

VS210-P5-A0 Series HD 6MP Smart Low Light WDR Face Capture IP Box Camera

Infinova[®]
The Integrator's Manufacturer



- 1/1.8" progressive scan CMOS sensor
- IR-Cut Removable (ICR) Filter for Day/Night switching
- Sensitivity: 0.001 lux
- Supports frame integration WDR, with dynamic range up to 120dB
- High-resolution image signal output: 3088×2072@30fps
- Auto Back Focus (ABF)
- Supports P-iris lens, auto-adjusting the iris according to gain control and exposure
- Quad Simultaneous Video Streams: H.265/H.264/M-JPEG video encoding formats.
- Supports vivid intelligent detection functions:
 - 7 types of anomaly detection: camera tampering, scene change, defocus, low brightness, high brightness, video loss, and color cast
 - 10 types of behavior-analysis detection: 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 types of statistics detection: people counting, density detection, queue length detection, and dwelling detection
 - 3 types of feature detection: face detection, vehicle detection, and humanoid detection
- Supports face detection, face tracking and face capture on the basis of deep learning
- Able to select an optimized capture face and delete the duplicate, which means that the selected face can be optimized by the capture angle and image definition and the invalid will not be uploaded to the platform. Besides, the image of the scene and faces can be uploaded to the platform for secondary analysis and research.
- Camera is installed right ahead the passage to capture the face. Up and down deflection <20°; Right and left deflection<40°; Right and left tilt <30°
- Able to detect faces that the Pupil Distance is no less than 20 pixels.
- Able to detect 32 faces in a scene.
- The width of detection area reaches 8m, which is sufficient to cover every major entrance/exit and make cost down.
- Supports image intelligent exposure.

- Supports SD card storage/NAS.
- Bi-directional audio, G.711-A/G.711-U/AAC.
- 2 alarm inputs, 1 on-off output.
- Supports multiple ways to trigger alarms, such as IO input, intelligent detection, SD card removal, net linkage lost, heartbeat loss, etc.; supports flexible alarm association settings, such as I/O output, email, FTP image upload, audio, SD card recording and arming schedules.
- Up to eight ROI (Region of Interest) areas.
- Users can have real-time visit and configure the parameters by Web Server.
- Standard SDK is provided to integrate with other video surveillance software.
- ONVIF Profile S/ONVIF Profile G compatible
- Standard SDK is provided for easy integration with other video surveillance software
- Wide voltage design

Infinova VS210-P5-A0 series H265 HD 6MP Smart WDR Face Capture IP Box Camera is based on the algorithm of deep learning. Boasts of rich intelligent functions, it 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.

VS210-P5-A0 series allows image output resolution up to 3088×2072@30fps, 1920×1080@60fps. With H.265/H.264/M-JPEG encoding, the camera outputs quad video streams, provides excellent resolution and color reproduction, acquires richer and more accurate details and guarantees intelligent analysis accuracy in a more effective way, which caters for different application needs.

VS210-P5-A0 series camera is widely used in city public security, highway, metro, station, exhibition hall, etc

Technical specifications

Image Sensor	1/1.8" progressive scan CMOS			
Lens Mount	C/CS			
ABF	Available			
Auto Iris	DC drive/P-iris			
FOV		H	V	D
	F1.4, 11-40mm	16°-29°	10°-20°	18°-35°
	F1.5, 3.6-17mm	20°-78°	12°-50°	22°-89°
Day/Night Functionality	ICR			
Sensitivity	Color mode: 0.01Lux F1.2 (AGC ON) B/W mode: 0.001Lux F1.2 (AGC ON)			
Exposure	Auto/Manual			
Shutter	Auto/Manual (1/1s~1/32000s)			
DSS	Available			
AGC	Auto/Manual			
White Balance	Auto/Manual/Outdoor			
WDR	Supports frame integration WDR , up to 120dB			
HLC	Available			
Video Adjustment	Brightness, contrast, saturation, hue and sharpness adjustable			
Noise Reduction	3D			
Anti-fog	Available			
EIS	Available			
Corridor Mode	Available			
Image Mirror	Horizontal/Vertical mirror			
Video Rotation	90°, 180° and 270° video rotation			
Video Compression	H.265, H.264, M-JPEG independent			
Max Coding Capacity	H.264/H.265			
	-30fps@3088×2072 -60fps@1920×1080			
Multi-stream	Quad streams independent			
Network Delay	220ms			
Audio Compression	G.711A/G.711U/ACC			
Audio Port	1 input, Linear level, Resistance: 1kΩ; 1 output, Linear level, Resistance: 600Ω			
Audio Code Rate	8KHz (for G.711-A/G.711-U) 16KHz, 32KHz, 44KHz, 48KHz (for AAC)			
Web Server	Available			
Upgrade Online	Available			
Password Protection	Available			
Smart Video Analytics	<p>Abnormal video detections: camera tampering, scene change, defocus, low brightness, high brightness, video loss, and color cast</p> <p>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</p>			

