


***Infinova***<sup>®</sup>





New Launch - 2019



## Box & Bullet Cameras

Product Name	HD 2MP WDR IR Smart IP Bullet Camera
	2MP, Starlight, WDR
Model	VH211-A2
Product Picture	
Image Sensor	1/2.8" CMOS sensor
Video Compression (with multi-streaming)	H.265/H.264 switchable M-JPEG independent
Maximum Resolution	1080P@30fps+720P@30fps+M-JPEG1080P@5fps
Sensitivity	Color mode: 0.002 lux@F1.4 (AGC ON); B/W mode: 0.0002 lux@F1.4 (AGC ON); 0 lux (IR ON)
Day/Night Functionality	ICR
IR Illumination Distance	30M
Dynamic Range	132dB
Electronic Shutter	Auto/Manual (1/1s~1/32000s)
Audio	Compression: G.711-A, G.711-U, AAC Sampling rate: 8KHz (for G.711-A, G.711-U) 16KHz, 32KHz, 44.1KHz, 48KHz optional (for AAC) Port: 1 linear input, 1 linear output
Alarm	2 alarm inputs, 1 on-off output
Focal Length	Motorized zoom lens, F1.4, f=2.8-12mm
Privacy Mask	Up to 4 masks
Motion Detection	Available
Password Protection	Available
Upgrade Online	Available
White Balance	Auto/Manual/Outdoor
Smart Video Analytics	Detections of wire cross, regional invasion, scene change, defocus, low brightness, high brightness, video loss, color cast, camera tampering
Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP,RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS,PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
Power Supply	PoE (IEEE 802.3af)/12VDC (-15%~+25%) /24VAC (-15%~+25%)
Power Consumption	<13W
Environmental	-40°F ~ 140°F (-40°C ~ 60°C)
Others	ONVIF Profile S & ONVIF Profile G compliant



HD 2MP WDR IR Smart IR IP Bullet Camera

	4MP, Starlight, WDR, IR	4MP, Starlight, WDR, IR
	VH211-A4	VH211-B4
		
	1/3" CMOS sensor	1/3" CMOS
	H.265/H.264 switchable M-JPEG independent	H.265/H.264 switchable M-JPEG independent
	2592x1520@20fps+720P@30fps+ M-JPEG1080P@5fps	2592x1520@20fps+720x480@30fps+M-JPEG1080P@5fps
	Color mode: 0.01 lux@F1.4 (30IRE, AGC ON); B/W mode: 0 lux (IR ON)	Color mode: 0.07Lux@F1.6 (30IRE, AGC ON) B/W mode: 0.04Lux @F1.6 (30IRE, AGC ON) 0 lux (IR ON)
	ICR	ICR
	50M	30M
	120dB	120dB
	Auto/Manual (1/1s~1/32000s)	Auto/Manual (1/1s~1/32000s)
	Compression: G.711-A, G.711-U, AAC Sampling rate: 8KHz, 16KHz, 32KHz, 44.1KHz, 48KHz optional Port: 1 linear input, 1 linear output	Compression: G.711a, G.711u,AAC Sampling rate: 8KHz, 16KHz, 32KHz, 44.1KHz, 48KHz optional Port: 1 linear input, 1 linear output
	2 alarm inputs, 1 on-off output	2 alarm inputs, 1 on-off output
	Motorized zoom lens, F1.4, f=2.8-12mm, f=7~22mm	F1.6, f= 8mm, 12mm F1.8, f=2.8mm, 3.6mm, 6mm
	Up to 4 masks	Up to 4 masks
	Available	Available
	Available	Available
	Available	Available
	Auto/Manual/Outdoor	Auto/Manual/Outdoor
	Perimeter protection (wire cross and invasion detection) and features detection (scene change, defocus, color cast, low brightness and high brightness ), motion detection, video tampering	
	IPv4, IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, 802.1X, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP	IPv4, IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, 802.1X, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
	PoE (IEEE 802.3af)/12VDC/24VAC	PoE (IEEE 802.3af)/12VDC/24VAC
	<13W	<8W
	-40°F ~ 140°F (-40°C ~ 60°C)	-40°F ~ 140°F (-40°C ~ 60°C)
	ONVIF Profile S compliant	ONVIF Profile S ONVIF Profile G compliant



## Box & Bullet Cameras

Product Name	H265 2MP Smart Starlight WDR IP Box Camera	
	2MP, Starlight, WDR	2MP, Starlight, WDR
Model	VT210-A2-A0	VT210-A2-B0
Product Picture		
Image Sensor	1/1.9" progressive scan CMOS	1/2.8" progressive scan CMOS
Video Compression (with multi-streaming)	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
Maximum Resolution	1920x1080@30fps	1920x1080@30fps
Sensitivity	Color mode: 0.001 lux @ F1.2; B/W mode: 0.0001 lux @ F1.2	Color mode: 0.002 lux @ F1.2; B/W mode: 0.0002 lux @ F1.2
Day/Night Functionality	ICR	ICR
IR Illumination Distance	-	-
Dynamic Range	120dB	132dB
Electronic Shutter	Auto/Manual (1/1s~1/32000s)	Auto/Manual (1/1s~1/32000s)
Audio	Compression: G.711a/G.711u/AAC Sampling rate: 8KHz (for G.711a/G.711) 16KHz, 32KHz, 44KHz, 48KHz (for AAC)	Compression: G.711a/G.711u/AAC Sampling rate: 8KHz (for G.711a/G.711) 16KHz, 32KHz, 44KHz, 48KHz (for AAC)
Alarm	2 alarm inputs, 1 on-off output	2 alarm inputs, 1 on-off output
Focal Length	-	-
Privacy Mask	Up to 4 masks	Up to 4 masks
Motion Detection	-	-
Password Protection	Available	Available
Upgrade Online	Available	Available
White Balance	Auto/Manual/Outdoor	Auto/Manual/Outdoor
Smart Video Analytics	Detections of wire cross, regional invasion, scene change, defocus, low brightness, and high brightness	Detections of wire cross, regional invasion, scene change, defocus, low brightness, and high brightness
Network Protocols	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
Power Supply	12VDC±15%/24VAC (±25%)/PoE(802.3AF)	12VDC±15%/24VAC (±25%)/PoE(802.3AF)
Power Consumption	<6.5W	<6.5W
Environmental	-22°F ~ 140°F (-30°C ~ 60°C) (with/heater)	-22°F ~ 140°F (-30°C ~ 60°C)
Others	Onvif Profile S, Onvif Profile G	Onvif Profile S, Onvif Profile G

H265 2MP Smart Starlight WDR IP Box Camera

	2MP, Starlight, WDR	2MP, Starlight, WDR
	VT210-A2-S0	VT210-A2-T0
		
	1/2.8" progressive scan CMOS	1/1.9" progressive scan CMOS
	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
	1920x1080@60fps	1920x1080@60fps
	Color mode: 0.002 lux @ F1.2; B/W mode: 0.0002 lux @ F1.2	Color mode: 0.001 lux @ F1.2; B/W mode: 0.0001 lux @ F1.2
	ICR	ICR
	-	-
	132dB	120dB
	Auto/Manual (1/1s~1/32000s)	Auto/Manual (1/1s~1/32000s)
	Compression: G.711a/G.711u/AAC Sampling rate: 8KHz (for G.711a/G.711) 16KHz, 24KHz, 44KHz, 48KHz (for AAC)	Compression: G.711a/G.711u/AAC Sampling rate: 8KHz (for G.711a/G.711) 16KHz, 24KHz, 44KHz, 48KHz (for AAC)
	2 alarm inputs, 1 on-off output	2 alarm inputs, 1 on-off output
	-	-
	Up to 4 masks	Up to 4 masks
	-	-
	Available	Available
	Available	Available
	Auto/Manual/Outdoor	Auto/Manual/Outdoor
	Detections of wire cross, regional invasion, scene change, defocus, low brightness, high brightness, video loss, color cast and camera tampering	Detections of wire cross, regional invasion, scene change, defocus, low brightness, high brightness, video loss, color cast and camera tampering
	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
	12VDC(±15%)/24VAC (±25%)/PoE(802.3AF)	12VDC(±15%)/24VAC (±25%)/PoE(802.3AF)
	<6.5W	<6.5W
	-22°F ~ 140°F (-30°C ~ 60°C)	-22°F ~ 140°F (-30°C ~ 60°C)
	Onvif Profile S, Onvif Profile G	Onvif Profile S, Onvif Profile G

## Box & Bullet Cameras

Product Name	HD 2MP Starlight WDR IR IP Bullet Camera	
	2MP, Day/Night	2MP, Day/Night
Model	VT211-A20B-A0	VT211-A20B-B0
Product Picture		
Image Sensor	1/1.9" progressive scan CMOS	1/2.8" progressive scan CMOS
Video Compression (with multi-streaming)	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
Maximum Resolution	1920x1080@30fps	1920x1080@30fps
Sensitivity	Color mode: 0.001 lux @ F1.4, AGC ON B/W mode: 0.0001 lux @ F1.4, AGC ON; 0 lux (IR ON)	Color mode: 0.002 lux @ F1.4, AGC ON B/W mode: 0.0002 lux @ F1.4, AGC ON; 0 lux (IR ON)
Day/Night Functionality	ICR	ICR
IR Illumination Distance	50M	50M
Dynamic Range	Supports multi-frame integration mode wide dynamic range up to 120dB	Supports multi-frame integration mode wide dynamic range up to 132dB
Electronic Shutter	Auto/Manual (adjustment range 1/1s~1/32000s)	Auto/Manual (adjustment range 1/1s~1/32000s)
Audio	Compression: G.711a/G.711u/AAC Sampling rate: 8KHz (for G.711a/G.711) 16KHz, 24KHz, 44KHz, 48KHz (for AAC)	Compression: G.711a/G.711u/AAC Sampling rate: 8KHz (for G.711a/G.711) 16KHz, 24KHz, 44KHz, 48KHz (for AAC)
Alarm	2 alarm inputs, 1 on-off output	2 alarm inputs, 1 on-off output
Focal Length	Motorized vari-focus lens, F1.5, f=2.8-12mm	Motorized vari-focus lens, F1.4, f=2.8-12mm
Privacy Mask	Up to 4 masks	Up to 4 masks
Motion Detection	Up to 4 areas	Up to 4 areas
Password Protection	Available	Available
Upgrade Online	Available	Available
White Balance	Auto/Manual/Outdoor	Auto/Manual/Outdoor
Smart Video Analytics	Detections of wire cross, regional intrusion, scene change, defocus, low brightness, high brightness, video loss, cost casting, and camera tampering	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, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
Power Supply	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)
Power Consumption	<13W	<13W
Environmental	-4°F ~ 140°F (-20°C ~ 60°C), IP67	-4°F ~ 140°F (-20°C ~ 60°C), IP67
Others	Onvif Profile S, Onvif Profile G	Onvif Profile S, Onvif Profile G

