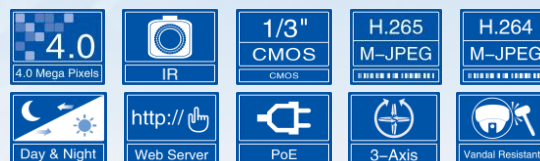


VH221-A4-A0 Series

HD 4MP WDR IR Smart IP Minidome Camera

Infinova®



- 1/3" CMOS sensor
- IR-Cut Removable (ICR) Filter for Day/Night switching
- 50m IR distance
- Uses Smart-IR technology; auto-adjusts IR lamp power according to ambient illumination
- Supports multi-frame integration WDR, with dynamic range up to 120dB
- Smart functions, such as premier protection (including cross-line and area intrusion detection) ,and feature protection (scene change, defocus, color cast, low brightness, and high brightness detection)
- Built-in motorized zoom lens, supporting assistant focusing
- H.265+M-JPEG or H.264+M-JPEG video encoding, three streams
- Maximum resolution supports 2592×1520@20fps/2560×1440@25fps
- Bi-directional audio, G.711a/G.711u/ACC
- Supports corridor mode
- Local PC recording
- Supports TF card storage/NAS storage
- Support alarm recording and event recording (including network disconnection)
- Supports alarm snapshot and event snapshot
- Supports multiple alarm trigger methods such as I/O input, broken network, motion detection, video tampering, smart analyzing,, etc.;
- supports flexible alarm association settings like I/O output, emails, FTP picture uploading, audio, TF card recording and alarm information push
- Up to 8 ROI (Region of Interest) areas
- Up to four definable motion detection areas
- Up to four definable privacy mask areas
- Supports live access and parameter setting via Web Server from multiple users
- Compatible with digital video surveillance software like Infinova V2216
- Standard SDK provided for easy integration with other video surveillance software
- ONVIF Profile Q, S, G & T compliant
- New structure design, surface mount; bracket mount can be achieved when using installation accessories
- 3-axis adjustment

- IP66 rating
- Rugged design (IK10)
- PoE/12VDC/24VAC

VH221-A4 Series is the recently introduced Infinova HD 4MP WDR IR Smart IP Minidome Camera. It adopts a 1/3" progressive scan CMOS sensor with an internal 2.8-12mm HD motorized zoom lens. The camera has an internal dot matrix LED IR lamp of 50m IR distance. The IR lamp output power can be adjusted automatically according to the brightness of the scene so that the IR lamp is not working at full capacity. The power consumption of the complete machine is greatly lowered and the service life is lengthened.

The camera supports up to 2592×1520@20fps HD network video output. It uses H.265/H.264/M-JPEG encoding. The output gives excellent definition and color reproduction. You can acquire more detailed and accurate information. It boasts of rich smart functions, such as wire cross, regional invasion, scene change detection, defocus, color cast, low brightness detection and high brightness detection. The camera applies to various high-end businesses.

Compact structure makes it easy to install. Also, this camera provides 3-axis adjustment, easy to adjust the monitoring angle.

This camera suits ordinary buildings, supermarkets, hotels, shops, parks, schools, factories, warehouses, underground parking lots and other occasions without lighting but requiring HD images.

