VH211-A20B-C0

HD 2MP INTELLIGENT STARLIGHT WDR IR IP CAMERA

Infinova®

Smart | 2.0 2.0 Mega Pixels | H.265 | H.264 | M-JPEG | SVC | Day & Night

ONVIF | http:// Web Server | PoE | UL | IP67

FEATURES

- 1/2.8" progressive scan CMOS
- IR-Cut Removable (ICR) Filter for true Day/Night
- IR illumination distance up to 50m
- Applied with Smart-IR technology to adjust the light power according to ambient lighting conditions
- Support multi-frame integrated WDR, with a range up to 120dB
- Built-in motorized zoom lens
- Support H.265/H.264/M-JPEG/SVC encoding formats
- High-resolution image signal output: 1080P@30fps
- Smart H.265/Smart H.264 available for efficient use of band resources
- Support vivid smart functions such as such as video anomaly detection, behaviour-analysis detection, sound detection, intelligent grouping detection and Face capture grouping integrated with mask recognition
- Bi-directional audio, G.711-A/G.711-U/AAC
- Local PC recording
- Micro SD card
- Up to 8 ROI (Region of Interest) areas
- Up to 16 definable privacy mask areas
- Supports corridor mode
- Supports simultaneous access and parameter setting via Web Server from multiple clients

- Onvif Profile S & G compliant
- Powered by PoE/12VDC/24VAC
- IP67 environmental rating
- UL

DESCRIPTION

Infinova VH211-A20B-C0 series HD 2MP Intelligent Starlight WDR IR IP camera applies 1/2.8-inch CMOS sensor and 2.8~12 mm HD motorized zoom lens. The built-in IR lights can cover up to 50m and its power can be automatically adjusted according to ambient lighting conditions, greatly reducing power consumption and extending its service life.

With H.265/H.264/M-JPEG/SVC video compression formats, the camera outputs three video streams and delivers high-quality images with resolution up to 1920×1080@30fps, which can provide marvelous definition, color restoration and accurate details.

Based on the self-developed deep learning algorithm, the camera supports full smart analysis functions, including video anomaly detection, face detection, tracking and capture, mask recognition, counting application, crowd density detection, behavior analysis and so on to meet all kinds of high-end commercial applications.

The camera can be widely used in ordinary buildings, supermarkets, hotels, shops, parks, schools, factories, warehouses, underground parking and other occasions with low light conditions but requiring high-quality images.

TECHNICAL SPECIFICATIONS

Lens (Visible)

Image Sensor	1/2.8" progressive scan CMOS
Optical Zoom	-
Digital Zoom	-
Focal Length	f=2.8~12 mm
Iris	F1.6
Focus	Online assistant focus available
FOV(H/V/D)	H:101°~33.2°; V:53.2°~18.6°; D:123.2°~38°
Lens Mount	Φ14

Lens (Thermal)

Imager Type	-
Lens Type	-
Spectral Band	-
Pixel Size	-
NETD	-
Focal Length	-
FOV	-

Video

Camera Resolution (Visible Lens)	2MP
Camera Resolution (Thermal Lens)	-
Max. Coding Capacity (Visible Lens)	Major stream: H.264/H.265-30fps@1920x1080 Minor stream: H.264/H.265-30fps@1280×720 Third stream: M-JPEG- 30fps@1920x1080
Max. Coding Capacity (Thermal Lens)	-
Data Rate	VBR/CBR Major stream: 256Kbps~10240Kbps; Minor stream: 256Kbps~4096Kbps
Video Compression	H.265/H.264/M-JPEG/SVC independent coding
Multi-Streaming	Three - stream independent output
Video Rotation	Video can be rotated by 90°, 180° or 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; 1 output, Linear level
Two-way Audio	Available

Mic & Speaker	-

Image

Shutter	Auto/Manual (1/1s~1/32,000s)
WDR	Up to 120dB
Exposure	Auto/Manual/Shutter
Sensitivity	Color mode: 0.001 Lux@ F1.4(AGC ON); B/W mode: 0.0001 Lux@ F1.4(AGC ON); 0 lux (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 16 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	-	Web Server	Available
Measurement Range	-	Remote Upgrade	Available
Accuracy	-	Password Protection	Available
Smart Analytics		RS485 Port	-
		Analog Video Output	Available, BNC connector
Video Analytics	Video Anomaly Detection-Camera tampering, camera shifting, defocus detection, high brightness detection, low brightness detection, video loss detection, color cast detection, and motion detection Behaviour Analysis Detection - Wire crossing detection, intrusion detection, object abandoned detection, object lost detection, loitering detection, crowd detection, fast moving detection, target stop detection, and fall over detection Sound Detection - Abnormal sound detection and fight detection Statistics Detection - Counting, density detection, queue length detection and dwelling detection Intelligent Grouping Detection- Behaviour analysis grouping, face capture grouping. Face capture - Supports face detection, tracking and capturing. Optimum Selection- Supports optimum selection and duplicate removal for captured target images to deliver the best-quality images. Face Exposure - Available Face attributes - gender, glasses, eyes open, mask, mouth open	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, RTC, 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	<200ms
		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	IP67
		Impact Resistance	IK10
Storage		**Mechanical**	
Storage Slots	Support single card	Manual Speed	-
Built-in Storage	up to 128GB	Preset Speed	-
NAS Storage	-	Rotation Angle	-
Local PC Recording	Available	Preset Accuracy	-
		Electric Motor	-
Alarm		**Electrical**	
Alarm Ports	2 alarm inputs, 1 on-off output	Power Supply	PoE (IEEE 802.3af Class 2) /12VDC /24VAC
Alarm Input	I/O input, smart detection, SD card full of videos, SD card full of images, network disconnection, heartbeat loss	Power Consumption	<12W
		Physical	
Alarm Association	I/O output, email, image upload via FTP, image upload via HTTP, SD card recording, SD card snapshot, alarm info push	Product Dimension (L×W×H) or (H x D)	3.33"×3.54"×11.83" (84.6mm×90mm×300.4mm)
		Package Dimension (L x W x H)	14.96"×5.98"×5.12" (380mm×152mm×130mm)
System Functions		Unit Weight	2.09lbs. (0.95Kg)
Operating System	Win 7 and higher versions	Shipping Weight	2.76lbs. (1.25Kg)
Browser	IE8 and higher versions	**Certifications**	
Access Protocol	ONVIF Profile S&G, CGI 2.7	Product Certifications	UL, IP67,IEC
Multiple Access	Up to 20-ch simultaneous access		