	H265 HD 2MP IR IP Bullet Camera	HD 5MP IP Box Camera
	2MP, Starlight, WDR	5MP, Day/Night
	VT211-A20B-S0	VT210-A5-A0
		
	1/2.8" progressive scan CMOS	1/1.8" progressive scan CMOS
	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
	1920×1080p@60fps	2592×1944@30fps, 1920×1080@60fps
	Color mode: 0.002 lux @ F1.4, AGC ON B/W mode: 0.0002 lux @ F1.4, AGC ON; 0 lux (IR ON)	Color mode: 0.01 lux @ F1.2, AGC ON B/W mode: 0.001 lux @ F1.2, AGC ON
	ICR	ICR
	50M	-
	132dB	-
	Auto/Manual (adjustment range 1/1s~1/32000s)	Auto/Manual (1/1s~1/32000s)
	Compression: G.711a/G.711u/AAC Sampling rate: 8KHz (for G.711a/G.711) 16KHz, 32KHz, 44KHz, 48KHz (for AAC)	Compression: G.711a/G.711u/AAC Sampling rate: 8KHz (for G.711a/G.711) 16KHz, 32KHz, 44KHz, 48KHz (for AAC)
	2 alarm inputs, 1 on-off output	2 alarm inputs, 1 on-off output
	Motorized vari-focus lens, F1.4, f=2.8-12mm	-
	Up to 4 masks	Up to 4 masks
	Up to 4 areas	-
	Available	Available
	Available	Available
	Auto/Manual/Outdoor	Auto/Manual/Outdoor
	Detections of wire cross, regional intrusion, scene change, defocus, low brightness, high brightness, video loss, cost casting, and camera tampering	Detections of wire cross, regional invasion, scene change, defocus, low brightness, and high brightness
	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TLS, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)	12VDC±15%/24VAC (±30%)/PoE(802.3AF)
	<13W	<7.5W
	-4°F ~ 140°F (-20°C ~ 60°C), IP67	-22°F ~ 140°F (-30°C ~ 60°C)
	Onvif Profile S, Onvif Profile G	Onvif Profile S, Onvif Profile G

## Box & Bullet Cameras


Product Name	HD 5MP IR IP Bullet Camera
	5MP, Day/Night
Model	VT211-A50B-A0
Product Picture	
Image Sensor	1/1.8" progressive scan CMOS
Video Compression (with multi-streaming)	H.265/H.264/M-JPEG
Maximum Resolution	30fps@2592x1944; 60fps@1920x1080
Sensitivity	Color mode: 0.01 lux @ F1.4, AGC ON; B/W mode: 0.001 lux @ F1.4, AGC ON; 0 lux (IR ON)
Day/Night Functionality	ICR
IR Illumination Distance	50M
Dynamic Range	100dB
Electronic Shutter	Auto/Manual (adjustment range 1/1s~1/32000s)
Audio	Compression: G.711a/G.711u/AAC; Sampling rate: 8KHz (for G.711a/G.711); 16KHz, 24KHz, 44KHz, 48KHz (for AAC)
Alarm	2 alarm inputs, 1 on-off output
Focal Length	Motorized vari-focus lens, F1.4, f= 2.8-12mm
Privacy Mask	Up to 4 masks
Motion Detection	Up to 4 areas
Password Protection	Available
Upgrade Online	Available
White Balance	Auto/Manual/Outdoor
Smart Video Analytics	Video anomaly detection, wire cross detection, and intrusion detection
Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
Power Supply	PoE (IEEE 802.3af) / 12VDC (±20%) / 24VAC (±25%)
Power Consumption	<13W
Environmental	-4°F ~ 140°F (-20°C ~ 60°C), IP67
Others	Onvif Profile S, Onvif Profile G




### HD Face Capture IP Camera

HD Face Capture IP Camera	
2MP, Starlight, WDR	6MP, Low Light, WDR
VS210-P2-A0	VS210-P5-A0
	
1/1.9" Sony progressive scan CMOS	1/1.8" progressive scan CMOS
H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
1920×1080@60fps	3088×2072@30fps
Color mode: 0.001 lux @ F1.2; B/W mode: 0.0001 lux @ F1.2	Color mode: 0.01 lux @ F1.2; B/W mode: 0.001 lux @ F1.2
ICR	ICR
-	-
120dB	120dB
Auto/Manual (1/1s~1/32000s)	Auto/Manual (1/1s~1/32000s)
Compression: G.711a/G.711u/G.726/AAC; Sampling rate: 8KHz(for G.711a/G.711/G.726); 16KHz, 32KHz, 44KHz, 48KHz(for AAC)	Compression: G.711a/G.711u/G.726/AAC; Sampling rate: 8KHz(for G.711a/G.711/G.726); 16KHz, 32KHz, 44KHz, 48KHz(for AAC)
2 alarm inputs, 1 on-off output	2 alarm inputs, 1 on-off output
Motorized vari-focus lens, f= 3.9-10mm/9-50mm	Motorized vari-focus lens, f= 3.6-17mm/11-40mm
Up to 4 masks	Up to 4 masks
Available	Available
Available	Available
Available	Available
Auto/Manual/Outdoor	Auto/Manual/Outdoor
<p>Anomaly detections: camera tampering, scene change, defocus, low brightness, high brightness, video loss, and color cast.            Behavior-analysis detections: motion detection, wire crossing detection, intrusion detection, loitering detection, object abandoned detection, object lost detection, abnormal sound detection, crowd detection, fast moving detection, and fighting detection.            Statistics detections: people counting, density detection, queue length detection, and dwelling detection.            Feature detections: face detection, vehicle detection, and humanoid detection.            Supports face detection, face tracking and face capture on the basis of deep learning.            Able to select an optimized face image and delete the duplicate.            The image of the scene and faces can be uploaded to the platform for secondary analysis and research.            Supports image intelligent exposure.</p>	
IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP UPnP	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
12VDC (±20%) / 24VAC (±30%) / PoE (802.3AF)	12VDC (±20%) / 24VAC (±30%) / PoE (802.3AF)
≤6.5W	≤6.5W
-22°F ~ 140°F (-30°C ~ 60°C)	-22°F ~ 140°F (-30°C ~ 60°C)
Onvif Profile S, Onvif Profile G	Onvif Profile S, Onvif Profile G


## Box & Bullet Cameras

Product Name	HD Face Capture IP Camera
	2MP, Starlight, WDR
Model	VS210-Q2-C0
Product Picture	
Image Sensor	1/2" progressive scan CMOS
Video Compression (with multi-streaming)	H.265/H.264/M-JPEG
Maximum Resolution	1920x1080@60fps
Sensitivity	Color mode: 0.0003 lux @ F1.2 (AGC ON); B/W mode: 0.0001 lux @ F1.2 (AGC ON)
Day/Night Functionality	ICR
IR Illumination Distance	-
Dynamic Range	132dB
Electronic Shutter	Auto/Manual (1/1s~1/32000s)
Audio	Compression: G.711a/G.711u/G.726/AAC; Sampling rate: 8KHz(for G.711a/G.711/G.726); 16KHz, 32KHz, 44KHz, 48KHz(for AAC)
Alarm	2 alarm inputs, 1 on-off output
Focal Length	Motorized vari-focus lens, f= 3.9-10mm/9-50mm
Privacy Mask	Up to 4 masks
Motion Detection	Available
Password Protection	Available
Upgrade Online	Available
White Balance	Auto/Manual/Outdoor
Smart Video Analytics	<p>Anomaly detections: camera tampering, scene change, defocus, low brightness, high brightness, video loss, and color cast.</p> <p>Behavior-analysis detections: motion detection, wire crossing detection, intrusion detection, loitering detection, object abandoned detection, object lost detection, abnormal sound detection, crowd detection, fast moving detection, and fighting detection.</p> <p>Statistics detections: people counting, density detection, queue length detection, and dwelling detection.</p> <p>Feature detections: face detection, vehicle detection, and humanoid detection.</p> <p>Supports face detection, face tracking and face capture on the basis of deep learning.</p> <p>Able to select an optimized face image and delete the duplicate.</p> <p>The image of the scene and faces can be uploaded to the platform for secondary analysis and research.</p> <p>Supports image intelligent exposure.</p>
Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
Power Supply	12VDC(±20%)/24VAC (±30%)/PoE(802.3AF)
Power Consumption	≤6.5W
Environmental	-22°F ~ 140°F (-30°C ~ 60°C)
Others	Onvif Profile S, Onvif Profile G



