VT210-A2-D0 Series
H265 HD 2MP Smart Starlight WDR IP Box Camera

Infinova®

- 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@60fps
- 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 / NAS storage
- Supports alarm recording and event recording (including network disconnection)
- Supports alarm snapshot, and event snapshot
- 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 I/O input, motion detection, intelligent analysis, SD card out, network link down, 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
- Compatible or able to integrate with digital video surveillance software, and other video surveillance software
- ONVIF Profile Q, S, G & T compliant
- Standard SDK is provided for easy integration with other video surveillance software
- Wide voltage design, with surge protection.

Infinova's VT210-A2-D0 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@60fps. 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-D0 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

Image Sensor	1/2.8" progressive scan CMOS			
Lens Mount	C/CS			
		H	V	D
FOV f=2.8-12mm		26°-87°	14°-49°	29°-100°
f=5-50mm		10°-45°	6°-24°	11°-51°
ABF	Available			
Auto Iris	DC drive			
Day/Night Functionality	ICR			
Sensitivity	Color mode: 0.002 lux @F1.2; B/W mode: 0.0002 lux @ F1.2			
Exposure	Auto/Manual			
Shutter	Auto/Manual (1/1s~1/32000s scalable)			
DSS	Available			
AGC	Auto/Manual			
White Balance	Auto/Manual/Outdoor			
WDR	Supports frame integration WDR, with dynamic range up to 132dB			
Video Adjustment	Brightness, contrast, saturation, hue and sharpness adjustable			
Noise Reduction	3D			
Anti-fog	Available			
EIS	Available			
Corridor Mode	Available			
BLC	Available			
HLC	Available			
Image Mirror	Horizontal/Vertical mirror			
Video Compression	H.265/H.264 switchable M-JPEG independent			
Coding Capacity	1080p@60fps+720p@30fps+M-JPEG 1080p@5fps /M-JPEG 1080P@15fps + 1080P@1fps			
Video Bit Rate	256 Kbps – 10 Mbps			
Audio Compression	G.711-A/G.711-U/AAC			
Audio Code Rate	8KHz for G.711-A/G.711-U; 16KHz, 32KHz, 44KHz, 48KHz for AAC			
Audio Port	1 input (Linear level, Resistance: 1kΩ), 1 output (Linear level, Resistance: 600Ω)			
Web Server	Available			
Upgrade Online	Available			
Password Protection	Available			
Smart Video Analytics	Wire cross detection, regional invasion detection, scene change detection, defocus detection, low brightness detection, high brightness detection, video loss detection, color cast detection and video tampering alarm			

Built-in Storage	Supports a Micro SD/SDHC/SDXC card (128G)
Mirror Storage	Videos in the SD card can be uploaded to the VMS or NVR after network is reconnected
Privacy Mask	Up to 4 masks
ROI	Up to 8 regions
Access Protocols	ONVIF Q, S, G & T, CGI
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, IEEE 802.1X
Alarm	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
RS485 Port	1-ch RS485 port
Analog Video Output	1-ch BNC connector
Operating System	Windows XP, Windows Vista, Win7, Win8
Browser	IE7, IE8, IE9, IE10, IE11
Power Supply	12VDC(±15%)/24VAC (±25%)/PoE(802.3AF)
Power Consumption	<6.5W
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)	5.47"×2.97×2.84" (139mm×75.5mm×72mm) (excluding 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.: [1]CTL1508212422-E; [2]CTL1508212422-F; [3]E232008-A52

Ordering information

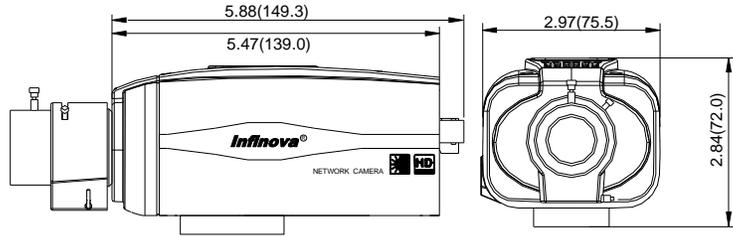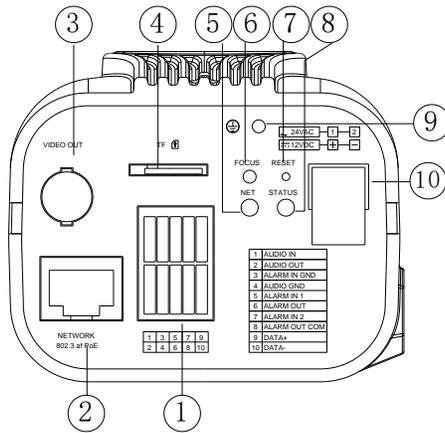|	
VT210-A2-D0	H265 HD 2MP Smart Starlight WDR IP Box Camera, 2MPx, 1/2.8 inch CMOS sensor, Day/night, H.265/H.264/MJPEG, PoE/12VDC/24VAC

Accessories

V1551-7	7" camera bracket
V1551-10	10" camera bracket

Dimensions

5.88(149.3)

5.47(139.0)

2.97(75.5)

2.84(72.0)

Infinova®

NETWORK CAMERA

(Unit: inch, in the parentheses is mm)

Back panel

VIDEO OUT

TF

FOCUS   RESET

NET   STATUS

NETWORK
802.3 af PoE

| 1 | 3 | 5 | 7 | 9 |
| 2 | 4 | 6 | 8 | 10 |

24VAC   1   2
12VDC

1	AUDIO IN
2	AUDIO OUT
3	ALARM IN GND
4	AUDIO GND
5	ALARM IN 1
6	ALARM OUT
7	ALARM IN 2
8	ALARM OUT COM
9	DATA+
10	DATA-

(1) Audio Input /Output, Alarm Input /Output, RS-485 Terminal
(2) Network Port (used for PoE power supply)
(3) Analog Video Output
(4) TF Card Slot
(5) Network LED Indicator
(6) Back Focus Adjusting
(7) Reset
(8) Status LED Indicator
(9) Arrester Ground Terminal
(10) Power Input Terminal