

VH324-C4 SERIES

HD 4MP IR IP MINI DOME CAMERA

Infinova[®]



FEATURES

- 1/3" progressive scan CMOS sensor
- IR-Cut Removable (ICR) Filter for Day/Night switching
- The maximum IR illumination distance can be up to 30 meters
- The maximum white light illumination distance can be up to 5 meters
- H.265/H.264/M-JPEG/SVC encoding
- High-resolution image signal output: 2560×1440@30fps
- Support Smart H.265/Smart H.264 encoding for efficient broadband utilization
- Support vivid smart functions such as Fire / Smoke detection, Vehicle detection, Density counting, Wire crossing detection, intrusion detection
- Local PC recording
- Micro SD
- Support multiple ways to trigger alarms, such as smart analysis, network disconnection and heartbeat loss
- Support flexible alarm associated settings: like email, image upload via FTP, image upload via HTTP and alarm info push
- 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 compliant
- Powered by PoE/12VDC

DESCRIPTION

Infinova VH324-C2 Series HD 4MP IR IP Mini Dome Camera applies 1/3-inch CMOS sensor and embedded HD fixed-focus lens (2.8mm/4mm optional). Backed by dot-matrix IR LED and white light, the product supports IR illumination distance up to 30m, and the white light distance up to 5m.

With H.265/H.264/M-JPEG/SVC video compression formats and two-stream encoding, the camera can output high-quality images with resolution up to 2560x1440@30fps, providing marvellous definition, color restoration and more accurate image details.

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

The camera can be widely used in ordinary buildings, supermarkets, hotels, shops, parks, schools, factories, warehouses, underground parking lots and other locations.

TECHNICAL SPECIFICATIONS

Lens (Visible)		Image	
Image Sensor	1/3" progressive scan CMOS	Shutter	Auto/Manual (1/1s~1/32,000s)
Optical Zoom	-	WDR	Up to 120dB
Digital Zoom	-	Exposure	Auto/Manual/Shutter
Focal Length	f= 2.8mm, 4mm	Sensitivity	Color mode: 0.1 Lux@ F1.6(AGC ON); B/W mode:0.01 Lux@ F1.6(AGC ON); 0 Lux (IR ON)
Iris	F1.6	White Balance	Auto/Manual/Outdoor
Focus	Available with online assistant focus	Video Adjustment	Brightness, Contrast, Saturation, Hue, Sharpness adjustable
FOV(H/V/D)	f=2.8mm-H:94.1°; V:52.4°; D:111.7° f=4mm- H:79.5°; V:43.1°; D:93.6°	Noise Reduction	3D
Lens Mount	M12	S/N Ratio	≥55dB
Lens (Thermal)		Defog	Available
Imager Type	-	EIS	Available
Lens Type	-	Mirror	Horizontal/Vertical
Spectral Band	-	Corridor Mode	Available by video rotation
Pixel Size	-	Day/Night Switching	ICR
NETD	-	AGC	Auto/Manual, up to 64X
Focal Length	-	BLC	Available
FOV	-	HLC	Available
Video		Privacy Mask	Up to 4 definable zones
Camera Resolution (Visible Lens)	4MP	ROI	Up to 8 definable zones
Camera Resolution (Thermal Lens)	-	OSD	Supported
Max. Coding Capacity (Visible Lens)	Major stream: H.264/H.265 -30fps@2560x1440 Minor stream: H.264/H.265 -30fps@1280x720	Pan/Tilt Functions	
Max. Coding Capacity (Thermal Lens)	-	Preset	-
Data Rate	VBR/CBR Major stream: 128Kbps~10240Kbps; Minor stream: 128Kbps~4096Kbps	Pattern	-
Video Compression	H.265/H.264/M-JPEG/SVC independent coding	Autopan	-
Multi-Streaming	Two-stream independent output	Normal Tour	-
Video Rotation	Video can be rotated by 90°, 270°	Home Return	-
Audio		Timing Tour	-
Audio Compression	G.711-A/ G.711-U/ AAC	Autoscan	-
Sample Rate	8KHz (for G.711-A/G.711-U), 16KHz, 32KHz, 44.1KHz and 48KHz (for AAC)	Area Zoom	-
Audio Interface	1 input, Linear level	IR Illumination	
Two-way Audio	Supported	Smart-IR	Available
Mic & Speaker	Built-in Mic	Wave Length	850nm
		Night Vision Distance	30m
		Temperature Measurement	
		Screening	-
		Function	-
		Measurement	-
		Measurement	-
		Distance	-
		Measurement Range	-
		Accuracy	-

