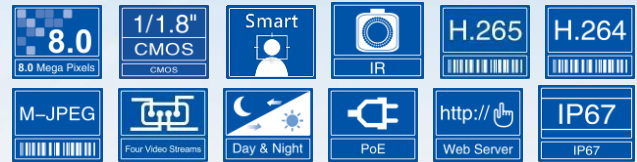


VS211-A60B-A0 Series HD 8.0MP Starlight Intelligent IR IP Fixed Camera

Infinova[®]
The Integrator's Manufacturer



- 1/1.8" progressive scan CMOS sensor
- IR-Cut Removable (ICR) Filter for Day/Night switching
- Sensitivity: 0.0001 lux
- Uses Smart-IR technology; auto-adjusts IR lamp power according to ambient illumination
- Built-in dot matrix IR illuminators up to 50 meters night vision distance
- High-resolution image signal output: 3840 x 2160@30fps
- Supports frame integration WDR, with dynamic range up to 120dB
- Built-in motorized zoom lens, supporting assistant focusing
- H.265/H.264/M-JPEG video encoding, four streams
- Supports vivid intelligent detection functions:
 - 7 abnormal video detections: camera tampering, scene change, defocus, low brightness, high brightness, video loss, and color cast
 - 10 behavior-analysis detections: motion detection, wire crossing detection, intrusion detection, loitering detection, object abandoned detection, object lost detection, abnormal sound detection, crowd detection, fast moving detection, and fighting detection
 - 4 statistics detections: people counting, density detection, queue length detection, and dwelling detection
 - 3 feature detections: face detection, vehicle detection, and people detection
- Based on deep learning, supports face detection, face tracking and snapshot.
- Supports snapshots priority selection and duplicate deletion, which means captured face images can have a prioritized selection according to the face angle and the image definition so as to ensure the invalid images will not be uploaded to the server to waste its capacity. Face images or scene images can be uploaded to the platform for secondary research and analysis.
- Able to detect faces within depression angle $\pm 20^\circ$, right and left deflection $\pm 40^\circ$, and right and left tilt $\pm 30^\circ$.
- Able to detect faces that the pupil distance is as much as 20 pixels.
- Able to detect 32 faces simultaneously in a scene.
- With a width of 8m in the center area of face detection, it can effectively cover every major entrance/exit and reduce the schedule cost.

- Supports intelligent exposure on face
- Supports regional configuration of face detection, compatible with large scene surveillance and face capture
- Supports built-in storage/NAS
- Bi-directional audio, G.711-U/G.711-A/AAC
- 2 alarm inputs, 1 on-off output
- Supports multiple alarm trigger methods such as I/O input, intelligent detection, SD card removal, SD picture full, SD record full, network disconnection, heartbeat loss, 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
- Support simultaneous access and parameter setting via Web Server from multiple clients
- Compatible with Infinova digital video surveillance software
- Standard SDK is provided for easy integration with other systems
- Onvif Profile S. Onvif Profile G
- POE/12VDC/24VAC power supply
- IP67 environmental rating
- With analog video output.

Infinova VS211-A60B-A0 Series Starlight Intelligent IR IP bullet camera features 1/1.8" progressive scan CMOS sensor and built-in megapixel 2.8-12mm motorized Vari-focus lens. With H.265/H.264/M-JPEG compression format utilized, this camera can output HD videos with the resolution of 3840x2160@30fps. The built-in dot matrix IR illuminators allow a maximum of 50 meters night vision distance.

Boasts of rich intelligent functions, this camera supports facial detection and face snapshot. The facial detection could be set as alarm events and would trigger image capture and upload the images to our V2233 Intelligent Platform for secondary detection and analysis. The camera applies to the "spot detection" in the video surveillance of Safe City.

Compact structure makes the camera easy to install.

VS211-A6 series camera is widely used in normal buildings, supermarkets, hotels, shops, parks, schools, factories, warehouses, underground parking lots and other high-resolution surveillance applications.

