

VT211-A50B-A0

HD 5.0MP Intelligent IR IP Box Camera

Infinova[®]
The Integrator's Manufacturer



- 1/1.8" 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 digital WDR
- 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: 30fps@2592×1944 /60fps@1920×1080
- Smart functions, such as video anomaly detection, wire cross detection, and regional intrusion detection
- Bi-directional audio, G.711U/G.711-A/AAC
- Local 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, network disconnection, motion detection, video tampering, smart detecting, 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
- 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-A50B-A0 5.0MP Intelligent IR IP box camera features 1/1.8" progressive scan CMOS sensor and built-in megapixel 2.8-12mm motorized Vari-focus lens. With H.265/H.264/M-JPEG compression format utilized, this camera can output HD videos with the resolution of 30fps@2592×1944 /60fps@1920×1080. 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 digital WDR functions. Alarm can be associated with email sending and FTP upload.

Compact structure makes it easy to install.

VT211-A50B-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	1/1.8 " 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: 0.01Lux@F1.4, AGC ON B/W mode: 0.001Lux@F1.4, AGC ON 0 lux (IR ON)
Exposure	Scene, Manual, Shutter
Shutter	Auto/Manual (1/1s~1/32000s scalable)
AGC	Auto/Manual adjustable, max. 64X
White Balance	Auto/Manual/Outdoor
WDR	100dB
Video Adjustment	Brightness, contrast, saturation, chroma, sharpness
Noise Reduction	3D
Defog	Available
Image Stability	Available
Corridor Mode	Available
Image Mirror	Horizontal/Vertical mirror
Video Compression	H.265/H.264 switchable M-JPEG independent
Max. Encoding Capacity	H.264/H.265 : 30fps@2592×1944 /60fps@1920×1080+30fps@D1+MJPEG_5fps@D1
Output Code Rate	Variable; Constant: major stream: 256Kbps~10000Kbps; minor stream: 256Kbps~2000Kbps
Network Delay	≤214ms
Audio	Compression: G.711a, G.711u, AAC Sampling rate: 8KHz for G.711a and G.711u 16KH, 32 KHz, 44 KHz, 48KHz for AAC. Port: 1 linear input, 1 linear output
Alarm Input	2 alarm inputs, 1 on-off output
Linkage	I/O input, network disconnecting, motion detection, video tampering, smart alarm, storage card out, heartbeat loss
Motion Detection	I/O output, email, FTP picture uploading, audio, TF card recording, SD card local screenshots
Privacy Mask	Supports up to 4 motion detecting areas
ROI	Up to 4 masks
	Up to 8 regions

Internal Storage	Supports double storage card, compatible to Micro SD/SDHC/SDXC card (128G)
Local PC Recording	Available
Smart Functions	Video anomaly detection, wire cross detection, and intrusion detection
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 profile S, CGI 2.7
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 connector): 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)
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; UL ³

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

Ordering information

VT211-A50B-A0 HD Megapixel IR IP box camera, Day/night, 1/1.8 inch CMOS sensor, H.265/ H.264 /M-JPEG, 5.0Mpx, PoE/12VDC/24VAC, 2.8-12mm motorized Vari-focus lens

Dimension