	HD Face Capture IP Camera
	8MP, Starlight, WDR
	VS210-Q6-A0
	
	1/1.8" progressive scan CMOS
	H.265/H.264/M-JPEG
	3840x2160@30fps
	Color mode: 0.001 lux @ F1.5 (AGC ON); B/W mode: 0.0001 lux @ F1.5 (AGC ON)
	ICR
	-
	120dB
	Auto/Manual (1/1s~1/32000s)
	Compression: G.711a/G.711u/G.726/AAC; Sampling rate: 8KHz(for G.711a/G.711/G.726); 16KHz, 32KHz, 44KHz, 48KHz(for AAC)
	2 alarm inputs, 1 on-off output
	Motorized vari-focus lens, f= 3.9-10mm/9-50mm
	Up to 4 masks
	Available
	Available
	Available
	Auto/Manual/Outdoor
	Anomaly detections: camera tampering, scene change, defocus, low brightness, high brightness, video loss, and color cast. Behavior-analysis detections: motion detection, wire crossing detection, intrusion detection, loitering detection, object abandoned detection, object lost detection, abnormal sound detection, crowd detection, fast moving detection, and fighting detection. Statistics detections: people counting, density detection, queue length detection, and dwelling detection. Feature detections: face detection, vehicle detection, and humanoid detection. Supports face detection, face tracking and face capture on the basis of deep learning. Able to select an optimized face image and delete the duplicate. The image of the scene and faces can be uploaded to the platform for secondary analysis and research. Supports image intelligent exposure.
	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±30%)
	≤6.5W
	-22°F ~ 140°F (-30°C ~ 60°C)
	Onvif Profile S, Onvif Profile G



## Box & Bullet Cameras

Product Name	HD Face Capture IP Camera
	8MP, Starlight, WDR
Model	VS210-T6-A0
Product Picture	
Image Sensor	1/1.8" progressive scan CMOS
Video Compression (with multi-streaming)	H.265/H.264/M-JPEG
Maximum Resolution	3840x2160@30fps
Sensitivity	Color mode: 0.001 lux @ F1.5 (AGC ON); B/W mode: 0.0001 lux @ F1.5 (AGC ON)
Day/Night Functionality	ICR
IR Illumination Distance	-
Dynamic Range	120dB
Electronic Shutter	Auto/Manual (1/1s~1/32000s)
Audio	Compression: G.711a/G.711u/G.726/AAC; Sampling rate: 8KHz(for G.711a/G.711/G.726); 16KHz, 32KHz, 44KHz, 48KHz(for AAC)
Alarm	2 alarm inputs, 1 on-off output
Focal Length	Motorized lens, f= 3.6-17mm
Privacy Mask	Up to 4 masks
Motion Detection	Available
Password Protection	Available
Upgrade Online	Available
White Balance	Auto/Manual/Outdoor
Smart Video Analytics	<p>Anomaly detections: camera tampering, scene change, defocus, low brightness, high brightness, video loss, and color cast.</p> <p>Behavior-analysis detections: motion detection, wire crossing detection, intrusion detection, loitering detection, object abandoned detection, object lost detection, abnormal sound detection, crowd detection, fast moving detection, and fighting detection.</p> <p>Statistics detections: people counting, density detection, queue length detection, and dwelling detection.</p> <p>Feature detections: face detection, vehicle detection, and humanoid detection.</p> <p>Supports face detection, face tracking and face capture on the basis of deep learning.</p> <p>Able to select an optimized face image and delete the duplicate.</p> <p>The image of the scene and faces can be uploaded to the platform for secondary analysis and research.</p> <p>Supports image intelligent exposure .</p>
Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP,SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
Power Supply	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±30%)
Power Consumption	≤6.5W
Environmental	-22°F ~ 140°F (-30°C ~ 60°C)
Others	Onvif Profile S, Onvif Profile G



HD Intelligent IR IP Bullet Camera	
8MP, Starlight, IR	
VS211-A6-A0	
	
1/1.8" progressive scan CMOS	
H.265/H.264/M-JPEG	
3840x2160@30fps	
Color mode: 0.001 lux @ F1.5 (AGC ON); B/W mode: 0.0001 lux @ F1.5 (AGC ON); 0 lux (IR ON)	
ICR	
50m	
120dB	
Auto/Manual (1/1s~1/32000s)	
Compression: G.711a/G.711u/G.726/AAC; Sampling rate: 8KHz(for G.711a/G.711/G.726); 16KHz, 32KHz, 44KHz, 48KHz(for AAC)	
2 alarm inputs, 1 on-off output	
Motorized vari-focus lens, F1.5, f=2.8-12mm	
Up to 4 masks	
Available	
Available	
Available	
Auto/Manual/Outdoor	
Anomaly detections: camera tampering, scene change, defocus, low brightness, high brightness, video loss, and color cast. Behavior-analysis detections: motion detection, wire crossing detection, intrusion detection, loitering detection, object abandoned detection, object lost detection, abnormal sound detection, crowd detection, fast moving detection, and fighting detection. Statistics detections: people counting, density detection, queue length detection, and dwelling detection. Feature detections: face detection, vehicle detection, and humanoid detection. Supports face detection, face tracking and face capture on the basis of deep learning. Able to select an optimized face image and delete the duplicate. The image of the scene and faces can be uploaded to the platform for secondary analysis and research. Supports image intelligent exposure.	
IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast	
PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)	
<13W	
-40°F ~ 140°F (-40°C ~ 60°C)	
Onvif Profile S, Onvif Profile G	

## Box & Bullet Cameras



Product Name	Face Capture IP Zoom Camera	Face Capture IP IR Zoom Camera
	2MP, Starlight	2MP, Starlight
Model	VT310-A2	VT311-A2
Product Picture		
Image Sensor	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Video Compression (with multi-streaming)	H.265 /H.264/M-JPEG	H.265 /H.264/M-JPEG
Maximum Resolution	1080P@30fps+720P@30fps+M-JPEG1080P@30fps	1080P@30fps+720P@30fps+M-JPEG1080P@30fps
Sensitivity	Color mode: 0.001lux (AGC ON); B/W mode: 0.0001lux (AGC ON)	Color mode: 0.001lux @ F1.4 (AGC ON); B/W mode: 0.0001lux@ F1.4 (AGC ON); 0 lux (IR ON)
Day/Night Functionality	ICR	ICR
IR Illumination Distance	-	50M
Dynamic Range	120dB	120dB
Electronic Shutter	Auto/Manual (1/1s~1/32000s)	Auto/Manual (1/1s~1/32000s)
Audio	Compression: G.711-U/G.711-A/AAC Audio Sample Rate: 8KHz (for G.711-U/G.711-A), 16KHz, 32KHz, 44.1KHz and 48KHz (for AAC) Audio Interface: 1 input, Linear level; 1 output, Linear level	Compression: G.711-U/G.711-A/AAC Audio Sample Rate: 8KHz (for G.711-U/G.711-A), 16KHz, 32KHz, 44.1KHz and 48KHz (for AAC) Audio Interface: 1 input, Linear level; 1 output, Linear level
Alarm	2 alarm inputs, 1 switch output	2 alarm inputs, 1 switch output
Focal Length	-	F1.4 f=2.8~12mm, f=7~22mm
Privacy Mask	Up to 16 definable areas	Up to 16 definable areas
Motion Detection	Available	Available
Password Protection	Available	Available
Upgrade Online	Available	Available
White Balance	Auto/Manual/Outdoor	Auto/Manual/Outdoor
Smart Video Analytics	Motion detection, camera tampering, camera shifting, defocus detection, high brightness detection, low brightness detection, color cast detection Faces can be detected, tracked and snapshot in the live view; better captured face images are selected and the duplicates deleted; Face images and scene images can be uploaded to the platform for the secondary analysis and retrieval; Face exposure is also supported People gathering detection and density detection counting for heads/faces/figures/vehicles is supported, queue length detection, customer attention detection Cross-line detection, intrusion detection, loitering detection, fast movement detection	
Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
Power Supply	PoE (IEEE 802.3af Class 2)/12VDC(±20%)/24VAC(±20%)	PoE (IEEE 802.3af Class2)/12VDC(±20%)/24VAC(±20%)
Power Consumption	7W	12W
Environmental	-20°C~+60°C	-40°C~+60°C
Others	ONVIF Profile S, Profile G, Profile Q, Infinova CGI	ONVIF Profile S, Profile G, Profile Q, Infinova CGI

	Face Capture IP IR Zoom Camera	Explosion-proof IP Camera
	2MP, Starlight	2MP, Starlight, WDR, IR
	VT311-B2	V1421MN-A222
		
	1/2.8" progressive scan CMOS	1/1.9" Sony progressive scanning CMOS sensor
	H.265 /H.264/M-JPEG	H.265 /H.264/M-JPEG
	1080P@30fps+720P@30fps+M-JPEG1080P@30fps	1080P@30fps+720P@30fps+MJPEG1080P@5fps
	Color mode: 0.001lux @ F1.4 (AGC ON); B/W mode: 0.0001lux@ F1.4 (AGC ON); 0 lux (IR ON)	Color mode: 0.001 lux @ F1.5(AGC ON) B/W mode: 0.0001 lux @ F1.5(AGC ON)
	ICR	ICR
	50M	-
	120dB	120dB
	Auto/Manual (1/1s~1/32000s)	Auto/Manual (adjustment range 1/1s~1/32000s)
	Compression: G.711-U/G.711-A/AAC Audio Sample Rate: 8KHz (for G.711-U/G.711-A), 16KHz, 32KHz, 44.1KHz and 48KHz (for AAC) Audio Interface: 1 input, Linear level; 1 output, Linear level	G.711-A/G7.11-U/AAC
	2 alarm inputs, 1 switch output	2 alarm inputs, 1 switching value output
	F1.6, f= 4mm, 6mm, 8mm, 12mm, 16mm F1.8, f=2.8mm	F1.5-F3.4, f=6.36~138.5mm
	Up to 16 definable areas	Up to 4 masks
	Available	Available
	Available	Available
	Available	Available
	Auto/Manual/Outdoor	-
		I/O input, motion detection, video tampering, smart analysis, SD card removal, network disconnection, heartbeat loss
	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP,SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
	PoE (IEEE 802.3af Class2)/12VDC(±20%)/24VAC(±20%)	24VAC/PoE+(IEEE802.3at type2 Class4, power over pairs 1/2(-)and 3/6(+) or 4/5(+)and 7/8(-)), 110VAC or 240VAC
	12W	<25W
	-40°C~+60°C	-40°F~140°F (-40°C~+60°C)
	ONVIF Profile S, Profile G, Profile Q, Infinova CGI	ONVIF Profile S