Technical Specifications

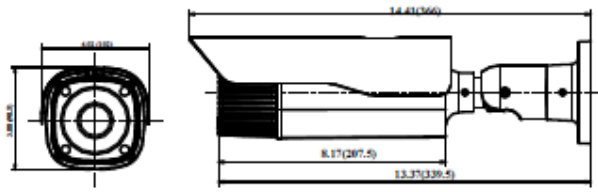
Image Sensor	1/1.8" progressive scan CMOS
Aperture/Focal Length	Motorized vari-focus lens, F1.5, f=2.8-12mm
Lens Mount	Φ 14
Day/Night Switching	ICR
IR Lamp Wavelength	850Nm
Night Vision Distance	50m
Sensitivity	Color mode: 0.001Lux@ c B/W mode: 0.0001Lux @ F1.5(AGC ON) 0 lux (IR ON)
DSS	Scene, Manual, Shutter
Exposure	ICR
Shutter	Auto/Manual (adjustment range 1/1s-1/32000s)
AGC	Auto/Manual adjustable, max. 64X
White Balance	Auto/Manual/Outdoor
WDR	Supports frame integration WDR, with dynamic range up to 120dB
Video Adjustment	Brightness, contrast, saturation, chroma, sharpness
Noise Reduction	3D
Defog	Available
EIS	Available
Corridor Mode	Available
Image Mirror	Available
Video Rotation	90°, 180°, 270° clockwise rotation
Video Compression	H.265/H.264/M-JPEG
Max. Encoding Capacity	H.264/H.265 -30fps@3840x2160+30fps@1920x1080+ 30fps@1920x1080+30fps@(720x576/720x480) H.264/H.265+M-JPEG -30fps@3840x2160+30fps@1920x1080+M-JPEG 30fps@3840x2160+30fps@(720x576/720x480)
Video Encoding	Supports independent outputting four streams
Network Delay	220ms
Audio	Compression: G.711-A/G.711-U/AAC Sampling rate: 8KHz (for G.711-A, G.711-U), 16KHz 32 KHz, 44.1KHz, 48 KHz optional (for ACC) Port: 1 linear input, 1 linear output
Smart Video Analytics	Abnormal video detections: camera tampering, scene change, defocus, low brightness, high brightness, video loss, and color cast Behavior-analysis detections: motion detection, wire crossing detection, intrusion detection, loitering detection, object abandoned detection, object lost detection, abnormal sound detection, crowd detection, fast moving detection, and fighting detection Statistics detections: people counting, density detection, queue length detection, and dwelling detection Feature detections: face detection, vehicle detection, and people detection

	Supports face detection, face tracking and snapshot based on deep learning Supports snapshots priority selection and duplicate deletion. Face images or scene images can be uploaded to the platform for secondary research and analysis Supports intelligent exposure
Alarm Input	2 alarm inputs, 1 on-off output I/O input, intelligent detection, SD card removal, SD picture full, SD record full, network disconnection, heartbeat loss
Linkage	I/O output, emails, FTP picture uploading, audio, TF card recording, alarm information push, SD card snapshot, and SD card recording
Privacy Mask ROI	Up to 4 masks Up to 8 regions
Internal Storage	Supports dual storage cards, compatible with Micro SD/SDHC/SDXC card (up to 128GB for one card)
Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP (V1, V3), FTP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
IP Address Filter	Available
Operating System	Windows XP, Win7, Win8, Windows10
Browser	IE8, IE9, IE10, IE11
Access Protocol	ONVIF Profile S & Profile G, CGI 2.7
Remote Network Upgrade	Available
Password Protection	Available
Network Port	One RJ45 10/100M self-adaptive Ethernet port
Analog Video Output	Available, BNC connector
Power Supply Power	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%) <13W
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, 8KV air discharge
Operating Temperature	-40°F ~ 140°F (-40°C ~ 60°C)
Operating Humidity	0 ~ 95%RH (non-condensing)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Unit Dimensions (LxWxH)	14.41"x4.02x3.88" (366mmx102mmx98.5mm)
Box Dimensions (LxWxH)	16.38"x6.73x5.35" (416mmx171mmx136mm)
Unit Weight	3.75lbs. (1.7Kg)
Shipping Weight	4.63lbs. (2.1Kg)

Ordering Information

VS211-A60B-A0	HD IR IP fixed camera, Starlight, WDR, Smart, 8.0Mpx, 1/1.8 inch CMOS sensor, Day/night, H.265/ H.264 /M-JPEG, 2.8~12mm motorized Vari-focus lens, with audio alarm, 50m IR distance, PoE/12VDC/24VAC
VS211-A20B-C0	HD IR IP fixed camera, Starlight, WDR, Smart, 2.0Mpx, 1/2 inch CMOS sensor, Day/night, H.265/ H.264 /M-JPEG, 2.8~12mm motorized Vari-focus lens, with audio alarm, 50m IR distance, PoE/12VDC/24VAC
VS211-A20E-C0	HD IR IP fixed camera, Starlight, WDR, Smart, 2.0Mpx, 1/2 inch CMOS sensor, Day/night, H.265/ H.264 /M-JPEG, 7~32mm motorized Vari-focus lens, with audio alarm, 50m IR distance, PoE/12VDC/24VAC
VS211-A20B-D0	HD IR IP fixed camera, Starlight, WDR, Smart, 2.0Mpx, 1/2.8 inch CMOS sensor, Day/night, H.265/ H.264 /M-JPEG, 2.8~12mm motorized Vari-focus lens, with audio alarm, 50m IR distance, PoE/12VDC/24VAC
VS211-A20E-D0	HD IR IP fixed camera, Starlight, WDR, Smart, 2.0Mpx, 1/2.8 inch CMOS sensor, Day/night, H.265/ H.264 /M-JPEG, 7~32mm motorized Vari-focus lens, with audio alarm, 50m IR distance, PoE/12VDC/24VAC

Dimensions



(Unit: inch, in the parentheses is mm)