

# VT211-A20B-S0 H265 HD 2MP Smart Starlight WDR IR IP Box Camera

**Infinova**<sup>®</sup>  
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@60fps
- Smart functions, such as perimeter protection (wire crossing detection, intrusion detection) and feature protection (scene change, defocus, low brightness, high brightness, video loss, image color reproduction, camera tampering detection)
- Bi-directional audio, G.711-U/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-S0 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@60fps, 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-S0 is widely used in normal buildings, supermarkets, hotels, shops, parks, schools, factories, warehouses, underground parking lots and other high-resolution surveillance applications.

## Technical specifications

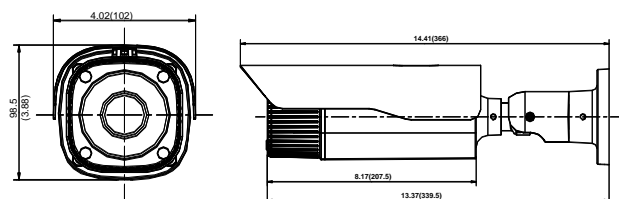
Image Sensor	1/2.8" progressive scan CMOS
Lens Configuration	Motorized vari-focus lens, F1.4, f=2.8-12mm
Lens Mount	Ø14
FOV	H: 34-84, V: 19-46, D: 40-98
IR Lamp Wave Length	850nm
Night Vision Distance	50m
Day/Night Switching	ICR
Sensitivity	Color mode: 0.002Lux@F1.4, AGC ON B/W mode: 0.0002Lux@F1.4, 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@60fps+720P@30fps+M-JPEG1080P@5fps/ M-JPEG 1080P@15fps + 1080P@1fps Variable;
Output Code Rate	Constant: major stream: 256Kbps~10000Kbps; minor stream: 256Kbps~2000Kbps
Network Delay	≤200ms
Audio	Compression: G.711-A, G.711-U, 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 Input	2 alarm inputs, 1 on-off output
Linkage	I/O input, motion detection, smart analysis, SD card out, network disconnecting, heartbeat loss 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)

Mirroring Storage	Supports uploading of recordings saved on TF card during network disconnection to the VMS or NVR after network recovery
Local PC Recording	Available
Smart Functions	wire cross detection, regional intrusion, scene change, defocus, low brightness, high brightness, video loss detection, cost casting detection, video 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 connector
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
Operating Temperature	-40°F ~ 140°F (-40°C ~ 60°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Operating Humidity	0%~95% 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)

## Ordering information

VT211-A20B-S0 HD 2MP 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)