

# VS210-Q6 Series HD 8.0MP Starlight WDR IP Box Camera

**Infinova**<sup>®</sup>  
The Integrator's Manufacturer



- 1/1.8 " progressive scan CMOS sensor
- IR-Cut Removable (ICR) Filter for Day/Night switching
- Sensitivity: 0.0001 lux
- High-resolution image signal output: 3840 x 2160@30fps
- Supports frame integration WDR, with dynamic range up to 120dB
- Built-in ICS motorized zoom lens, supporting quick focusing
- H.265/H.264/M-JPEG video encoding, four streams
- Supports vivid intelligent detection functions:
  - 7 types of abnormal video 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 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 platform for secondary research and retrieval.
- 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 least as 80 pixels.
- Able to detect 32 faces 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 image.
- 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

Infinova VS210-Q6 Series Starlight Intelligent WDR IP box camera features 1/1.8" progressive scan CMOS sensor and built-in ICS motorized Vari-focus lens. With H.265/H.264/M-JPEG compression format utilized, this camera outputs D videos with the resolution of 3840x2160@30fps and four streams, which can provide excellent definition and color restoration, obtain more accurate image details and safeguard the precision of intelligent analysis.

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.

VS210-Q6 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

Iris	i-CS auto control, manual optional			
Focal Length	Motorized lens, 3.9~10mm/9~50mm optional			
Image Sensor	1/1.8 " progressive scan CMOS			
FOV	H	V	D	
	F1.5, 3.9-10mm	44°-123°	26°-65°	49°-126°
	F1.5, 9-50mm	9°-47°	5°-26°	10°-53°
Day/Night Switching	ICR			
Lens Mount	CS motorized zoom lens			
Video Compression	H.265/H.264/M-JPEG			
Max. Coding Capacity	H.264/H.265-30fps@3840×2160 + H.264/H.265-30fps@1920×1080 + M-JPEG-30fps@3840×2160+30fps@720×480			
Bit Rate	Variable bit rate: Constant bit rate: 256Kbps~10000Kbps			
Video Stream	Quad-stream independently output			
Video Rotation	90°, 180°, 270°clockwise rotation			
ROI	Up to 8 areas			
Network Delay	<300ms			
Audio Compression	G.711-A/G.711-U/G.726/AAC			
Audio rate	8KHz (for G.711-A, G.711-U, G.726), 16KHz 32 KHz, 44.1KHz, 48 KHz optional (for ACC)			
Audio Port	1 linear input, linear level, resistance: 1000 Ohm 1 linear output, linear level, resistance: 600 Ohm			
Focus	Auto/manual, focusing via one button			
SNR	>62dB			
Shutter	Auto/Manual (adjustment range 1/1s-1/32000s)			
Exposure	Scene, Manual, Shutter			
Sensitivity	Color mode: 0.001 Lux @ F1.5(AGC ON) B/W mode: 0.0001Lux @ F1.5(AGC ON)			
White Balance	Auto/Manual/Outdoor			
WDR	Supports frame integration WDR, with dynamic range up to 132dB			
Video Adjustment	Brightness, contrast, saturation, chroma, sharpness			
Noise Reduction	3D			
Defog	Available			
EIS	Available			
Image Mirror	Horizontal/Vertical mirror			
Corridor Mode	Available			
AGC	Auto/manual, up to 64X			
BLC	Available			
HLC	Available			
Privacy Mask	Up to 4 masks			
Smart Video Analysis	<b>Abnormal video detection:</b> camera tampering, scene change, defocus, low brightness, high brightness, video loss, and color cast			

Smart Video Analysis	<b>Behavior-analysis detection:</b> motion detection, wire crossing detection, intrusion detection, loitering detection, object unattended detection, object lost detection, abnormal sound detection, crowd detection, fast moving detection, and fighting detection <b>Statistics detection:</b> people counting, density detection, queue length detection, and customer attention detection <b>Feature detection:</b> face detection, vehicle detection, and people detection
Internal Storage	Micro SD/SDHC/SDXC card (up to 256GB)
Local PC Recording	Available
Alarm	2 alarm inputs, 1 on-off output
Input	I/O input, intelligent detection, SD card removal, SD picture full, SD record full, network disconnection, heartbeat loss
Association	I/O output, emails, FTP picture uploading, audio, TF card recording, alarm information push, SD card snapshot, and SD card recording
Operating System	Windows XP, Win7, Win8
Browser	IE7,IE8, IE9, IE10,IE11
Access Protocol	ONVIF Profile S & Profile G, Infinova CGI
Web Server	Available
Remote Upgrade	Available
Password Protection	Available
RS485 Port	Available
Analog Video Output	Available, BNC connector
Network Port	One 10M/100M self-adaptive Ethernet port, RJ-45
IP Address Filter	Available
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
Power Supply	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±30%)
Power	≤6.5W
Protection Design	2KV surge, 6KV static, 8KV air discharge
Operating Temperature	-22°F ~ 140°F (-30°C ~ 60°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°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. (0.7Kg)

## Ordering information

VS210-Q6-A0 HD Megapixel Box Camera, Starlight, WDR, Intelligent, I-CS smart motorized zoom lens mount, 8.0M, 1/1.8" CMOS, Day/Night, H.265/H.264/MJPEG, PoE/12VDC/24VAC

### Lenses

V1183-0410-BAR-i 1/1.8 inch CMOS sensor, 3.9-10mm, F1.5, I<sup>2</sup>C auto control iris, CS mount, ambient temperature > -30°

V1183-0950-BAR-i 1/1.8 inch CMOS sensor, 9-50mm, F1.5, I<sup>2</sup>C auto control iris, CS mount, ambient temperature > -30°

### Housings

V1405-10S-3 10", indoor/outdoor, mini-size, with sun shield

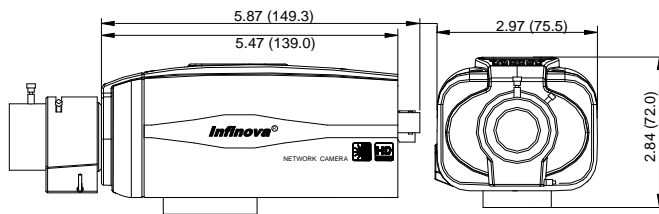
V1405-10SHB-3 10", indoor/outdoor, mini-size, with sun shield, blower & heater, 24VAC

### Brackets

V1571-W Wall-mount bracket, with weight capacity up to 15kg

V1573 Indoor/out bracket, with weight capacity up to 20kg

## Dimensions



(Unit: inch, in the parentheses is mm)