TECHNICAL SPECIFICATIONS

Smart Analytics	
Video Analytics	Fireworks detection - Flame and smoke identification, can filter sunlight, lights, video flame, hot body and other interference Electric vehicle detection - Support Density counting - Density detection, crowd detection and people counting Behaviour Analysis - Wire crossing detection, intrusion detection
Storage	
Storage Slots	Supports single card
Built-in Storage	Up to 128GB
NAS Storage	-
Local PC Recording	Available
Alarm	
Alarm Ports	2 alarm inputs, 1 on-off output
Alarm Input	Smart analysis, network disconnection and heartbeat loss
Alarm Association	Email, image upload via FTP, image upload via HTTP and alarm info push
System Functions	
Operating System	Win 7 and higher versions
Browser	IE8 and higher versions
Access Protocol	ONVIF Profile S & G, Infinova CGI
Multiple Access	Up to 20-ch simultaneous access
Web Server	Available
Remote Upgrade	Available
Password Protection	Available
RS485 Port	-
Analog Video Output	-
Maximum Number of Users	64, with 3 types of users available: administrator, normal user, and operator
Wiper	-
Network	
Network Interface	1 RJ45 10M/ 100M self-adaptive Ethernet port

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
IP Address Filtering	Available
Network Delay	≤250ms
Environmental	
Anti-Static	Air discharge: 8KV; contact discharge: 6KV
Surge Protection	Difference mode ±1KV, common mode ±2KV
Operating Temperature	-40°F~140°F (-40°C~+60°C)
Storage Temperature	-4°F~140°F (-20°C~+60°C)
Operating Humidity	≤ 95% RH
Environmental Rating	-
Impact Resistance	-
Mechanical	
Manual Speed	-
Preset Speed	-
Rotation Angle	-
Preset Accuracy	-
Electric Motor	-
Electrical	
Power Supply	PoE (IEEE 802.3af Class 0)/ 12VDC
Power Consumption	≤12W
Physical	
Product Dimension (L×W×H) or (H x D)	Φ117.42mm × 95.60mm
Package Dimension (L x W x H)	130mm×130mm ×115mm
Unit Weight	263g
Shipping Weight	325g
Certifications	
Product Certifications	CE, FCC, RoHS

ORDERING INFORMATION

VH324-C402-P011	HD IP Minidome Camera, 4MP, 1/3"CMOS, Day/Night, H.265/H.264/M-JPEG/SVC, 2.8 mm fixed lens, IR illumination distance up to 30m, 5m white light illumination distance, With trailing cable (RJ45, power supply), built-in MIC and speaker, with audio and light alarm, indoor, PoE/12VDC
VH324-C404-P011	HD IP Minidome Camera, 4MP, 1/3"CMOS, Day/Night, H.265/H.264/M-JPEG/SVC, 4 mm fixed lens, IR illumination distance up to 30m, 5m white light illumination distance, With trailing cable (RJ45, power supply), built-in MIC and speaker, with audio and light alarm, indoor, PoE/12VDC
Accessories	
Power Supply	
N3921-12D-1	AC to DC Power Supply, Plug-In, 230VAC, Output 12VDC, 1.5A
N3922-30P-2	Smart POE Injector, 100VAC-240VAC input, 30W output

***Note:** - "Confirmation of SD Card installation has to be notified with the Camera Purchase Order. Such confirmation if received on Order Readiness will attract additional cost. Please contact Infinova to know more".

DIMENSIONS

