

VT211-A20B-A0

HD 2.0MP Starlight WDR Intelligent IR IP Box Camera

Infinova[®]
The Integrator's Manufacturer



- 1/1.9" progressive scan CMOS sensor
- IR-Cut Removable (ICR) Filter for Day/Night switching
- Built-in dot matrix IR illuminators up to 50 meters night vision distance
- Uses Smart-IR technology; auto-adjusts IR lamp power according to ambient illumination
- Supports multi-frame integration WDR, with dynamic range up to 120dB
- Built-in motorized zoom lens, supporting assistant focusing
- H.265+M-JPEG or H.264+M-JPEG video encoding, three streams
- High-resolution image signal output: 1920×1080p@30fps
- Smart functions, such as perimeter protection (wire cross and regional invasion detection) and feature protection (scene change, defocus, color cast, low brightness and high brightness detection)
- Bi-directional audio, G.711U/G.711-A/AAC
- Local PC Recording
- Supports built-in storage/NAS
- Supports alarm recording and event recording (including network disconnection)
- Supports alarm snapshot and event snapshot
- Supports multiple alarm trigger methods such as I/O input, motion detection, smart analysis, SD card removal, 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
- Up to 4 definable motion detection areas
- Up to 4 definable privacy mask areas
- Supports corridor mode
- Supports 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
- IP67 environmental rating
- With analog video output

VT211-A20B-A0 Starlight WDR Intelligent IR IP box camera features 1/1.9" progressive scan CMOS sensor and built-in 2.0 megapixel 2.8-12mm motorized Vari-focus lens. The camera has an internal dot matrix LED IR lamp of 50m IR distance. The IR lamp output power can be adjusted automatically according to the brightness of the scene so that the IR lamp is not working at full capacity. The power consumption of the complete machine is greatly lowered and the service life is lengthened.

With H.265/H.264/M-JPEG compression format utilized, this camera can output HD full-frame videos with the resolution of 1080p@30fps, outputting excellent definition, color reproduction and more detailed and accurate information.

The camera supports intelligent detection functions, such as cross line, region intrusion, scene change, defocus, color cast, low brightness, and high brightness. The secure, professional, and reliable smart analysis can meet requirements of many high-end applications. Compact structure makes it easy to install.

VT211-A20B-A0 is widely used in normal buildings, supermarkets, hotels, shops, parks, schools, factories, warehouses, underground parking lots and other high-resolution surveillance applications.

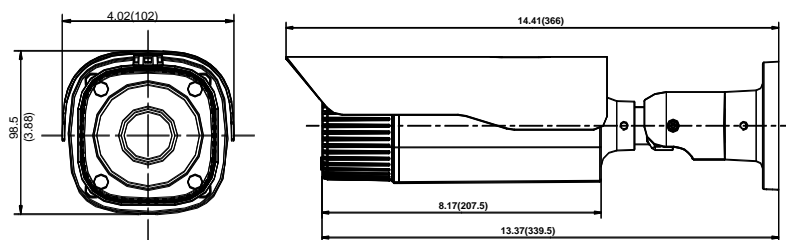
Technical specifications

Image Sensor	1/1.9" progressive scan CMOS	Mirroring Storage	Supports uploading of recordings saved on TF card during network disconnection to the VMS or NVR after network recovery
Lens Configuration	Motorized vari-focus lens, F1.5, f=2.8-12mm	Local PC Recording	Available
Lens Mount	Φ14		
FOV	H: 45-104, V: 27-57, D: 51-124		
IR Lamp Wave Length	850nm	Smart Functions	wire cross detection, regional intrusion, scene change, defocus, low brightness, high brightness, video loss detection, cost casting detection, video tampering
Night Vision Distance	50m		
Day/Night Switching	ICR	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
Sensitivity	Color mode:0.001@F1.4, AGC ON B/W mode:0.0001@F1.4, AGC ON 0 lux (IR ON)	IP Address Filter	Available
Exposure	Scene, Manual, Shutter	Operating System	Supports Windows XP, Win7, Win8, Win10 operating system
Shutter	Auto/Manual (adjustment range 1/1s~1/32000s)	Browser	IE7, IE8, IE9, IE10, IE11
AGC	Auto/Manual adjustable, max. 64X	Access Protocol	ONVIF2.4, CGI
White Balance	Auto/Manual/Outdoor	Remote Network Upgrade	Available
WDR	Supports multi-frame integration mode wide dynamic range up to 120dB	Password Protection	Available
Video Adjustment	Brightness, contrast, saturation, chroma, sharpness	Network Port	One RJ45 10/100M self-adaptive Ethernet port
Noise Reduction	3D	Analog Video Output	Available, BNC port
Defog	Available	Power Supply	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)
Electronic Anti-shake	Available	Power	<13W
Corridor Mode	Available	Protection Design	Lighting protection (network port and power supply connector): protection differential mode 2KV, common mode 2KV surge; Anti-static (all ports): contact protection 6KV static, 8KV air discharge
Image Mirror	Horizontal/Vertical mirror	Operating Temperature	-40°F ~ 140°F (-40°C ~ 60°C)
Video Compression	H.265/H.264 switchable M-JPEG independent	Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Max. Encoding Capacity	1080P@30fps+720P@30fps+M-JPEG1080P@5fps	Operating Humidity	0%~95% RH (non-condensing)
Output Code Rate	Variable; Constant: major stream: 256Kbps~1000Kbps; minor stream: 256Kbps~2000Kbps	Unit Dimensions (H×W×L)	3.88"×4.02"×14.41" (98.5mm×102mm×366mm)
Network Delay	≤200ms	Box Dimensions	5.35"×6.73"×16.37" (136mm×171mm×416mm)
Audio	Compression: G.711a, G.711u, AAC Sampling rate: 8KHz for G.711-A, G.711-U 16KHz, 32 KHz, 44 KHz, 48 KHz optional for AAC Port: 1 linear input, 1 linear output	Unit Weight	3.75lbs. (1.70kg)
Alarm	2 alarm inputs, 1 on-off output	Shipping Weight	4.63lbs. (2.10kg)
Input	I/O input, network disconnecting, motion detection,, smart alarm, SD card out, heartbeat loss	Certifications and Approval	
Linkage	I/O output, email, FTP picture uploading, audio, TF card recording, SD card local screenshots	Product Certifications	CE/EMC: EN 55032, EN 55024, EN 61000-3-2, EN 61000-3-3 ¹ ; FCC: Part 15 Subpart B Class A ² ; ISO 9001:2008; UL ³
Motion Detection	Supports up to 4 motion detecting areas		
Privacy Mask	Up to 4 masks		
ROI	Up to 8 regions		
Internal Storage	Supports double storage card, compatible with Micro SD/SDHC/SDXC card (128G)		

Ordering information

VT211-A20B-A0 HD Megapixel IR IP box camera, Day/night, 1/1.9 inch CMOS sensor, H.265/ H.264 /M-JPEG, 2.0Mpx, PoE/12VDC/24VAC, 2.8-12mm motorized Vari-focus lens

Dimension



(Unit: inch, in the parentheses is mm)