## Minidome Cameras

Product Name	HD 4MP Smart WDR IR IP Minidome Camera	HD 4MP Starlight WDR Intelligent IR IP Mini-dome Camera
	2MP, Starlight, WDR, IR	4MP, Starlight, WDR, IR
Model	VH221-A2	VH221-A4
Product Picture		
Image Sensor	1/2.8" CMOS	1/3" CMOS
Video Compression (with multi-streaming)	H.265/H.264 switchable M-JPEG independent	H.265/H.264 switchable M-JPEG independent
Maximum Resolution	1080P@30fps+720P@30fps+M-JPEG1080P@5fps	2592x1520@20fps+720x480@30fps+ M-JPEG1080P @5fps
Sensitivity	Color mode: 0.002 lux@F1.4 (AGC ON); B/W mode: 0.0002 lux@F1.4 (AGC ON); 0 lux (IR ON)	Color mode: 0.01 lux@F1.4 (30IRE, AGC ON); B/W mode: 0 lux (IR ON)
Day/Night Functionality	ICR	ICR
IR Illumination Distance	30m	30m
Lens	Motorized zoom lens, F1.4, f=2.8-12mm	Motorized zoom lens, F1.4, f=2.8-12mm
White Balance	Auto/Manual/Outdoor	Auto/Manual/Outdoor
Electronic Shutter	Auto/Manual (adjustment range 1/1s~1/32000s)	Auto/Manual (adjustment range 1/1s~1/32000s)
Audio	Compression: G.711a, G.711u, ACC Sampling rate: 8KHz, 16KHz, 32KHz, 44.1KHz,48KHz optional Port: 1 linear input, 1 linear output	Compression: G.711a, G.711u, ACC Sampling rate: 8KHz, 16KHz, 32KHz, 44.1KHz,48KHz optional Port: 1 linear input, 1 linear output
Alarm	2 alarm inputs, 1 on-off output	2 alarm inputs, 1 on-off output
Privacy Mask	Up to 4 masks	Up to 4 masks
Motion Detection	Up to 4 areas	Up to 4 areas
Password Protection	Available	Available
Upgrade Online	Available	Available
Smart Video Analytics	Detections of wire cross, regional invasion, scene change, defocus, low brightness, high brightness, video loss, color cast, camera tampering	Detections of wire cross, regional invasion, scene change, defocus, low brightness, high brightness, video loss, color cast, camera tampering
Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3,DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP,RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast	IPv4, IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, 802.1X, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
Power Supply	PoE (IEEE 802.3af)/12VDC (-15%~+25%) /24VAC (-15%~+25%)	PoE (IEEE 802.3af)/12VDC (-15%~+25%) /24VAC (-15%~+25%)
Power Consumption	<9W	<9W
Environmental	-40°F ~ 140°F (-40°C ~ 60°C)	-40°F ~ 140°F (-40°C ~ 60°C)
Others	ONVIF Profile S compliant	ONVIF Profile S compliant





	HD 4MP Starlight WDR Intelligent IR IP Mini-dome Camera	HD 2MP Vandal Resistant Starlight WDR IR IP Minidome Camera
	4MP, Starlight, WDR, IR	2MP, Day/Night, IR
	VH221-B4	VT221-A20B-B0
		
	1/3" CMOS	1/2.8" progressive scan CMOS
	H.265/H.264 switchable M-JPEG independent	H.265/H.264/M-JPEG
	2592x1520@20fps+720x480@30fps+ M-JPEG1080P@5fps	1920x1080@30fps
	Color mode: 0.07Lux@F1.6 (30IRE, AGC ON); B/W mode: 0.04Lux@F1.6 (30IRE, AGC ON); 0 lux (IR ON)	Color mode: 0.002 lux @ F1.4, AGC ON; B/W mode: 0.0002 lux @ F1.4, AGC ON; 0 lux (IR ON)
	ICR	ICR
	30m	30m
	F1.6, f= 8mm, 12mm; F1.8, f=2.8mm, 3.6mm, 6mm,	F1.4, f=2.8-12mm
	Auto/Manual/Outdoor	Auto/Manual/Outdoor
	Auto/Manual (adjustment range 1/1s~1/32000s)	Auto/Manual (adjustment range 1/1s~1/32000s)
	Compression: G.711a, G.711u, ACC Sampling rate: 8KHz, 16KHz, 32KHz, 44.1KHz,48KHz optional Port: 1 linear input, 1 linear output	Compression: G.711a, G.711u, AAC Sampling rate: 8KHz, 16KHz, 32KHz, 44KHz, 48KHz optional Port: 1 linear input, 1 linear output; built-in Mic
	2 alarm inputs, 1 on-off output	2 alarm inputs, 1 on-off output
	Up to 4 masks	Up to 4 masks
	Up to 4 areas	Up to 4 areas
	Available	Available
	Available	Available
	Detections of wire cross, regional invasion, scene change, defocus, low brightness, high brightness, video loss, color cast, camera tampering	Detections of wire crossing, intrusion, scene change, defocus, low brightness, high brightness, video loss, color cast, and camera tampering
	IPv4, IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TLS, SSL, 802.1X, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP,HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS,ARP, UPnP, IP Filter, TLS, DES, Multicast
	PoE (IEEE 802.3af)/12VDC (-15%~+25%) /24VAC (-15%~+25%)	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)
	<8W	<9W
	-40°F ~ 140°F (-40°C ~ 60°C)	-40°F ~ 140°F (-40°C ~ 60°C)
	Onvif Profile S, Onvif Profile G	Onvif Profile S, Onvif Profile G



# Minidome Cameras

Product Name	HD 2MP Vandal Resistant Smart Starlight WDR IR IP Minidome Camera	HD 5MP Vandal IR IP Minidome Camera
	2MP, Day/Night, IR	5MP, Day/Night, IR
Model	VT221-A20B-S0	VT221-A50B-A0
Product Picture		
Image Sensor	1/2.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Video Compression (with multi-streaming)	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
Maximum Resolution	1920x1080@60fps	30fps@2592x1944; 60fps@1920x1080
Sensitivity	Color mode: 0.002 lux @ F1.4, AGC ON; B/W mode: 0.0002 lux @ F1.4, AGC ON; 0 lux (IR ON)	Color mode: 0.01 lux @ F1.5, AGC ON B/W mode: 0.001 lux @ F1.5, AGC ON; 0 lux (IR ON)
Day/Night Functionality	ICR	ICR
IR Illumination Distance	30m	30m
Lens	F1.4, f=2.8-12mm	Motorized vari-focus lens, F1.5, f=2.8-12mm
White Balance	Auto/Manual/Outdoor	Auto/Manual/Outdoor
Electronic Shutter	Auto/Manual (adjustment range 1/1s~1/32000s)	Auto/Manual (adjustment range 1/1s~1/32000s)
Audio	Compression: G.711-A, G.711-U, AAC Sampling rate: 8KHz (for G.711-A/G.711-U) 16KHz, 32KHz, 44.1KHz and 48KHz (for AAC) Port: 1 linear input, 1 linear output; built-in Mic	Compression: G.711a, G.711u, AAC Sampling rate: 8KHz, 16KHz, 32KHz, 44KHz, 48KHz optional Port: 1 linear input, 1 linear output; built-in Mic
Alarm	2 alarm inputs, 1 on-off output	2 alarm inputs, 1 on-off output
Privacy Mask	Up to 4 masks	Up to 4 masks
Motion Detection	Up to 4 areas	Up to 4 areas
Password Protection	Available	Available
Upgrade Online	Available	Available
Smart Video Analytics	Detections of wire crossing, intrusion, scene change, defocus, low brightness, high brightness, video loss, color cast, and camera tampering	Detections of wire crossing, intrusion, scene change, defocus, low brightness, high brightness, video loss, color cast, and camera tampering
Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
Power Supply	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)
Power Consumption	<9W	<9W
Environmental	-40°F ~ 140°F (-40°C ~ 60°C)	-40°F ~ 140°F (-40°C ~ 60°C)
Others	Onvif Profile S, Onvif Profile G	Onvif Profile S, Onvif Profile G



HD 2MP Vandal Starlight WDR IP Minidome Camera

2MP, Day/Night		2MP, Day/Night	
VT220-A20B-A0		VT220-A20B-B0	
			
1/1.9" progressive scan CMOS		1/2.8" progressive scan CMOS	
H.265/H.264/M-JPEG		H.265/H.264/M-JPEG	
1920×1080@30fps		1920×1080@30fps	
Color mode: 0.001 lux @ F1.5, AGC ON B/W mode: 0.0001 lux @ F1.5, AGC ON		Color mode: 0.002 lux @ F1.4 (AGC ON); B/W mode: 0.0002 lux @ F1.4 (AGC ON)	
ICR		ICR	
-		-	
Motorized vari-focus lens, F1.5, f=2.8~12mm		Motorized vari-focus lens, F1.4, f=2.8~12mm	
Auto/Manual/Outdoor		Auto/Manual/Outdoor	
Auto/Manual (adjustment range 1/1s~1/32000s)		Auto/Manual (adjustment range 1/1s~1/32000s)	
Compression: G.711a, G.711u, AAC Sampling rate: 8KHz, 16KHz, 32KHz, 44KHz, 48KHz optional Port: 1 linear input, 1 linear output; built-in Mic		Compression: G.711a, G.711u, AAC Sampling rate: 8KHz, 16KHz, 32KHz, 44KHz, 48KHz optional Port: 1 linear input, 1 linear output; built-in Mic	
2 alarm inputs, 1 on-off output		2 alarm inputs, 1 on-off output	
Up to 4 masks		Up to 4 masks	
Up to 4 areas		Up to 4 areas	
Available		Available	
Available		Available	
Detections of wire crossing, intrusion, scene change, defocus, low brightness, high brightness, video loss, color cast, and camera tampering		Detections of wire-cross, regional intrusion, scene change, defocus, low brightness,high brightness, video loss, color cast, and camera tampering.	
IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast		IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast	
PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)		PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)	
<6W		<6W	
-40°F ~ 140°F (-40°C ~ 60°C)		-40°F ~ 140°F (-40°C ~ 60°C)	
Onvif Profile S, Onvif Profile G		Onvif Profile S, Onvif Profile G	



