VT210-A2-B0 SERIES

H265 HD 2MP SMART STARLIGHT WDR IP BOX CAMERA

Infinova®

2.0 2.0 Mega Pixels	1/2.8" CMOS CMOS	H.265 M–JPEG	H.264 M–JPEG	Three Video Streams	Day & Night	ONVIF
http:// Web Server	PoE	UL UL				

FEATURES

- 1/2.8" progressive scan CMOS sensor
- IR-Cut Removable (ICR) Filter for Day/Night switching
- Star-grade sensitivity: 0.0002 lux
- Supports frame integration WDR, with dynamic range up to 132dB
- High-resolution image signal output: 1920×1080@30fps
- Auto Back Focus (ABF)
- Smart functions for perimeter protection (wire cross and regional intrusion detection) and feature protection (scene change, defocus, low brightness, high brightness detection)
- Three Simultaneous Video Streams: Dual H.265 & M-JPEG or Dual H.264 & Scalable M-JPEG
- Supports SD card
- Supports alarm recording and event recording (including network disconnection)
- Supports alarm snapshot, and event snapshot
- Bi-directional audio, G.711a/G.711u/AAC
- 2 alarm inputs, 1 on-off output
- Supports multiple ways to trigger an alarm such as I/O input, motion detection, intelligent analysis, SD card removal, network disconnection, and heartbeat loss; supports flexible alarm association settings, including I/O output, emails, FTP uploading, audio, and SD card recording
- Up to four definable privacy mask areas
- Up to eight ROI (Region of Interest) areas

- Supports simultaneous access and parameter setting via Web Server from multiple clients
- ONVIF Profile S/G & Profile T compliant
- Wide voltage design

DESCRIPTION

Infinova's VT210-A2-B0 series H265 HD 2MP smart starlight WDR IP box camera, utilizing H.265/H.264/M-JPEG compression format, allows image output resolution up to 1920×1080@30fps. The camera 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.

The camera supports multiple smart functions, such as wire cross detection, regional intrusion detection, and video anomaly detection (including scene change, defocus, low brightness, and high brightness), which can be applied in various high-end applications.

VT210-A2-B0 series camera is designed for safe city, rail transit and municipal construction. Particularly, it is widely used in city public security, highway, metro, station, exhibition hall, etc.

TECHNICAL SPECIFICATIONS

Lens (Visible)	
Image Sensor	1/2.8" progressive scan CMOS
Optical Zoom	-
Digital Zoom	-
Focal Length	-
Iris	DC drive
Focus	ABF − Available
FOV(H/V/D)	H:74.3°~22.6°; V:102.6°~29.9°; D:137.8°~37.2°
Lens Mount	C/CS
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: MJPEG -5fps@1920x1080
Max. Coding Capacity (Thermal Lens)	-
Data Rate	VBR/CBR- Major stream: H.264-64kbps~4096Kbps; H.265-64kbps~2048Kbps
Video Compression	H.265/H.264/M-JPEG
Multi-Streaming	Three-stream independent output
Video Rotation	Video can be rotated by 90°, 180°
Audio	
Audio Compression	G.711a/G.711u/AAC
Sample Rate	8KHz, 16KHz, 32KHz, 44KHz, 48KHz optional
Audio Interface	1 input (Linear level, Resistance: 1000 Ohm), 1 output (Linear level, Resistance: 600 Ohm)
Two-way Audio	Available
Mic & Speaker	-
Image	
Shutter	Auto/Manual (1/1s~1/32000s)
WDR	Up to 132dB

Exposure	Auto/Manual
Sensitivity	Color mode: 0.002 lux @F1.2; B/W mode: 0.0002 lux @ F1.2
White Balance	Auto/Manual/Outdoor
Video Adjustment	Brightness, contrast, saturation, hue and sharpness adjustable
Noise Reduction	3D
S/N Ratio	≥62dB
Defog	Available
EIS	Available
Mirror	Horizontal/Vertical
Corridor Mode	Available
Day/Night Switching	ICR
AGC	Auto/Manual
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	-
Temperature Measurement	
Screening	-
Function	-
Measurement	-
Measurement Distance	-
Measurement Range	-
Accuracy	-
Smart Analytics	
Video Analytics	Motion Detection - Available Smart Video Analytics - Detections of wire cross, regional invasion, scene change, defocus, low brightness, and high brightness

