator, normal user, and operator
	Intelligent Grouping Detection- Behaviour analysis grouping, face capture grouping.	Wiper	-
	Face capture - Supports face detection, tracking and capturing.	Network	
	Optimum Selection- Supports optimum selection and duplicate removal for captured target images to deliver the best-quality images.	Network Interface	1 RJ45 10M/ 100M self-adaptive Ethernet port
	Face Exposure - Available	Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP (V1, V3), FTP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
	Face attributes - gender, glasses, eyes open, mask, mouth open	IP Address Filtering	Available
Storage		Network Delay	≤200ms
Storage Slots	Support single card	Environmental	
Built-in Storage	up to 512GB	Anti-Static	Air discharge: 8KV, contact discharge: 6KV
NAS Storage	-	Surge Protection	Difference mode: ±1KV, common mode: ±2KV
Local PC Recording	Available	Operating Temperature	-4°F~140°F (-20°C~+60°C)
Alarm		Storage Temperature	-4°F~140°F (-20°C~+60°C)
Alarm Ports	2 alarm inputs, 1 on-off output	Operating Humidity	≤ 95% RH
Alarm Input	I/O input, smart detection, SD card removal, SD card full of videos, SD card full of images, network disconnection, and heartbeat loss	Environmental Rating	-
Alarm Association	I/O output, email, image upload via FTP, image upload via HTTP, SD card snapshot, SD card recording, and alarm info push	Impact Resistance	-
System Functions		Mechanical	
Operating System	Win 7 and higher versions	Manual Speed	-
Browser	IE8 and higher versions	Preset Speed	-
Access Protocol	ONVIF Profile S/G/T, Infinova CGI	Rotation Angle	-
Multiple Access	Up to 20-ch simultaneous access	Preset Accuracy	-
Web Server	Available	Electric Motor	-
Remote Upgrade	Available	Electrical	
		Power Supply	PoE (IEEE 802.3af Class 2) /12VDC /24VAC
		Power Consumption	<7W
		Physical	
		Product Dimension (L×W×H) or (H x D)	5.66"×2.88"× 2.52" (143.8mm×73.2mm×64mm)
		Package Dimension (L x W x H)	8.07"×4.92"×3.94" (205mm×125mm×100mm)
		Unit Weight	0.79lbs. (0.36kg)
		Shipping Weight	1.01lbs. (0.46kg)
		Certifications	
		Product Certifications	CE; FCC; RoHS

ORDERING INFORMATION

VH210-A2-P0	HD Megapixel Intelligent WDR IR IP Box Camera, 2MP, 1/2.8" CMOS, Mask recognition, Day/night, H.265/H.264/M-JPEG/SVC, With audio alarm, PoE/12VDC/24VAC
Accessories	
Lens	
V1182-0550-B3RY	Lens, 2MP, 1/2.7", f=5-50mm, F/1.4, CS Mount, DC auto iris
V1182-2812-B3RY	Lens, 2MP, 1/2.7", f=2.8-12mm, F/1.6, CS Mount, DC auto iris
V1182-2812-B5R	Lens, 5MP, 1/2.7", f=2.8-12mm, F/1.6, CS Mount, DC auto iris

Housing	
V1405-10	Camera housing, indoor/outdoor, 10 inch internal
V1405-10S	Camera housing, indoor/outdoor, 10 inch internal, w/ sun shield
V1405-10SHB	Camera housing, indoor/outdoor, 10 inch internal, w/ sun shield, heater & blower, 24VAC
V1405-11SHB	Camera housing, indoor/outdoor, 11 inch internal, w/ sun shield, heater & blower, 24VAC
V1406-11SHB	Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 24VAC
V1406-11SHB + V1406W	Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 24VAC + Wiper for V1406 camera housing, 24VAC
V1405-11SHB-IR-1	IR Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 15°, 120m, 24VAC
V1405-11SHB-IR-2	IR Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 30°, 100m, 24VAC
V1405-11SHB-IR-3	IR Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 45°, 70m, 24VAC
V1405-11SHB-IR-4	IR Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 60°, 50m, 24VAC
Housing Bracket	
V1571-W	Wall Mount, H/V adjustable for housing (V1405), 33.07 lbs (15 kg) load
V1572-W	Wall Mount, Non - Adjustable for housing (V1405, V1406, V1407), 121.25 lbs. (55 kg) load
V1573	Wall Mount, H/V adjustability for housing (V1405, V1406, V1407), 44.09 lbs (20 kg) load
V1573-2	Wall Mount, H/V adjustability for housing (V1405, V1406, V1407), 44.09 lbs (20 kg) load
V1573-A	Wall Mount, H/V adjustability for housing (V1405-11SHB-IR), 88.19 lbs. (40 kg) load, Cable Management
Power Supply	
N3921-12D-1	AC to DC Power Supply, Plug-In, 230VAC, Output 12VDC, 1.5A
N3922-24A-2	AC to AC Power Supply, Plug-In, 230VAC, Output 24VAC, 3A
N3922-30P-2	Smart POE Injector, 100VAC-240VAC input, 30W output

DIMENSIONS

