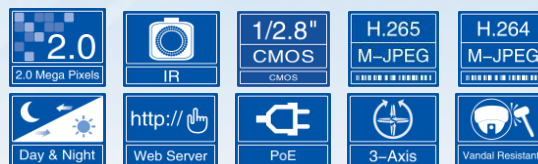


VH221-A2-A Series

HD 2MP WDR IR Smart IP Minidome Camera

Infinova[®]



- 1/2.8" CMOS sensor
- IR-Cut Removable (ICR) Filter for Day/Night switching
- 30m 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 132dB
- Built-in motorized zoom lens, supporting assistant focusing
- H.265+M-JPEG or H.264+M-JPEG video encoding, three streams
- Maximum resolution supports 1920×1080@30fps
- 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)
- Bi-directional audio, G.711a/G.711u/ACC
- Supports PC recording
- Supports SD 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, motion detection, smart analyzing, SD card removal, network disconnection, heartbeat loss etc.; supports flexible alarm association settings like I/O output, emails, FTP picture uploading, audio, SD card recording and alarm information pushing
- Up to 8 ROI (Region of Interest) areas
- Up to four definable motion detection areas
- Up to four definable privacy mask areas
- Supports Corridor Mode
- Supports live access and parameter setting via Web Server from multiple users
- Compatible with digital video surveillance software
- Standard SDK provided for easy integration with other video surveillance software
- ONVIF Profile Q, S, G & T compliant
- IP66 rating
- Rugged design (IK10)
- PoE/12VDC/24VAC
- With analog video output

VH221-A2 Series is the recently introduced Infinova HD 2MP WDR IR Smart IP Minidome Camera. It adopts a 1/2.8" 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 30m 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 1080P@30fps 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	1/2.8" CMOS	Alarm	2 alarm inputs, 1 on-off output
Lens Configuration	Motorized zoom lens, F1.4, f=2.8-12mm	Network Delay	≤200ms
Lens Mount	Φ14	Motion Detection	Supports up to 4 motion detecting areas
FOV	H: 33-107, V: 18-56, D: 36-123	Privacy Mask	Up to 4 masks
IR Lamp Wave Length	850nm	ROI	Up to 8 regions
Night Vision Distance	30m	Internal Storage	Supports a Micro SD/SDHC/SDXC card (128G)
Camera Angle Adjustment	X (Panning): 0°~360°; Y (Tilting): 0°~72°; Z (Rotating): 0°~360°	Local PC Recording	Available
Day/Night Switching	ICR	Remote Network Upgrade	Available
Sensitivity	Color mode: 0.002 lux@F1.4 (AGC ON); B/W mode: 0.002 lux@F1.4 (AGC ON) 0 lux (IR ON)	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, 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
White Balance	Auto/Manual/Outdoor	IP Address Filter	Available
WDR	Supports multi-frame integration mode wide dynamic range up to 132dB	Power Supply	PoE (IEEE 802.3af)/12VDC(-15%~+25%)/24VAC (-15%~+25%)
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
BLC	Available	Operating Temperature	-40°F ~ 140°F (-40°C ~ 60°C)
Defog	Available	Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
EIS	Available	Operating Humidity	0%~90% RH (non-condensing)
Corridor Mode	Available	Unit Dimensions (H×W×D)	4.02"×5.43" (102.1mm×137.8mm)
Image Mirror	Horizontal/Vertical mirror	Box Dimensions (L×W×H)	8.03"×6.34"×8.11" (204mm×161mm×206mm)
Video Compression	H.265/H.264 switchable M-JPEG independent	Unit Weight	1.98lbs. (0.9Kg)
Max. Encoding Capacity	1080P@30fps+720P@30fps+M-JPEG1080P@5fps	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
Smart Functions	Detections of wire cross, regional invasion, scene change, defocus, color cast, low brightness, high brightness	Certificate No.: ¹ CTL1703238084-EC; ² CTL1703238084-FC; ³ E232008	

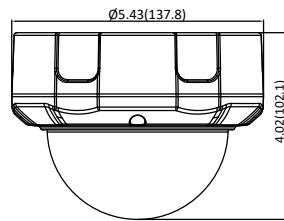
Ordering information

VH221-A20B-A022 HD 2MP WDR IR Smart IP Minidome Camera, 2.0MPx, 1/2.8 inch CMOS, Day/night, H.265/H.264/M-JPEG, with audio alarm, 2.8~12mm motorized zoom lens, 30m IR distance, Surface mount, Clear Bubble, Vandal-resistant, IP66, PoE/12VDC/24VAC

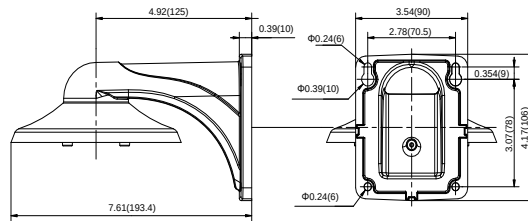
Accessories

V1761HA Wall Mount

Dimensions



Surface Mount



Wall Mount

(Unit: inch, in the parentheses is mm)