Smart Video Analytics	<p>Statistics detections: people counting, density detection, queue length detection, and dwelling detection</p> <p>Feature detections: face detection, vehicle detection, and people detection</p> <p>Supports face detection, face tracking and face capture on the basis of deep learning; Able to select an optimized capture face and delete the duplicate. The image of the scene and faces can be uploaded to the platform for secondary analysis and research.</p> <p>Supports intelligent exposure</p>
	Storage
Privacy Mask	Up to 4 masks
ROI	Up to 8 regions
Access Protocols	ONVIF Profile S& Profile G, CGI 2.7
Network Port	One RJ45 10/100M self-adaptive Ethernet port
Available Protocols	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
Alarm	2 alarm inputs, 1 on-off output
Alarm Input	I/O input, smart analysis, SD card pulling out, network disconnection, heartbeat loss
Alarm Association	I/O output, mail, snapshot, FTP upload, audio, SD card recording
RS485 Port	1-ch RS485 port
Analog Video Output	1-ch BNC connector
Operating System	Windows XP, Win7, Win8, Win10
Browser	IE8, IE9, IE10, IE11
Power Supply	12VDC(±20%)/24VAC (±30%)/PoE(802.3AF)
Power	≤6.5W
Protective design	Static electricity: 6KV, Surge 2KV
Operating Temperature	-22°F ~ 140°F (-30°C ~ 60°C)
Storage Temperature	-40°F ~ +158°F (-40°C ~ +70°C)
Operating Humidity	0~95% RH (non-condensing)
Unit Dimensions (L×W×H)	5.88"×2.97×2.84" (149.3mm×75.5mm×72mm) (including BNC)
Box Dimensions (L×W×H)	8.07"×4.92×3.94" (205mm×125mm×100mm)
Unit Weight	1.21lbs. (0.55Kg)
Shipping Weight	1.54lbs. (0.70Kg)
Certifications and Approval	
Product Certifications	CE/EMC: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3 ¹ , FCC: Part 15 Subpart B Class A ² , UL ³

Certificate No.: ¹CTL1508212422-E; ²CTL1508212422-F; ³E232008-A52

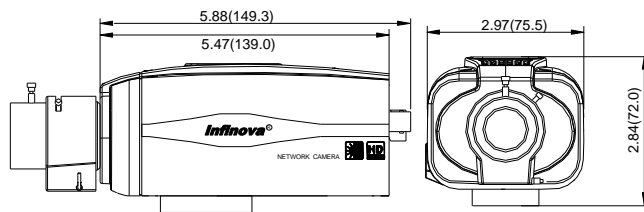
Ordering information

VS210-P5-A0	H265 HD IP Box Camera, Smart Face Capture, low light, WDR, ABF, 6MP, 1/1.8 inch CMOS sensor, Day/night, H.265/H.264/MJPEG, PoE/12VDC/24VAC
VS210-P5-A0(P)	H265 HD IP Box Camera, Smart Face Capture, low light, WDR, ABF, P-iris, 6MP, 1/1.8 inch CMOS sensor, Day/night, H.265/H.264/MJPEG, PoE/12VDC/24VAC

Accessories

V1551-7	7" camera bracket
V1551-10	10" camera bracket
V1182-1140-C8R	1/1.8", 11-40mm, F1.4, DC auto iris, CS mount, 8MP, IR
V1182-3617-C8R	1/1.8", 3.6-17mm, F1.5, DC auto iris, CS mount, 8MP, IR
V1182-3617-C6R	1/1.8", 3.6-17mm, F1.5, DC auto iris, CS mount, 6MP, IR
V1186-1140-C8R	1/1.8", 11-40mm, F1.4, P-iris, CS mount, 8MP, IR

Dimensions



(Unit: inch, in the parentheses is mm)