ORDERING INFORMATION

VH211-A20B-C0	HD Megapixel Intelligent Starlight WDR IR IP Bullet Camera, 2MP, 1/2.8" CMOS, Mask recognition, Day/night, H.265/H.264/M-JPEG/SVC, 2.8~12 mm motorized zoom lens, IR illumination distance up to 50m, Outdoor, IP67, With audio alarm, PoE/12VDC/24VAC
Accessories	
Power Supply	
N3921-12D-1	AC to DC Power Supply, Plug-In, 230VAC, Output 12VDC, 1.5A
N3922-24A-2	AC to AC Power Supply, Plug-In, 230VAC, Output 24VAC, 3A
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

Ø3.15(80.0)

3-Ø0.20(5.0)

Ø2.56(65.0)

Ø3.03(77.0)

3.33(84.6)

4.83(122.7)

3.54(90.0)

90.0°

11.83(300.4)
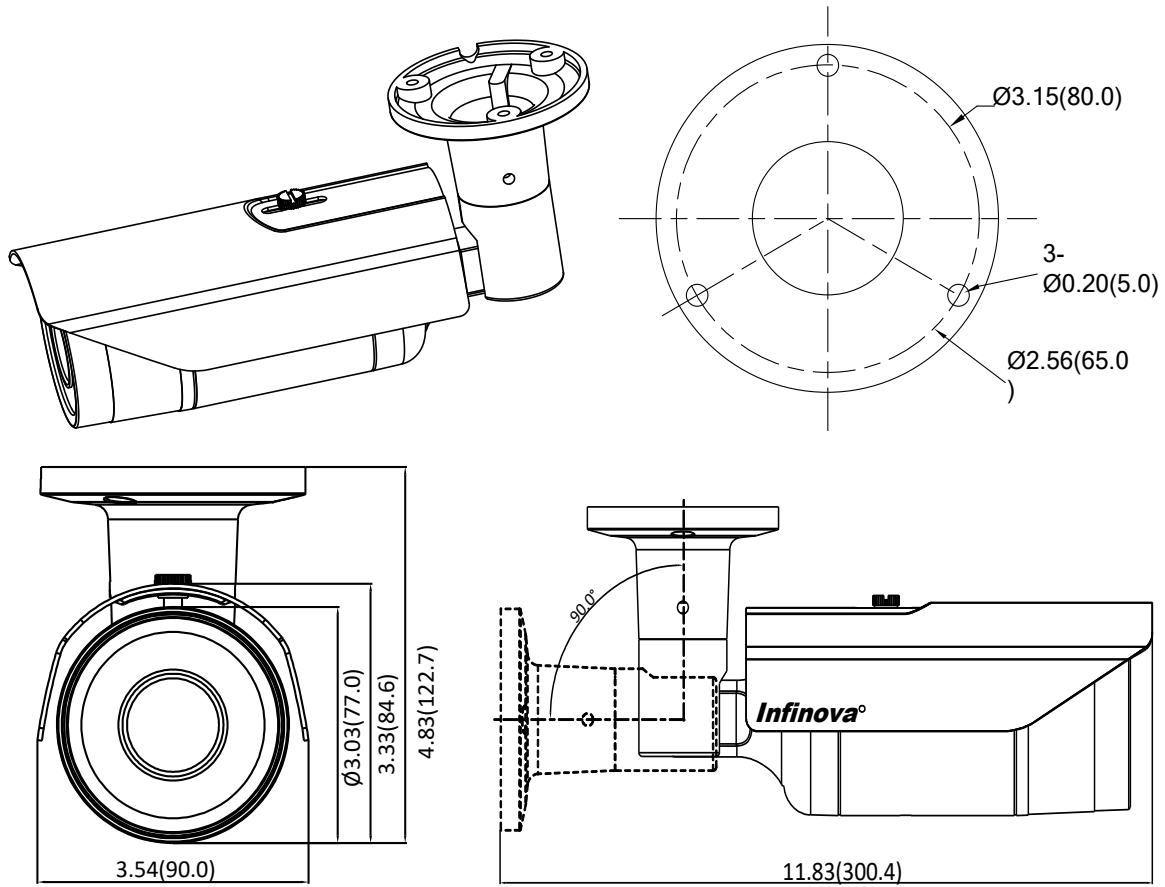
(Unit: inch, in the parentheses is mm)