

VH211-A40E Series

HD 4MP WDR IR Smart IP Bullet Camera

Infinova[®]
The Integrator's Manufacturer



- 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 perimeter protection (wire cross and regional invasion detection) and feature protection (field of view change, defocus, color cast, too dark and too light 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, 2048x1520@30fps
- Bi-directional audio, G.711a/G.711u optional
- Supports corridor mode
- Local PC recording
- Supports TF card storage/NAS storage
- Support alarm recording and event recording (including broken network)
- Supports alarm snapshot and event snapshot
- Supports multiple alarm trigger methods such as IO input, broken network, motion detecting, video tampering, smart detecting, etc.; supports flexible alarm connected settings like I/O output, emails, FTP picture uploading, audio, TF card recording and alarm information push
- Up to eight ROI (Region of Interest) areas
- Supports motion detection, 4 areas configurable
- Supports privacy mask, 4 privacy areas configurable
- Supports live access and parameter setting via Web Server from multiple users
- Compatible with digital video surveillance software like Infinova V2200, V2217
- Standard SDK is provided for easy integration with other video surveillance software
- ONVIF Profile S compliant
- Supports PoE/12VDC/24VAC power supply
- IP67 rating
- With analog video output

VH211-A40E Series is an Infinova HD 4MP WDR IR Smart IP Bullet Camera. It adopts a 1/3" progressive scan CMOS sensor with an internal 7mm~22mm 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. More detailed and accurate information can be acquired and the accuracy of smart analysis can be guaranteed more effectively.

The camera uses a brand-new structural design, nice appearance, portable and easy to install.

The products can be widely used in sites that demand high definition image quality with no lighting of ordinary buildings, supermarkets, hotels, shops, parks, schools, factories, warehouses, underground parking lots, etc.

Technical specifications

Image Sensor	1/3" CMOS
Lens Configuration	Motorized zoom lens F1.4, f=7-22mm
Lens Mount	Ø14
IR Lamp Wave Length	850nm
Night Vision Distance	50m
Day/Night Switching	ICR
Sensitivity	Color mode: 0.01 lux@F1.4 (30IRE, AGC ON); B/W mode: 0 lux (IR ON)
S/N Ratio	52dB
Exposure	Scene, Manual, Shutter
Shutter	Auto/Manual (adjustment range 1/1s~1/32000s)
AGC	Auto/Manual adjustable, max. 64X
White Balance	Auto/Manual/Outdoor
WDR	Supports multi-frame integration mode wide dynamic range up to 120dB
Video Adjustment	Brightness, contrast, saturation, chroma, sharpness
Noise Reduction	3D
Defog	Available
EIS	Available
Corridor Mode	Available
Image Mirror	Horizontal/Vertical mirror
Video Compression	H.265/H.264 switchable M-JPEG independent
Max. Encoding Capacity	2592×1520@20fps+720P@30fps+M-JPEG1080P@5fps
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
Output Code Rate	Variable; Constant: major stream: 256Kbps~10000Kbps; minor stream: 256Kbps~2000Kbps
Audio	Compression: G.711a, G.711u Sampling rate: 8KHz, 16KHz optional Port: 1 linear input, 1 linear output
Smart Functions	Video anomaly detection, Wire cross, regional invasion detection

Alarm	2 alarm inputs, 1 on-off output
Network Delay	≤250ms
Motion Detection	Supports up to 4 motion detecting areas
Privacy Mask	Up to 4 masks
ROI	Up to 8 regions
Internal Storage	Supports a Micro SD/SDHC/SDXC card (128G)
Mirroring Storage	Supports uploading of recordings saved on TF card during network disconnection to the VMS or NVR after network recovery
Local PC Recording	Available
Remote Network Upgrade	Available
Security	Password protection, IP Address Filtering, User Access Log
Network Port	One RJ45 10/100M self-adaptive Ethernet port
Analog Video Output	Available, BNC connector
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
Power Supply	PoE (IEEE 802.3af)/12VDC/24VAC
Power	<13W
Protection Design	Lighting protection (network port and power supply connector): protection difference mode 2KV, common mode 4KV surge; Anti-static (all ports): contact protection 6KV static
Operating Temperature	-40°F ~ 140°F (-40°C ~ 60°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Operating Humidity	0%~90% RH (non-condensing)
Unit Dimension (H×W×D)	3.33"×3.54"×11.83" (84.6mm×90mm×300.4mm)
Box Dimensions	14.96"×5.98"×5.12" (380mm×152mm×130mm)
Net Weight	2.09lbs. (0.95Kg)
Shipping Weight	2.76lbs. (1.25Kg)
Certifications and Approval	
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 ; ISO 9001:2008, IP67, IK10, UL ³

Certificate No.: ¹CTL1703238081-EC; ²CTL1703238081-FC, ³E232008-A49

Ordering information

VH211-A40E-A0	HD 4MP Megapixel WDR IR Smart IP Bullet Camera, 4.0M, 1/3"CMOS, day/night, H.265/H.264/M-JPEG, with audio alarm, 7~22mm motorized zoom lens, IR illumination distance up to 50m, outdoor, IP67, PoE/12VDC/24VAC
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Dimensions