# Minidome Cameras



Product Name	HD 2MP Vandal Resistant Smart Starlight WDR IP Minidome Camera	HD 5MP Vandal IP Minidome Camera
	2MP, Day/Night	5MP, Day/Night
Model	VT220-A20B-S0	VT220-A50B-A0
Product Picture		
Image Sensor	1/2.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Video Compression (with multi-streaming)	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
Maximum Resolution	1920x1080@60fps	25fps@2592x1944; 50fps@1920x1080
Sensitivity	Color mode: 0.002 lux @ F1.4 (AGC ON); B/W mode: 0.0002 lux @ F1.4 (AGC ON)	Color mode: 0.01 lux@F1.5 (AGC ON); B/W mode: 0.001 lux@F1.5 (AGC ON)
Day/Night Functionality	ICR	ICR
IR Illumination Distance	-	-
Lens	Motorized vari-focus lens, F1.4, f=2.8~12mm	Motorized vari-focus lens, F1.5, f=2.8~12mm
White Balance	Auto/Manual/Outdoor	Auto/Manual/Outdoor
Electronic Shutter	Auto/Manual (adjustment range 1/1s~1/32000s)	Auto/Manual (adjustment range 1/1s~1/32000s)
Audio	Compression: G.711a, G.711u, AAC Sampling rate: 8KHz, 16KHz, 32KHz, 44KHz, 48KHz optional Port: 1 linear input, 1 linear output; built-in Mic	Compression: G.711a, G.711u, AAC Sampling rate: 8KHz, 16KHz, 32KHz, 44KHz, 48KHz optional Port: 1 linear input, 1 linear output; built-in Mic
Alarm	2 alarm inputs, 1 on-off output	2 alarm inputs, 1 on-off output
Privacy Mask	Up to 4 masks	Up to 4 masks
Motion Detection	Up to 4 areas	Up to 4 areas
Password Protection	Available	Available
Upgrade Online	Available	Available
Smart Video Analytics	Video anomaly detection, wire cross detection, and intrusion detection	Detections of wire-cross, regional intrusion, scene change, defocus, low brightness, high brightness, video loss, color cast, and camera tampering.
Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
Power Supply	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)
Power Consumption	<6W	<6W
Environmental	-40°F ~ 140°F (-40°C ~ 60°C)	-40°F ~ 140°F (-40°C ~ 60°C)
Others	Onvif Profile S, Onvif Profile G	Onvif Profile S, Onvif Profile G

2MP Starlight WDR Intelligent IP Minidome Camera



	2MP, Starlight, WDR	2MP, Starlight, WDR
	VS220-A20B-A0	VS220-A20B-B0
		
	1/1.9" progressive scan CMOS	1/2.8" progressive scan CMOS
	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
	1920x1080@60fps	1920x1080@60fps
	Color mode: 0.001 lux @ F1.5 (AGC ON); B/W mode: 0.0001 lux @ F1.5 (AGC ON)	Color mode: 0.002 lux @ F1.4 (AGC ON); B/W mode: 0.0002 lux @ F1.4 (AGC ON)
	ICR	ICR
	-	-
	Motorized vari-focus lens, F1.5, f=2.8~12mm	Motorized vari-focus lens, F1.4, f=2.8~12mm
	Auto/Manual/Outdoor	Auto/Manual/Outdoor
	Auto/Manual (adjustment range 1/1s~1/32000s)	Auto/Manual (adjustment range 1/1s~1/32000s)
	Compression: G.711-A/G.711-U/AAC Sampling rate: 8KHz (for G.711-A, G.711-U), 16KHz 32 KHz, 44.1KHz, 48KHz optional (for ACC) Port: 1 linear input, 1 linear output, with built-in MIC	Compression: G.711-A/G.711-U/AAC Sampling rate: 8KHz (for G.711-A, G.711-U), 16KHz 32 KHz, 44.1KHz, 48KHz optional (for ACC) Port: 1 linear input, 1 linear output, with built-in MIC
	2 alarm inputs, 1 on-off output	2 alarm inputs, 1 on-off output
	Up to 4 masks	Up to 4 masks
	Up to 4 areas	Available
	Available	Available
	Available	Available
	Anomaly detections: camera tampering, scene change, defocus, low brightness, high brightness, video loss, and color cast. Behavior-analysis detections: motion detection, wire crossing detection, intrusion detection, loitering detection, object abandoned detection, object lost detection, abnormal sound detection, crowd detection, fast moving detection, and fighting detection. Statistics detections: people counting, density detection, queue length detection, and dwelling detection. Feature detections: face detection, vehicle detection, and humanoid detection. Supports face detection, face tracking and face capture on the basis of deep learning. Able to select an optimized face image and delete the duplicate. The image of the scene and faces can be uploaded to the platform for secondary analysis and research. Supports image intelligent exposure.	
	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)
	<6W	<6W
	-40°F ~ 140°F (-40°C ~ 60°C)	-40°F ~ 140°F (-40°C ~ 60°C)
	Onvif Profile S, Onvif Profile G	Onvif Profile S, Onvif Profile G

# Minidome Cameras

Product Name	2MP Starlight WDR Intelligent IP Minidome Camera	HD 8.0MP Starlight WDR IP Mini-dome Camera
	2MP, Starlight, WDR	8MP, Starlight, WDR
Model	VS220-A20B-C0	VS220-A60B-A0
Product Picture		
Image Sensor	1/2" progressive scan CMOS	1/1.8" progressive scan CMOS
Video Compression (with multi-streaming)	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
Maximum Resolution	1920x080@60fps	3840x2160@30fps
Sensitivity	Color mode: 0.001 lux @ F1.5 (AGC ON); B/W mode: 0.0001 lux @ F1.5 (AGC ON)	Color mode: 0.001 lux @ F1.5 (AGC ON); B/W mode: 0.0001 lux @ F1.5 (AGC ON)
Day/Night Functionality	ICR	ICR
IR Illumination Distance	-	-
Lens	Motorized vari-focus lens, F1.5, f=2.8~12mm	Motorized vari-focus lens, F1.5, f=2.8~12mm
White Balance	Auto/Manual/Outdoor	Auto/Manual/Outdoor
Electronic Shutter	Auto/Manual (adjustment range 1/1s~1/32000s)	Auto/Manual (adjustment range 1/1s~1/32000s)
Audio	Compression: G.711-A/G.711-U/G.726/AAC Sampling rate: 8KHz (for G.711-A, G.711-U,G.726), 16KHz 32 KHz, 44.1KHz, 48KHz optional (for ACC) Port: 1 linear input, 1 linear output, with built-in MIC	Compression: G.711-A/G.711-U/G.726/AAC Sampling rate: 8KHz (for G.711-A, G.711-U,G.726), 16KHz 32 KHz, 44.1KHz, 48KHz optional (for ACC) Port: 1 linear input, 1 linear output, with built-in MIC
Alarm	2 alarm inputs, 1 on-off output	2 alarm inputs, 1 on-off output
Privacy Mask	Up to 4 masks	Up to 4 masks
Motion Detection	Available	Available
Password Protection	Available	Available
Upgrade Online	Available	Available
Smart Video Analytics	Anomaly detections: camera tampering, scene change, defocus, low brightness, high brightness, video loss, and color cast. Behavior-analysis detections: motion detection, wire crossing detection, intrusion detection, loitering detection, object abandoned detection, object lost detection, abnormal sound detection, crowd detection, fast moving detection, and fighting detection. Statistics detections: people counting, density detection, queue length detection, and dwelling detection. Feature detections: face detection, vehicle detection, and humanoid detection. Supports face detection, face tracking and face capture on the basis of deep learning. Able to select an optimized face image and delete the duplicate. The image of the scene and faces can be uploaded to the platform for secondary analysis and research. Supports image intelligent exposure.	
Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
Power Supply	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)
Power Consumption	<6W	<6W
Environmental	-40°F ~ 140°F (-40°C ~ 60°C)	-40°F ~ 140°F (-40°C ~ 60°C)
Others	Onvif Profile S, Onvif Profile G	Onvif Profile S, Onvif Profile G

	HD 2MP Starlight WDR Intelligent IR IP Mini-dome Camera	HD 8.0MP Starlight WDR IR IP Mini-dome Camera
	2MP, Starlight, WDR, IR	8MP, Starlight, WDR, IR
	VS221-A20B-B0	VS221-A60B-A0
		
