VH314-C4 SERIES

HD 4MP IR IP CAMERA

Infinova®

| 4.0 4.0 Mega Pixels | 1/3" CMOS CMOS | H.265 | H.264 | M-JPEG | SVC | Day & Night |
| ONVIF | http:// Web Server | PoE | IP66 IP66 | | | |

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 50 meters
- The maximum white light illumination distance can be up to 10 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, 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
- PoE/12VDC
- IP66 environmental rating

DESCRIPTION

Infinova VH314-C4 Series HD 4MP IR IP Camera applies 1/3-inch CMOS sensor and embedded HD fixed-focus lens (4mm/6mm/8mm optional). Backed by dot-matrix IR LED and white light, the product supports IR illumination distance up to 50m, and the white light distance up to 10m.

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 marvelous 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 Sensor	1/3" progressive scan CMOS
Optical Zoom	-
Digital Zoom	-
Focal Length	f= 4mm, 6mm, 8mm
Iris	F1.6
Focus	Available with online assistant focus
FOV(H/V/D)	4mm - H:79.5°; V:43.1°; D:93.6°, 6mm - H:50.5°; V:28.3°; D:58°, 8mm - H:39°; V:22°; D:44°
Lens Mount	M12
Lens (Thermal)	
Imager Type	-
Lens Type	-
Spectral Band	-
Pixel Size	-
NETD	-
Focal Length	-
FOV	-
Video	
Camera Resolution (Visible Lens)	4MP
Camera Resolution (Thermal Lens)	-
Max. Coding Capacity (Visible Lens)	Major stream: H.264/H.265 –30fps@2560×1440 Minor stream: H.264/H.265- 30fps@1280×720
Max. Coding Capacity (Thermal Lens)	-
Data Rate	VBR/CBR Major stream: 128Kbps~10240Kbps; Minor stream: 128Kbps~4096Kbps
Video Compression	H.265/H.264/M-JPEG/SVC independent coding
Multi-Streaming	Two - stream independent output
Video Rotation	Video can be rotated by 90°, 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

Two-way Audio	-
Mic & Speaker	Mic- Built-in, Speaker - Built-in
Image	
Shutter	Auto/Manual (1/1s~1/32,000s)
WDR	Digital WDR
Exposure	Auto/Manual/Shutter
Sensitivity	Color mode: 0.1 Lux@ F1.6(AGC ON); B/W mode:0.01 Lux@ F1.6(AGC ON); 0Lux (IR 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 by video rotation
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	Available
Wave Length	850nm
Night Vision Distance	50m
Temperature Measurement	
Screening	-
Function	-
Measurement	-

TECHNICAL SPECIFICATIONS

Measurement Distance	-	Wiper	-
Measurement Range	-	**Network**	
Accuracy	-	Network Interface	1 RJ45 10M/ 100M self-adaptive Ethernet port
Smart Analytics		Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP (V1, V3), FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
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	IP Address Filtering	Available
		Network Delay	≤250ms
		Environmental	
		Anti-Static	Air discharge: 8KV; contact discharge: 6KV
		Surge Protection	Difference mode: ±1KV, common mode: ±2KV
Storage		Operating Temperature	-40°F~140°F (-40°C~+60°C)
Storage Slots	Support single card	Storage Temperature	-4°F~140°F (-20°C~+60°C)
Built-in Storage	up to 128GB	Operating Humidity	≤ 95% RH
NAS Storage	-	Environmental Rating	IP66
Local PC Recording	Available	Impact Resistance	-
Alarm		**Mechanical**	
Alarm Ports	-	Manual Speed	-
Alarm Input	smart analysis, network disconnection and heartbeat loss	Preset Speed	-
		Rotation Angle	-
Alarm Association	Email, image upload via FTP, image upload via HTTP and alarm info push	Preset Accuracy	-
		Electric Motor	-
System Functions		**Electrical**	
Operating System	Win 7 and higher versions	Power Supply	PoE (IEEE 802.3af Class 2) /12VDC
Browser	IE8 and higher versions	Power Consumption	<12W
Access Protocol	ONVIF Profile S/G, CGI 2.7	**Physical**	
Multiple Access	Up to 20-ch simultaneous access	Product Dimension (L×W×H) or (H x D)	185.2mm×93.7mm×89.9mm
Web Server	Available	Package Dimension (L x W x H)	240mm×130mm×120mm
Remote Upgrade	Available	Unit Weight	459g
Password Protection	Available	Shipping Weight	688g
RS485 Port	-	**Certifications**	
Analog Video Output	-	Product Certifications	CE, FCC, IP66, RoHS
Maximum Number of Users	64, with 3 types of users available: administrator, normal user, and operator		

ORDERING INFORMATION

VH314-C404-P0	HD Megapixel IP Camera, 4MP, 1/3"CMOS, Day/Night, H.265/H.264/M-JPEG/SVC, 4mm Fixed lens, IR illumination distance up to 50m, 10m white light illumination distance, outdoor, IP 66, With trailing cable (RJ45 and power), built-in MIC and speaker, with audio and light alarm, PoE/12VDC
VH314-C406-P0	HD Megapixel IP Camera, 4MP, 1/3"CMOS, Day/Night, H.265/H.264/M-JPEG/SVC, 6mm Fixed lens, IR illumination distance up to 50m, 10m white light illumination distance, outdoor, IP 66, With trailing cable (RJ45 and power), built-in MIC and speaker, with audio and light alarm, PoE/12VDC
VH314-C408-P0	HD Megapixel IP Camera, 4MP, 1/3"CMOS, Day/Night, H.265/H.264/M-JPEG/SVC, 8mm Fixed lens, IR illumination distance up to 50m, 10m white light illumination distance, outdoor, IP 66, With trailing cable (RJ45 and power), built-in MIC and speaker, with audio and light alarm, 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