

VT211-A20B-B0 H265 HD 2MP Smart Starlight WDR IR IP Box Camera

Infinova[®]
The Integrator's Manufacturer



- 1/2.8 " 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 132dB
- Built-in motorized vari-focus 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-B0 H265 HD 2MP Smart Starlight WDR IR IP Box Camera features 1/2.8" 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 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-B0 is widely used in normal buildings, supermarkets, hotels, shops, parks, schools, factories, warehouses, underground parking lots and other high-resolution surveillance applications.

Technical specifications

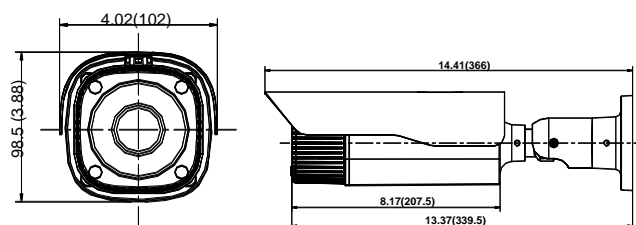
Image Sensor	1/2.8 " progressive scan CMOS
Lens Configuration	Motorized vari-focus lens, F1.4, f=2.8-12mm
Lens Mount	Φ14
FOV	H: 34-84, V: 19-46, D: 40-98
IR Lamp Wave Length	850nm
Night Vision Distance	50m
Day/Night Switching	ICR
Sensitivity	Color mode: 0.002Lux@F1.4, AGC ON B/W mode: 0.0002Lux@F1.4, AGC ON 0 lux (IR ON)
Exposure	Scene, Manual, Shutter
Shutter	Auto/Manual (adjustment range 1/1s~1/32000s)
AGC	Auto/Manual adjustable, max. 64X
White Balance	Auto/Manual/Outdoor
WDR	Supports multi-frame integration mode wide dynamic range up to 132dB
Video Adjustment	Brightness, contrast, saturation, chroma, sharpness
Noise Reduction	3D
Defog	Available
Corridor Mode	Available
Image Mirror	Horizontal/Vertical mirror
Video Compression	H.265/H.264 switchable M-JPEG independent
Max. Encoding Capacity	1080P@30fps+720P@30fps+M-JPEG1080P@5fps
Output Code Rate	Variable; Constant: major stream: 256Kbps~1000Kbps; minor stream: 256Kbps~2000Kbps
Network Delay	≤200ms
Audio	Compression: G.711a, G.711u, AAC Sampling rate: 8KHz for G.711-A, G.711-U 16KHz, 32 KHz, 44 KHz, 48KHz optional for AAC Port: 1 linear input, 1 linear output
Alarm	2 alarm inputs, 1 on-off output
Input	I/O input, network disconnecting, motion detection, smart analysis, SD card out, heartbeat loss
Linkage	I/O output, email, FTP picture uploading, audio, TF card recording, SD card local screenshots
Motion Detection	Supports up to 4 motion detecting areas
Privacy Mask	Up to 4 masks
ROI	Up to 8 regions

Internal Storage	Supports dual memory card, compatible with a Micro SD/SDHC/SDXC card (128G)
Local PC Recording	Available
Smart Functions	Detections of wire cross, regional intrusion, scene change, defocus, low brightness, high brightness, video loss, cost casting, and camera tampering
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
IP Address Filter	Available
Operating System	Supports Windows XP, Win7, Win8, Win10 operating system
Browser	IE7, IE8, IE9, IE10, IE11
Access Protocol	ONVIF2.4, CGI
Remote Network Upgrade	Available
Password Protection	Available
Network Port	One RJ45 10/100M self-adaptive Ethernet port
Analog Video Output	Available, BNC port
Power Supply	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)
Power	<13W
Protection Design	Lighting protection (network port and power supply port): protection differential mode 2KV, common mode 2KV surge; Anti-static (all ports): contact protection 6KV static, 8KV air discharge
Vandal Protection	IK10 Rated
Operating Temperature	-40°F ~ 140°F (-40°C ~ 60°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Operating Humidity	0%~90% RH (non-condensing)
Unit Dimensions (H×W×L)	3.88"×4.02"×14.41" (98.5mm×102mm×366mm)
Box Dimensions	5.35"×6.73"×16.37" (136mm×171mm×416mm)
Unit Weight	3.75lbs. (1.70kg)
Shipping Weight	4.63lbs. (2.10kg)
Certifications and Approval	
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
Certificate No.: ¹ CTL1703238083-EC; ² CTL1703238083-FC; ³ E232008	

Ordering information

VT211-A20B-B0 H265 HD 2MP Smart Starlight WDR IR IP Box Camera, Day/night, 1/2.8 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)