	1/2.8" progressive scan CMOS	1/1.8" progressive scan CMOS
	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
	1920x1080@60fps	3840x2160@30fps
	Color mode: 0.002 lux @ F1.4 (AGC ON) ; B/W mode: 0.0002 lux @ F1.4 (AGC ON)	Color mode: 0.001 lux @ F1.5 (AGC ON) ; B/W mode: 0.0001 lux @ F1.5 (AGC ON)
	ICR	ICR
	30m	30m
	Motorized vari-focus lens, F1.4, f=2.8~12mm	Motorized vari-focus lens, F1.5, f=2.8~12mm
	Auto/Manual/Outdoor	Auto/Manual/Outdoor
	Auto/Manual (adjustment range 1/1s~1/32000s)	Auto/Manual (adjustment range 1/1s~1/32000s)
	Compression: G.711-A/G.711-U/G.726/AAC Sampling rate: 8KHz (for G.711-A, G.711-U,G.726), 16KHz 32 KHz, 44.1KHz, 48KHz optional (for ACC) Port: 1 linear input, 1 linear output, with built-in MIC	Compression: G.711-A/G.711-U/G.726/AAC Sampling rate: 8KHz (for G.711-A, G.711-U,G.726), 16KHz 32 KHz, 44.1KHz, 48KHz optional (for ACC) Port: 1 linear input, 1 linear output, with built-in MIC
	2 alarm inputs, 1 on-off output	2 alarm inputs, 1 on-off output
	Up to 4 masks	Up to 4 masks
	Available	Available
	Available	Available
	Available	Available
	Anomaly detections: camera tampering, scene change, defocus, low brightness, high brightness, video loss, and color cast. Behavior-analysis detections: motion detection, wire crossing detection, intrusion detection, loitering detection, object abandoned detection, object lost detection, abnormal sound detection, crowd detection, fast moving detection, and fighting detection. Statistics detections: people counting, density detection, queue length detection, and dwelling detection. Feature detections: face detection, vehicle detection, and humanoid detection. Supports face detection, face tracking and face capture on the basis of deep learning. Able to select an optimized face image and delete the duplicate. The image of the scene and faces can be uploaded to the platform for secondary analysis and research. Supports image intelligent exposure.	
	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)	PoE (IEEE 802.3af)/12VDC(±20%)/24VAC(±25%)
	<9W	<9W
	-40°F ~ 140°F (-40°C ~ 60°C)	-40°F ~ 140°F (-40°C ~ 60°C)
	Onvif Profile S, Onvif Profile G	Onvif Profile S, Onvif Profile G

# Minidome Cameras

Product Name	Face Capture HD 2MP Starlight WDR Intelligent IP Mini-dome Camera	Face Capture HD 2MP Starlight WDR Intelligent IR IP Mini-dome Camera
	2MP, Starlight, WDR	2MP, Starlight, WDR, IR
Model	VT320-A2	VT321-A2
Product Picture		
Image Sensor	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Video Compression (with multi-streaming)	H.265 /H.264/M-JPEG	H.265 /H.264/M-JPEG
Maximum Resolution	1080P@30fps+720P@30fps+M-JPEG 1080P@30fps	1080P@30fps+720P@30fps+M-JPEG 1080P@30fps
Sensitivity	Color mode: 0.001lux @ F1.4 (AGC ON); B/W mode: 0.0001lux@ F1.4 (AGC ON);	Color mode: 0.001lux @ F1.4 (AGC ON); B/W mode: 0.0001lux@ F1.4 (AGC ON); 0lux(IR ON)
Day/Night Functionality	ICR	ICR
IR Illumination Distance	-	30m
Lens	Motorized vari-focus lens, F1.4, f=2.8~12mm	Motorized vari-focus lens, F1.4, f=2.8~12mm
White Balance	Auto/Manual/Outdoor	Auto/Manual/Outdoor
Electronic Shutter	Auto/Manual (adjustment range 1/1s~1/32000s)	Auto/Manual (adjustment range 1/1s~1/32000s)
Audio	Compression: G.711-U/G.711-A/AAC Audio Sample Rate: 8KHz (for G.711-U/G.711-A), 16KHz, 32KHz, 44.1KHz and 48KHz (for AAC) Audio Interface: 1 input, Linear level; 1 output, Linear level	Compression: G.711-U/G.711-A/AAC Audio Sample Rate: 8KHz (for G.711-U/G.711-A), 16KHz, 32KHz, 44.1KHz and 48KHz (for AAC) Audio Interface: 1 input, Linear level; 1 output, Linear level
Alarm	2 alarm inputs, 1 on-off output	2 alarm inputs, 1 on-off output
Privacy Mask	Up to 16 definable areas	Up to 8 definable areas
Motion Detection	Available	Available
Password Protection	Available	Available
Upgrade Online	Available	Available
Smart Video Analytics	<p>General Smart Functions: motion detection, camera tampering, camera shifting, defocus detection, high brightness detection, low brightness detection, color cast detection.</p> <p>Facial Applications: Faces can be detected, tracked and snapshot in the live view; better captured face images are selected and the duplicates deleted; Face images and scene images can be uploaded to the platform for a secondary analysis and retrieval; Face exposure is supported.</p> <p>Density Detection: People gathering detection and density detection</p> <p>Counting: counting for heads/faces/figures/vehicles is supported; queue length detection, customer attention detection</p> <p>Behavior Analysis: Cross-line detection, intrusion detection, loitering detection, fast movement detection</p>	
Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast
Power Supply	PoE (IEEE 802.3af Class2)/12VDC(±20%)/24VAC(±20%)	PoE (IEEE 802.3af Class2)/12VDC(±20%)/24VAC(±20%)
Power Consumption	<7W	<12W
Environmental	-40°F ~ 140°F (-40°C ~ 60°C)	-40°F ~ 140°F (-40°C ~ 60°C)
Others	ONVIF Profile S, Profile G, Profile Q, Infinova CGI	ONVIF Profile S, Profile G, Profile Q, Infinova CGI



## Face Capture HD 2MP Starlight WDR Intelligent IR IP Mini-dome Camera

2MP, Starlight, WDR, IR

VT321-B2



1/2.8" progressive scan CMOS

H.265 /H.264/M-JPEG

1080P@30fps+720P@30fps+M-JPEG1080P@30fps

Color mode: 0.001lux @ F1.4 (AGC ON);  
B/W mode: 0.0001lux@ F1.4 (AGC ON); 0lux (IR ON)

ICR

30m

F1.6, f= 4mm, 6mm, 8mm, 12mm, 16mm  
F1.8, f=2.8mm

Auto/Manual/Outdoor

Auto/Manual (adjustment range 1/1s~1/32000s)

Compression: G.711-U/G.711-A/AAC  
Audio Sample Rate: 8KHz (for G.711-U/G.711-A); 16KHz, 32KHz, 44.1KHz and 48KHz (for AAC)  
Audio Interface: 1 input, Linear level; 1 output, Linear level

2 alarm inputs, 1 on-off output

Up to 16 definable areas

Available

Available

Available

General Smart Functions: motion detection, camera tampering, camera shifting, defocus detection, high brightness detection, low brightness detection, color cast detection.

Facial Applications: Faces can be detected, tracked and snapshot in the live view; better captured face images are selected and the duplicates deleted; Face images and scene images can be uploaded to the platform for a secondary analysis and retrieval; Face exposure is supported.

Density Detection: People gathering detection and density detection

Counting: counting for heads/faces/figures/vehicles is supported; queue length detection, customer attention detection

Behavior Analysis: Cross-line detection, intrusion detection, loitering detection, fast movement detection

IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv2/3, DHCP, SNMP, FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast



PoE (IEEE 802.3af Class2)/12VDC(±20%)/24VAC(±20%)

<12W

-40°F ~ 140°F (-40°C ~ 60°C)

ONVIF Profile S, Profile G, Profile Q, Infinova CGI

## PTZ Cameras

Product Name	HD 2MP Smart Starlight WDR IP PTZ Dome Camera	
Model	VT230-A230	VT230-A233
Product Picture		
Optical/Digital Zoom	30X optical	33X optical
Aperture/Focal Length	F1.6~F4.4, f=4.5~135mm	F1.6~F5.5, f=4.6~152mm
Image Sensor	1/2.8" CMOS	1/2.8" CMOS
True Day/Night	Available	Available
Sensitivity	Color mode: 0.0004 lux @ F1.6 (AGC ON) B/W mode: 0.0001 lux @ F1.6 (AGC ON)	Color mode: 0.001 lux @ F1.6 (AGC ON) B/W mode: 0.0001 lux @ F1.6 (AGC ON)
Video Compression (with multi-streaming)	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
Maximum Resolution	1080P@60fps	1080P@60fps
Maximum Frame Rate	60fps@1920x1080	60fps@1920x1080
Audio	Two-way audio, G.711-A/G.711-U/G.726/AAC	Two-way audio, G.711-A/G.711-U/G.726/AAC
Alarm	2 inputs, 1 output	2 inputs, 1 output
Camera Functions	White Balance, WDR, Noise Reduction, Defog, EIS, Mirror, BLC, HLC, Privacy Mask, Motion Detection, ROI	White Balance, WDR, Noise Reduction, Defog, EIS, Mirror, BLC, HLC, Privacy Mask, Motion Detection, ROI
PTZ Functions	1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom	1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom
Smart Functions	Wire cross, area intrusion, intelligent tracking	Wire cross, area intrusion, intelligent tracking
Storage	Supports dual SD card, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)	Supports dual SD card, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)
Network Protocols	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP, IP filter	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP, IP filter
Pan/Tilt	Pan: 360°; Tilt: -5° ~ 90° (auto-flip)	Pan: 360°; Tilt: -5° ~ 90° (auto-flip)
Preset Speed	Up to 500°/s	Up to 500°/s
Manual Speed	Pan: 0.1° ~ 800°/s; Tilt: 0.1° ~ 240°/s	Pan: 0.1° ~ 800°/s; Tilt: 0.1° ~ 240°/s
Power Supply	PoE+ (IEEE802.3at type2 Class4) / 24VAC (±35%) / 24VDC (±30%) self-adaptive; 24VAC: 35W (outdoor); 24VDC: 33W (outdoor); PoE+: 25W (max.)	PoE+ (IEEE802.3at type2 Class4) / 24VAC (±35%) / 24VDC (±30%) self-adaptive; 24VAC: 35W (outdoor); 24VDC: 33W (outdoor); PoE+: 25W (max.)
Environmental	-40°F ~ +158°C (-40°C ~ +70°C) (outdoor) -4°F ~ +140°C (-20°C ~ +60°C) (PoE+, outdoor), IP67	-40°F ~ +158°C (-40°C ~ +70°C) (outdoor) -4°F ~ +140°C (-20°C ~ +60°C) (PoE+, outdoor), IP67
Others	Onvif Profile S & Profile G	Onvif Profile S & Profile G

