VS210-T6-I0 SERIES

HD 8MP INTELLIGENT STARLIGHT WDR IR IP BOX CAMERA

Infinova®

Smart | 8MP | H.265 | H.264 | M-JPEG | SVC | Day & Night

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

FEATURES

- 1/1.7" progressive scan CMOS
- IR-Cut Removable (ICR) Filter for true Day/Night
- Sensitivity: 0.0001 lux
- High-resolution image signal output: 3840×2160@25fps Support multi-frame integrated WDR, with a range up to 120Db Built in with motorized zoom lens for quick focus
- H.265/H.264/M-JPEG/SVC encoding formats, available with four video streams
- Support vivid smart functions such as video anomaly detection, behaviour-analysis detection, statistics detection, feature detection
- Support face image optimum selection and duplicate removal; images can be selected by face angles and image resolutions, thus to reduce invalid face uploading, which may occupy the server resources; small face images and big scene images are optional to be uploaded to platforms for secondary analysis and retrieval
- Able to detect human face when tilting up or down ±20°, turning right or left ±40°, or leaning right or left 30°
- Able to detect faces with minimum pupil distance of 60 pixels
- Able to detect 32 face images simultaneously in a single scene
- The face detection function can effectively cover various entrances and exits, which reduces the deployment cost
- Support intelligent face exposure
- Support face detection area configuration, large scene monitoring and face capture

- Micro SD card
- Bi-directional audio, G.711-A/G.711-U/G.726/AAC
- 2 alarm inputs, 1 on-off output
- Up to 8 ROI (Region of Interest) areas
- Support simultaneous access and parameter settings via Web Server from multiple clients
- Onvif Profile S/G/T/M compliant
- Support wide voltage design

DESCRIPTION

Infinova VS210-T6-P0 Series HD 8MP Intelligent Starlight WDR IP Box Camera applies 1/1.7-inch CMOS sensor.

With H.265/H.264/M-JPEG/SVC video compression formats and 4-stream output, the camera can output high-quality images with resolution up to 3840×2160@25fps, which can not only provide marvelous definition, color restoration and accurate details, but also effectively ensure the intelligent analysis accuracy.

The camera is endowed with vivid smart functions and supports face detection, face capture, etc. The face detection function can be enabled as alarm event to trigger the capture of scene images and small images, which can be uploaded to Infinova smart platform at the same time for secondary recognition and analysis. The product is applicable for Safe City checkpoint video surveillance requirement.

The camera can be widely used for urban security, road monitoring, subway entrance, entrance of shopping mall/supermarket/large scale exhibition hall, railway station, airport and other high-end applications with large flow of people.

TECHNICAL SPECIFICATIONS

Lens (Visible)

Image Sensor	1/1.7" progressive scan CMOS
Optical Zoom	-
Digital Zoom	-
Focal Length	-
Iris	P-iris, F1.5~2.8; F1.4
Focus	Auto/Manual, one-key focus
FOV(H/V/D)	H:8.8°~36.3°; V:6.6°~26.8°; D:10.9°~46.2°
Lens Mount	CS Mount

Lens (Thermal)

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

Video

Camera Resolution (Visible Lens)	8MP
Camera Resolution (Thermal Lens)	-
Max. Coding Capacity (Visible Lens)	Major stream: H.265 –25fps@3840×2160 Minor stream: H.265 –25fps@1920×1080 Third stream: H.265 –25fps@384×256 Fourth stream: H.265 –25fps@720×576 Major stream: H.264 –25fps@3840×2160 Minor stream: H.264 –25fps@1280×720 Third stream: MJPGE –25fps@1920×1080 Fourth stream: H.264 –25fps@720×576
Max. Coding Capacity (Thermal Lens)	-
Data Rate	VBR/CBR Major stream: 64kbps~16384Kbps Minor stream: 64kbps~16384Kbps Third stream: 64kbps~16384Kbps Fourth stream: 64kbps~16384Kbps
Video Compression	H.265/H.264/M-JPEG/SVC independent coding
Multi-Streaming	Four - stream independent output
Video Rotation	Video can be rotated by 0°, 90°, 180° or 270°

Audio

Audio Compression	G.711-A/ G.711-U/ G.726/ AAC
Sample Rate	8KHz (for G.711-A/G.711-U/G.726), 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	Scene/Manual/Shutter
Sensitivity	Color mode: 0.001lux@ F1.4(AGC ON); B/W mode: 0.0001lux@ F1.4 (AGC ON)
White Balance	Auto/Manual/Outdoor
Video Adjustment	Brightness, contrast, saturation, hue, sharpness
Noise Reduction	3D
S/N Ratio	≥62dB
Defog	Available
EIS	Available
Mirror	Horizontal/Vertical
Corridor Mode	Available
Day/Night Switching	ICR
AGC	Auto/Manual, up to 64X
BLC	Available
HLC	Available
Privacy Mask	Up to 4 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	-
Wave Length	-
Night Vision Distance	-

TECHNICAL SPECIFICATIONS

Temperature Measurement

Screening	-
Function	-
Measurement	-
Measurement Distance	-
Measurement Range	-
Accuracy	-

Smart Analytics

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 and facial expression (angry, disgusted, fearful, happy, sad, surprised or neutral)