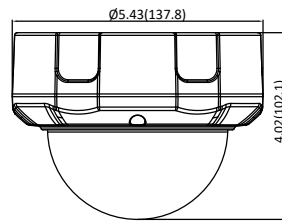
Technical specifications

Image Sensor	1/3" CMOS	Smart Functions	Wire cross, regional invasion detection, scene change, defocus, color cast, low brightness, high brightness
Lens Configuration	Motorized zoom lens, F1.4, f=2.8-12mm	Alarm	2 alarm inputs, 1 on-off output
Lens Mount	Φ14	Network Delay	< 250ms
FOV	H: 30-101, V: 18-56, D: 35-121	Motion Detection	Supports up to 4 motion detecting areas
IR Lamp Wave Length	850nm	Privacy Mask	Up to 4 masks
Night Vision Distance	50m	ROI	Up to 8 regions
Camera Angle Adjustment	X (Panning): 0°~360°; Y (Tilting): 0°~72°; Z (Rotating): 0°~360°	Internal Storage	Supports a Micro SD/SDHC/SDXC card (128G)
Day/Night Switching	ICR	Local PC Recording	Available
Sensitivity	Color mode: 0.01 lux@F1.4 (30IRE, AGC ON); B/W mode: 0 lux (IR ON)	Remote Network Upgrade	Available
S/N Ratio	52dB	Password Protection	Available
Exposure	Scene, Manual, Shutter	Network Port	One RJ45 10/100M self-adaptive Ethernet port
Shutter	Auto/Manual (adjustment range 1/1s~1/32000s)	Analog Video Output	Available, BNC port
AGC	Auto/Manual adjustable, max. 64X	Network Protocols	IPv4, IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TLS, SSL, 802.1X, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
White Balance	Auto/Manual/Outdoor	IP Address Filter	Available
WDR	Supports multi-frame integration mode wide dynamic range up to 120dB	Power Supply	PoE (IEEE 802.3af)/12VDC/24VAC
Video Adjustment	Brightness, contrast, saturation, chroma, sharpness	Power	<9W
Noise Reduction	3D	Protection Design	Lighting protection (network port and power supply connector): protection differential mode 2KV, common mode 2KV surge; Anti-static (all ports): contact protection 6KV static
Defog	Available	Operating Temperature	-40°F ~ 140°F (-40°C ~ 60°C)
EIS	Available	Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Corridor Mode	Available	Operating Humidity	0%~95% RH (non-condensing)
Image Mirror	Horizontal/Vertical mirror	Unit Dimensions (H×Ø)	4.02"×5.43" (102.1mm×137.8mm)
Video Compression	H.265/H.264 switchable	Box Dimensions (L×W×H)	8.03"×6.34"×8.11" (204mm×161mm×206mm)
Max. Encoding Capacity	2592×1520@20fps+720×480@30fps+M-JPEG 1080P@5fps	Unit Weight	1.98lbs. (0.9Kg)
Optional Resolution	Major stream: 2592×1520/2560×1440/2048×1520/2304×1296/ 1920×1080/1280×960/1280×720; Minor stream: 1920×1080/1280×960/1280×720/720×576/ 704×576/640×480/352×288/320×240; M-JPEG: 1920×1080/1280×960/1280×720	Shipping Weight	2.54lbs. (1.15Kg)
Output Code Rate	Variable; Constant: major stream: 256Kbps~10000Kbps; minor stream: 256Kbps~2000Kbps	Certifications and Approval	
Audio	Compression: G.711a, G.711u, ACC Sampling rate: 8KHz, 16KHz, 32KHz, 44.1KHz, 48KHz optional Port: 1 linear input, 1 linear output	Product Certifications	CE/EMC: EN 55032, EN 55024, EN 61000-3-2, EN 61000-3-3 ¹ ; FCC: Part 15 Subpart B Class A ² IK10; IP66; ISO 9001:2008; IP66; IK10; UL ³
		Certificate No.: ¹ CTL1703238084-EC; ² CTL1703238084-FC; ³ E232008	

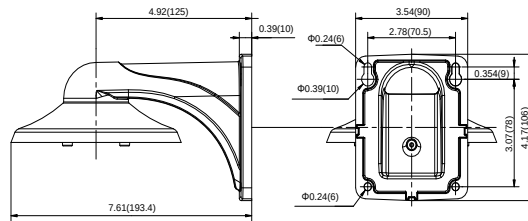
Ordering information

VH221-A40B-A022	HD 4MP WDR IR Smart IP Minidome Camera, 4.0MPx, 1/3 inch CMOS, Day/night, H.265/H.264/M-JPEG, with audio alarm, 2.8~12mm motorized zoom lens, 50m IR distance, Surface mount, Clear Bubble, Vandal-resistant, IP66, PoE/12VDC/24VAC
Accessories	
V1761HA	Wall Mount

Dimensions



Surface Mount



Wall Mount

(Unit: inch, in the parentheses is mm)