

VT211-A20B-B0 Series

HD 2.0MP Starlight WDR Intelligent IR IP Fixed Camera

Infinova[®]
The Integrator's Manufacturer



- **1/2.8" progressive scan CMOS sensor**
- **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 composite pattern wide dynamic and the maximum dynamic range is 132dB**
- **Built-in motorized zoom lens, supporting assistant focusing**
- **IR-Cut Removable (ICR) Filter for Day/Night switching**
- **Three Simultaneous Video Streams: Dual H.264 / H.265 & Scalable M-JPEG**
- **High-resolution image signal output: 1080p@30fps**
- **Smart Functions such as Video anomaly detection, Wire cross and Regional intrusion detection**
- **Bi-directional audio, G.711a/G.711u/AAC**
- **Support corridor mode**
- **Local PC recording**
- **Supports TF card storage/NAS storage**
- **Support alarm recording and event recording (including broken network)**
- **Supports alarm snapshot and event snapshot**
- **Supports multiple alarm trigger methods such as IO input, broken network, motion detecting, video tampering, smart detecting, etc.; supports flexible alarm connected settings like I/O output, emails, FTP picture uploading, audio, TF card recording and alarm information push**
- **Up to eight ROI (Region of Interest) areas**
- **Supports motion detection, 4 areas configurable**
- **Supports privacy mask, 4 privacy areas configurable**
- **Supports simultaneous access and parameter setting via Web Server from multiple clients**
- **Standard SDK is provided for easy integration with other systems**

- **ONVIF Profile S and G compliant**
- **PoE/12VDC/24VAC power supply**
- **IK10 Vandal Resistant**
- **IP67 environmental rating**
- **With analog video output**

VT211-A20B-B0 Series is a Starlight WDR Intelligent IR IP fixed camera featuring 1/2.8" progressive scan CMOS sensor and built-in 2.0 megapixel 2.8-12mm Motorized Vari-focus lens. With H.265/H.264/M-JPEG compression format utilized, this camera can output HD full-frame videos with the resolution of 1080p@30fps. The built-in dot matrix IR illuminators allow a maximum of 50 meters night vision distance.

The camera supports the function of strengthening ROI encoding, so as to improve the image quality of key areas under low-band network environment.

The camera supports three simultaneous video streams. It also provides motion detection, privacy mask, video mask alarm, image snapshot, local recording, noise deduction, backlight compensation and WDR functions. Alarm can be associated with email sending and FTP upload.

Compact structure makes it easy to install.

VT211-A2-B0 series are 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" CMOS
Lens Configuration	F1.4, f=2.8-12mm Motorized Vari-focus; FOV=30°-80°
Lens Mount	Φ14
IR Lamp Wave Length	850nm
Night Vision Distance	50m
Day/Night Switching	ICR
Sensitivity	Color mode: 0.002 lux@F1.4 (AGC ON); B/W mode: 0.0002 lux@F1.4 (AGC ON); 0 lux (IR ON)
S/N Ratio	50dB
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
Audio	Compression: G.711a, G.711u, AAC Sampling rate: 8KHz, 16KHz, 32KHz, 44KHz, 48KHz optional Port: 1 linear input, 1 linear output
Smart Functions	Video anomaly detection, Wire cross, regional intrusion detection
Alarm	2 alarm inputs, 1 on-off output
Input	I/O input, broken network, motion detection, smart alarm, video tampering, storage card out, heartbeat loss

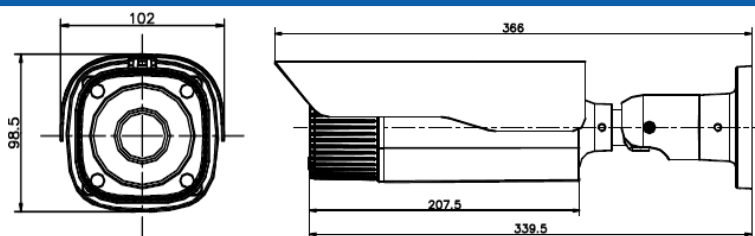
Linkage	I/O output, email, snapshot, FTP upload, audio, TF card recording, SD card local screenshots
Max. no. of user Accounts	5
Network Delay	≤200ms
Motion Detection	Supports up to 4 motion detecting areas
Privacy Mask	Up to 4 masks
ROI	Up to 8 regions
Internal Storage	Supports a Micro SD/SDHC/SDXC card (128G) Supports uploading of recordings saved on TF card during network disconnection to the VMS or NVR after network recovery
Mirroring Storage	
Local PC Recording	Available
Remote Network Upgrade	Available
Security	Password protection, IEEE 802.1 X, IP Address Filtering, User Access Log
Network Port	One RJ45 10/100M self-adaptive Ethernet port
Analog Video Output	Available, BNC connector
Network Protocols	IPv4, IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TLS, SSL, 802.1X, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP, DES, Multicast
Browser	IE7, IE8, IE9, IE10, IE11
Access Protocol	ONVIF 2.4 Profile S, CGI 2.7
Power Supply	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)
Power	<13W
Protection Design	Lighting protection (network port and power supply connector): protection difference 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%~90% RH (non-condensing)
Unit Dimensions (H×W×L)	3.88"×4.02"×14.41" (98.5mm×102mm×366mm)
Unit Weight	3.75lbs. (1.70Kg)
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, IP67, UL ³

Certificate No: ¹CTL1703238083-EC; ²CTL1703238083-FC; ³E232008

Ordering information

VT211-A20B-B0 HD Megapixel IR IP fixed camera, Day/night, 1/2.8-inch CMOS sensor, H.265/ H.264 /M-JPEG, 2.0Mpx, 12VDC/24VAC/PoE (802.3af), 2.8-12mm Motorized Vari-focus lens

Dimensions



(Unit: mm)