Storage

Storage Slots	Support single card
Built-in Storage	up to 512GB
NAS Storage	-
Local PC Recording	Available

Alarm

Alarm Ports	2 alarm inputs, 1 on-off output
Alarm Input	I/O input, smart events, SD card removal, SD card full of videos, SD card full of images, network disconnection, and heartbeat loss
Alarm Association	I/O output, email, image upload via FTP, audio, alarm info push, SD card snapshot, SD card recording

System Functions

Operating System	Win 7 and higher versions
Browser	IE8 and higher versions
Access Protocol	ONVIF Profile S/G/T/M, CGI 2.7
Multiple Access	Up to 20-ch simultaneous access
Web Server	Available
Remote Upgrade	Available
Password Protection	Available
RS485 Port	Available
Analog Video Output	-
Maximum Number of Users	64, with 3 types of users available: administrator, normal user, and operator

Wiper	-

Network

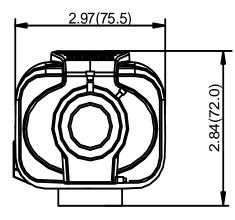|	
Network Interface	1 RJ45 10M/ 100M self-adaptive Ethernet port
Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP (V1, V2, V3), FTP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, Multicast, SIP
IP Address Filtering	Available
Network Delay	<300ms

Environmental

Anti-Static	Air discharge: 8KV; contact discharge: 6KV
Surge Protection	Difference mode: ±1KV, common mode: ±2KV
Operating Temperature	5°F~140°F (-15°C~+60°C)
Storage Temperature	-4°F~140°F (-20°C~+60°C)
Operating Humidity	≤ 95% RH
Environmental Rating	-
Impact Resistance	-

Mechanical

Manual Speed	-
Preset Speed	-
Rotation Angle	-
Preset Accuracy	-
Electric Motor	-

Electrical

Power Supply	PoE (IEEE 802.3af Class 2) /12VDC /24VAC
Power Consumption	<6.5W

Physical

Product Dimension (L×W×H) or (H x D)	5.47"×2.97×2.84" (139mm×75.5mm×72mm)
Package Dimension (L x W x H)	8.07"×4.92×3.94" (205mm×125mm×100mm)
Unit Weight	1.21lbs. (0.55Kg)
Shipping Weight	1.54lbs. (0.70Kg)

Certifications

Product Certifications	CE, FCC, RoHS, UL

ORDERING INFORMATION

VS210-T6-I0	HD Megapixel Intelligent Starlight WDR IP Box Camera, 8.0MP, 1/1.7" CMOS, P-Iris, Day/night, H.265/H.264/M-JPEG/SVC, Motorized/Non-Motorized zoom lens mount, Smart, PoE/12VDC/24VAC
Accessories	
Lens	
V1182-0550-C8RC-P	Lens, 8MP, 1/1.7", f=5-50mm, F/1.4, CS Mount, P iris
V1182-1150-C8RF1-P	Lens, 8MP, 1/1.7", f=11-50mm, F/1.4, CS Mount, P Iris
V1182-3617-C8R-P	Lens, 8MP, 1/1.8", f=3.6-17mm, F1.5 ~ 2.8, CS Mount, P Iris
Housing	
V1405-10	Camera housing, indoor/outdoor, 10 inch internal
V1405-10S	Camera housing, indoor/outdoor, 10 inch internal, w/ sun shield
V1405-10SHB	Camera housing, indoor/outdoor, 10 inch internal, w/ sun shield, heater & blower, 24VAC
V1405-11SHB	Camera housing, indoor/outdoor, 11 inch internal, w/ sun shield, heater & blower, 24VAC
V1406-11SHB	Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 24VAC
V1406-11SHB + V1406W	Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 24VAC + Wiper for V1406 camera housing, 24VAC
V1405-11SHB-IR-1	IR Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 15°, 120m, 24VAC
V1405-11SHB-IR-2	IR Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 30°, 100m, 24VAC
V1405-11SHB-IR-3	IR Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 45°, 70m, 24VAC
V1405-11SHB-IR-4	IR Camera housing, indoor/outdoor, 11 inch internal, pneumatic supporting lid, w/ sun shield, heater & blower, 60°, 50m, 24VAC
Housing Bracket	
V1571-W	Wall Mount, H/V adjustable for housing (V1405), 33.07 lbs (15 kg) load
V1572-W	Wall Mount, Non - Adjustable for housing (V1405, V1406, V1407), 121.25 lbs. (55 kg) load
V1573	Wall Mount, H/V adjustability for housing (V1405, V1406, V1407), 44.09 lbs (20 kg) load
V1573-2	Wall Mount, H/V adjustability for housing (V1405, V1406, V1407), 44.09 lbs (20 kg) load
V1573-A	Wall Mount, H/V adjustability for housing (V1405-11SHB-IR), 88.19 lbs. (40 kg) load, Cable Management
Power Supply	
N3921-12D-1	AC to DC Power Supply, Plug-In, 230VAC, Output 12VDC, 1.5A
N3921-24A-2	AC to AC Power Supply, Plug-In, 230VAC, Output 24VAC, 1A
N3922-30P-2	Smart POE Injector, 100VAC-240VAC input, 30W output

DIMENSIONS

5.47(139.0)

2.97(75.5)

2.84(72.0)

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NETWORK CAMERA

(Unit: inch, in the parentheses is mm)