## HD 2MP Smart Starlight WDR IR IP PTZ Dome Camera

VT231-A230-A061



30X optical

F1.6~F4.8, f=6~180mm

1/1.9" CMOS

Available

Color mode: 0.001 lux @ F1.6 (AGC ON); B/W mode: 0.0001 lux @ F1.6 (AGC ON); 0 lux (IR ON)

H.265/H.264/M-JPEG

1080P@60fps

60fps@1920x1080

Two-way audio, G.711-A/G.711-U/G.726/AAC

2 inputs, 1 output

White Balance, WDR, Noise Reduction, Defog, EIS, Mirror, BLC, HLC, Privacy Mask, Motion Detection, ROI

1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom

Wire cross, area intrusion, intelligent tracking

Supports dual SD card, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)

IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP, IP filter

Pan: 360°; Tilt: -5° ~ 90° (auto-flip)

Up to 400°/s



Pan: 0.01° ~ 1000°/s; Tilt: 0.01° ~ 300°/s



PoE+ (IEEE802.3at type2 Class4, power over pairs 1/2(-), 3/6(+), 4/5(+) and 7/8(-))/ 24VAC (-25%~+35%) / 24VDC (±35%) self-adaptive; <17W (idle state); <55W (max., heater on, IR lamp manually adjusted to maximum); <50W (PoE+)

-49°F ~ +158°F (-45°C ~ +70°C) (outdoor)  
-4°F ~ +140°F (-20°C ~ +60°C) (PoE+, outdoor), IP66, IK10



Onvif Profile S & Profile G, IR LED covering up to 300m

# PTZ Cameras



Product Name	HD 6MP Smart Starlight WDR Face Capture IR IP PTZ Dome Camera	H265 HD 2MP Smart Starlight WDR Face Capture IR IP PTZ Dome Camera
Model	VS231-P530-A061	VS231-P230-A061
Product Picture		
Optical/Digital Zoom	30X optical	30X optical
Aperture/Focal Length	F1.6~F4.8, f=6~180mm	F1.6~F4.8, f=6~180mm
Image Sensor	1/1.8" CMOS	1/1.9" CMOS
True Day/Night	Available	Available
Sensitivity	Color mode: 0.01 lux @ F1.5 (AGC ON); B/W mode: 0.001 lux @ F1.5 (AGC ON); 0 lux (IR ON)	Color mode: 0.001 lux @ F1.6 (AGC ON); B/W mode: 0.0001 lux @ F1.6 (AGC ON); 0 lux (IR ON)
Video Compression (with multi-streaming)	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
Maximum Resolution	3088×2072@30fps	1080P@60fps
Maximum Frame Rate	30fps@3088×2072	60fps@1920×1080
Audio	Two-way audio, G.711-A/G.711-U/G.726/AAC	Two-way audio, G.711-A/G.711-U/G.726/AAC
Alarm	2 inputs, 1 output	2 inputs, 1 output
Camera Functions	White Balance, WDR, Noise Reduction, Defog, EIS, Mirror, BLC, HLC, Privacy Mask, Motion Detection, ROI	White Balance, WDR, Noise Reduction, Defog, EIS, Mirror, BLC, HLC, Privacy Mask, Motion Detection, ROI
PTZ Functions	1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom	1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom
Smart Functions	Video anomaly detection: camera tampering, high brightness, low brightness, video loss and color cast. Behavior-analysis detection: motion detection, wire crossing detection, intrusion detection, loitering detection, object abandoned detection, object lost detection, abnormal sound detection, crowd detection, fast moving detection, and fighting detection. Statistics detection: crowd density detection. Feature detection: face detection, vehicle detection, and human body detection. Supports deep-learning based face detection, tracking and capturing. Supports snapshots priority selection and duplicate deletion. Supports image matting to provide small face image or large panoramic images to be uploaded to the platform for secondary analysis and retrieval. Supports intelligent exposure on faces. Supports intelligent tracking.	
Storage	Supports dual SD card, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)	Supports dual SD card, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)
Network Protocols	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
Pan/Tilt	Pan: 360°; Tilt: -4° ~ 90° (auto-flip)	Pan: 360°; Tilt: -4° ~ 90° (auto-flip)
Preset Speed	Up to 400°/s	Up to 400°/s
Manual Speed	Pan: 0.01° ~ 1000°/s; Tilt: 0.01° ~ 300°/s	Pan: 0.01° ~ 1000°/s; Tilt: 0.01° ~ 300°/s
Power Supply	PoE+ (IEEE802.3at type2 Class4, power over pairs 1/2(-), 3/6(+), 4/5(+) and 7/8(-))/ 24VAC (-25%~+35%) / 24VDC (±35%) self-adaptive; <17W (idle state); <55W (max., heater on, IR lamp manually adjusted to maximum); <50W (PoE+)	PoE+ (IEEE802.3at type2 Class4, power over pairs 1/2(-), 3/6(+), 4/5(+) and 7/8(-))/ 24VAC (-25%~+35%) / 24VDC (±35%) self-adaptive; <17W (idle state); <55W (max., heater on, IR lamp manually adjusted to maximum); <50W (PoE+)
Environmental	-49°F ~ +158°F (-45°C ~ +70°C) (outdoor) -4°F ~ +140°F (-20°C ~ +60°C) (PoE+, outdoor), IP66, IK10	-49°F ~ +158°F (-45°C ~ +70°C) (outdoor) -4°F ~ +140°F (-20°C ~ +60°C) (PoE+, outdoor), IP66, IK10
Others	Onvif Profile S & Profile G, IR LED covering up to 150m	Onvif Profile S & Profile G, IR LED covering up to 150m

	H265 HD 2MP Smart Starlight WDR Face Capture IR IP PTZ Dome Camera	HD 2MP Smart Starlight WDR IR IP PTZ Dome Camera
	VS231-P230-C061	VT231-A230-C061
		
	30X optical	30X optical
	F1.6~F4.8, f=6~180mm	F1.6~F4.8, f=6~180mm
	1/2" CMOS	1/2" CMOS
	Available	Available
	Color mode: 0.0003 lux @ F1.6 (AGC ON); B/W mode: 0.0001 lux @ F1.6 (AGC ON); 0 lux (IR ON)	Color mode: 0.0003 lux @ F1.6 (AGC ON); B/W mode: 0.0001 lux @ F1.6 (AGC ON); 0 lux (IR ON)
	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
	1080P@60fps	1080P@60fps
	60fps@1920x1080	60fps@1920x1080
	Two-way audio, G.711-A/G.711-U/G.726/AAC	Two-way audio, G.711-A/G.711-U/G.726/AAC
	2 inputs, 1 output	2 inputs, 1 output
	White Balance, WDR, Noise Reduction, Defog, EIS, Mirror, BLC, HLC, Privacy Mask, Motion Detection, ROI	White Balance, WDR, Noise Reduction, Defog, EIS, Mirror, BLC, HLC, Privacy Mask, Motion Detection, ROI
	1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom	1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom
		Wire cross, area intrusion, intelligent tracking
	Supports dual SD card, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)	Supports dual SD card, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)
	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP, IP filter
	Pan: 360°; Tilt: -4° ~ 90° (auto-flip)	Pan: 360°; Tilt: -5° ~ 90° (auto-flip)
	Up to 400°/s	Up to 400°/s
	Pan: 0.01° ~1000°/s; Tilt: 0.01° ~ 300°/s	Pan: 0.01° ~1000°/s; Tilt: 0.01° ~ 300°/s
	PoE+ (IEEE802.3at type2 Class4, power over pairs 1/2(-), 3/6(+), 4/5(+) and 7/8(-))/ 24VAC (-25%~+35%) / 24VDC (±35%) self-adaptive; <17W (idle state); <55W (max., heater on, IR lamp manually adjusted to maximum); <50W (PoE+)	PoE+ (IEEE802.3at type2 Class4, power over pairs 1/2(-), 3/6(+), 4/5(+) and 7/8(-))/ 24VAC (-25%~+35%) / 24VDC (±35%) self-adaptive; <17W (idle state); <55W (max., heater on, IR lamp manually adjusted to maximum); <50W (PoE+)
	-49°F ~ +158°F (-45°C ~ +70°C) (outdoor) -4°F ~ +140°F (-20°C ~ +60°C) (PoE+, outdoor), IP66, IK10	-49°F ~ +158°F (-45°C ~ +70°C) (outdoor) -4°F ~ +140°F (-20°C ~ +60°C) (PoE+, outdoor), IP66, IK10
	Onvif Profile S & Profile G, IR LED covering up to 150m	Onvif Profile S & Profile G, IR LED covering up to 300m