TECHNICAL SPECIFICATIONS

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, motion detection, intelligent analysis, SD card removal, network disconnection, heartbeat loss
Alarm Association	I/O output, email, FTP uploading, audio, SD card recording, alarm info push

System Functions	
Operating System	Win 7 and higher versions
Browser	IE8 and higher versions
Access Protocol	ONVIF2.4, CGI
Multiple Access	Up to 5-ch simultaneous access
Web Server	Available
Remote Upgrade	Available
Password Protection	Available
RS485 Port	Supported
Analog Video Output	Supported
Maximum Number of Users	10
Wiper	-

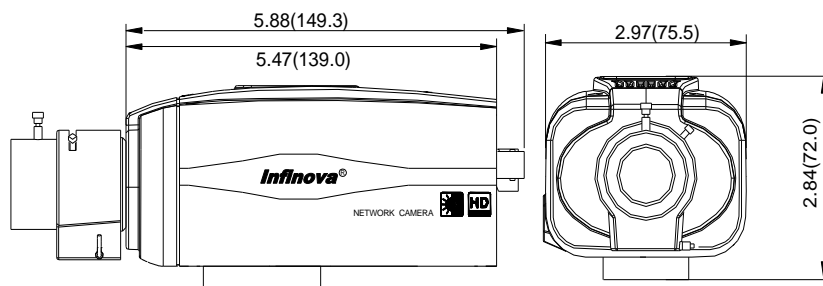| Network	
Network Interface	1 RJ45 10M/ 100M self-adaptive Ethernet port
Network Protocols	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, SFTP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP

IP Address Filtering	Available
Network Delay	<200ms

Environmental	
Anti-Static	Air discharge: 8KV, contact protection: 6KV
Surge Protection	Difference mode: ±1KV, common mode: ±2KV
Operating Temperature	-22°F ~ 140°F (-30°C ~ 60°C)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°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) (Excluding BNC)
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)

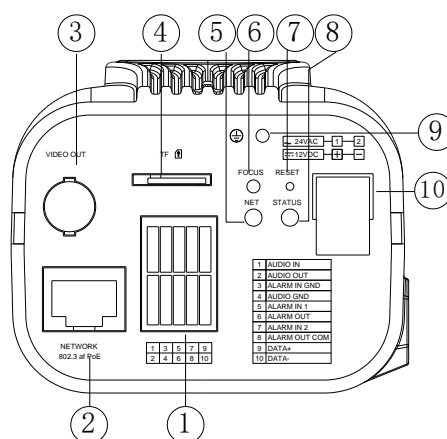| Certifications	
Product Certifications	CE, FCC, RoHS, UL

ORDERING INFORMATION

VT210-A2-B0	HD Megapixel Starlight WDR IP Box Camera, 2MP, 1/2.8" CMOS, Day/night, H.265/H.264/M-JPEG, Video Analytics, auto back focus, PoE/12VDC/24VAC
Accessories	
Lens	
V1182-0550-B3RY	Lens, 2MP, 1/2.7", f=5-50mm, F/1.4, CS Mount, DC auto iris
V1182-2812-B3RY	Lens, 2MP, 1/2.7", f=2.8-12mm, F/1.6, CS Mount, DC auto iris
V1182-2812-B5R	Lens, 5MP, 1/2.7", f=2.8-12mm, F/1.6, CS Mount, DC auto 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

(Unit: inch, in the parentheses is mm)

(1) Audio Input /Output, Alarm Input /Output, RS-485 Terminal

(2) Network Port (used for PoE power supply)

(3) Analog Video Output

(4) SD Card Slot

(5) Network LED Indicator

(6) Back Focus Adjusting

(7) Reset

(8) Status LED Indicator

(9) Arrester Ground Terminal

(10) Power Input Terminal