# PTZ Cameras

Product Name	HD 2MP Starlight WDR Intelligent Integrated IP PTZ Camera System	
Model	VT240-A230-A3	VT240-A230-C3
Product Picture		
Optical/Digital Zoom	30X optical	30X optical
Aperture/Focal Length	F1.6~F4.8, f=6~180mm	F1.6~F4.8, f=6~180mm
Image Sensor	1/1.9" CMOS	1/2" CMOS
True Day/Night	Available	Available
Sensitivity	Color mode: 0.001 lux @F1.6 (AGC ON) B/W mode: 0.0001 lux @F1.6 (AGC ON)	Color mode: 0.0003 lux @F1.6 (AGC ON) B/W mode: 0.0001 lux @F1.6 (AGC ON)
Video Compression (with multi-streaming)	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
Maximum Resolution	1080P@60fps	1080P@60fps
Maximum Frame Rate	60fps@1920×1080	60fps@1920×1080
Audio	Two-way audio, G.711-A/G.711-U/AAC	Two-way audio, G.711-A/G.711-U/AAC
Alarm	2 inputs, 1 output	2 inputs, 1 output
Camera Functions	White Balance, WDR, DNR, Defog, EIS, Image Mirror, AGC, BLC, HLC, Privacy Mask, Motion Detection, ROI	White Balance, WDR, DNR, Defog, EIS, Image Mirror, AGC, BLC, HLC, Privacy Mask, Motion Detection, ROI
PTZ Functions	1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom	1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom
Smart Functions	Wire cross, intrusion	Wire cross, intrusion
Storage	Supports dual cards, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)	Supports dual cards, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)
Network Protocols	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
Pan/Tilt	Pan: 360°; Tilt: +40° ~ -85°	Pan: 360°; Tilt: +40° ~ -85°
Preset Speed	Pan: 250°/s (max.); Tilt: 150°/s (max.)	Pan: 250°/s (max.); Tilt: 150°/s (max.)
Manual Speed	Pan: 0.01°~250°/s; Tilt: 0.01°~80°/s	Pan: 0.01°~250°/s; Tilt: 0.01°~80°/s
Power Supply	24VDC (-25%~+35%)/24VAC (-20%~+35%) self-adaptive, 60W (max.)	24VDC (-25%~+35%)/24VAC (-20%~+35%) self-adaptive, 60W (max.)
Environmental	Outdoor: -40°F~140°F (-40°C~+60°C), IP66	Outdoor: -40°F~140°F (-40°C~+60°C), IP66
Others	Onvif Profile S & Profile G	Onvif Profile S & Profile G

## HD 2MP Starlight WDR Intelligent Integrated IP PTZ Camera System

	VT240-A230-D3	VT240-A233-B3
		
30X optical		33X optical
F1.6~F4.4, f=4.5~135mm		F1.6~F5.5, f=4.6~152mm
1/2.8" CMOS		1/2.8" CMOS
Available		Available
Color mode: 0.0004 lux @F1.6 (AGC ON) B/W mode: 0.0001 lux @F1.6 (AGC ON)		Color mode: 0.001 lux @F1.6 (AGC ON) B/W mode: 0.0001 lux @F1.6 (AGC ON)
H.265/H.264/M-JPEG		H.265/H.264/M-JPEG
1080P@60fps		1080P@60fps
60fps@1920x1080		60fps@1920x1080
Two-way audio, G.711-A/G.711-U/AAC		Two-way audio, G.711-A/G.711-U/AAC
2 inputs, 1 output		2 inputs, 1 output
White Balance, WDR, DNR, Defog, EIS, Image Mirror, AGC, BLC, HLC, Privacy Mask, Motion Detection, ROI		White Balance, WDR, DNR, Defog, EIS, Image Mirror, AGC, BLC, HLC, Privacy Mask, Motion Detection, ROI
1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom		1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom
Wire cross, intrusion		Wire cross, intrusion
Supports dual cards, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)		Supports dual cards, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)
IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP		IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
Pan: 360°; Tilt: +40° ~ -85°		Pan: 360°; Tilt: +40° ~ -85°
Pan: 250°/s (max.); Tilt: 150°/s (max.)		Pan: 250°/s (max.); Tilt: 150°/s (max.)
Pan: 0.01°~250°/s; Tilt: 0.01°~80°/s		Pan: 0.01°~250°/s; Tilt: 0.01°~80°/s
24VDC (-25%~+35%)/24VAC (-20%~+35%) self-adaptive, 60W (max.)		24VDC (-25%~+35%)/24VAC (-20%~+35%) self-adaptive, 60W (max.)
Outdoor: -40°F~140°F (-40°C~+60°C), IP66		Outdoor: -40°F~140°F (-40°C~+60°C), IP66
Onvif Profile S & Profile G		Onvif Profile S & Profile G


# PTZ Cameras

Product Name	HD 2MP Explosion-proof IP PTZ Camera System	
Model	V1631MN-30F	V1631MN-33F
Product Picture		
Optical/Digital Zoom	30X optical	33X optical
Aperture/Focal Length	F1.6~F4.8, f=6~180mm	F1.6~F5.5, f=4.6~152mm
Image Sensor	1/1.9" CMOS	1/2.8" CMOS
True Day/Night	Available	Available
Sensitivity	Color mode: 0.001 lux @F1.6 (AGC ON) B/W mode: 0.0001 lux @F1.6 (AGC ON)	Color mode: 0.001 lux @F1.6 (AGC ON) B/W mode: 0.0001 lux @F1.6 (AGC ON)
Video Compression (with multi-streaming)	H.265/H.264/M-JPEG	H.265/H.264/M-JPEG
Maximum Resolution	1920×1080@60fps	1920×1080@60fps
Maximum Frame Rate	60fps@1920×1080	60fps@1920×1080
Audio	Two-way audio, G.711-A/G.711-U/G.726/AAC	Two-way audio, G.711-A/G.711-U/G.726/AAC
Alarm	2 inputs, 1 output	2 inputs, 1 output
Camera Functions	White Balance, WDR, DNR, Defog, Image Mirror, BLC, AGC, Privacy Mask, Motion Detection, ROI	White Balance, WDR, DNR, Defog, Image Mirror, BLC, AGC, Privacy Mask, Motion Detection, ROI
PTZ Functions	1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom	1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom
Smart Functions	Wire cross, area intrusion, camera tamper detection	Wire cross, area intrusion, camera tamper detection
Storage	Supports dual cards, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)	Supports dual cards, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)
Network Protocols	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv3/3, DHCP, SNMP (V1, V2, V3), FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DNSv6, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast, SIP	IPv4/IPv6, TCP, UDP, IGMP, ICMP, IGMPv3/3, DHCP, SNMP (V1, V2, V3), FTP, SMTP, NTP, RTC, RTP, RTSP, RTCP, HTTP, HTTPS, SSL, 802.1x, QoS, PPPoE, DNS, DNSv6, DDNS, ARP, UPnP, IP Filter, TLS, DES, Multicast, SIP
Pan/Tilt	Pan: 360°; Tilt: 360°	Pan: 360°; Tilt: 360°
Preset Speed	-	-
Manual Speed	Pan: 0.05°/s to 20°/s; Tilt: 0.05°/s to 20°/s	Pan: 0.05°/s to 20°/s; Tilt: 0.05°/s to 20°/s
Power Supply	100~240VAC, 50W	100~240VAC, 50W
Environmental	Outdoor: -40°F~140°F (-40°C~+60°C), IP68	Outdoor: -40°F~140°F (-40°C~+60°C), IP68
Others	Onvif Profile S	Onvif Profile S, 316 stainless steel construction, use in flammable and explosive hazardous areas



	HD 2MP Explosion-proof IP PTZ Camera System	Explosion-proof IP PTZ Dome Camera
	VP160-A244-M	VP130-A220
		
	44X optical	30X optical
	F1.2 ~ F3.5, f=5 ~ 220mm	F1.6~F4.4, f=4.5~135mm
	1/2.8" CMOS	1/2.8" CMOS
	Available	Available
	Color: 0.002 lux @ F1.2 (AGC ON); B/W: 0.0002 lux @ F1.2 (AGC ON)	Color mode: 0.0004 lux @F1.6 (AGC ON) B/W mode: 0.0001 lux @F1.6 (AGC ON)
	H.265/H.264/MJPEG	H.265/H.264/MJPEG
	1920×1080@60fps	1920×1080@60fps
	60fps@1920×1080	60fps@1920×1080
	Two-way audio, G.711-A/G.711-U/G.726/AAC	-
	1 input, 1 output	2 inputs, 1 output
	White Balance, WDR, Image Mirror, AGC, Privacy Mask, Motion Detection	White Balance, WDR, Noise Reduction, Defog, EIS, BLC, HLC, Mirror, Privacy Mask, Motion Detection, ROI
	1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom	1024 Presets, 12 Patterns, 12 AutoPans, 16 Normal Tours, Home Return, Timed Tours, Auto Scan, Area Zoom
	Wire cross, area intrusion, camera tamper detection	Wire cross, area intrusion, intelligent tracking
	Support for MicroSD storage 128G (class10 is recommended)	Supports dual cards, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)
	L2TP, IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, SIP	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP, IP filter
	Horizontal: 0°~360° ; Vertical: -90°~+90°	Pan: 360° continuous scanning; Tilt: 8° ~ 90° (auto-flip)
	-	Up to 500°/s
	Pan: 0.05°/s to 20°/s; Tilt: 0.05°/s to 20°/s	Pan: 0.01° ~800°/s; Tilt: 0.01° ~240°/s
	AC 85V ~ 260V or DC24V 3A	24VAC (±35%) / 24VDC (±30%) self-adaptive
	Outdoor: -40°F~140°F (-40°C~+60°C)	Outdoor: -40°F ~ +158°C (-40°C ~ +70°C) (outdoor)
	Onvif Profile S, 316L stainless steel construction, use in flammable and explosive hazardous areas	Onvif Profile S & Profile G, 304/316 stainless steel construction, IP68 rating, use in flammable and explosive hazardous areas



# NVR

Product Name	8-channel Network Video Recorder
Model	V3073-08J02
Product Picture	
Incoming Bandwidth	64Mbps
Outgoing Bandwidth	40Mbps
IPC Input	8CH
Audio In	1CH, RCA (Line out, 2Vp-p, 300ohms)
VGA	1CH, 1920×1080, 1280×1024, 1280×720, 1024×768
HDMI	Standard 1.4a, 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768
Audio Output	1CH, RCA (Line out, 2Vpp, 300ohms)
IP channel Resolution	Main stream up to 3264×2448; Auxiliary stream: D1
Video Decoding	H.265 (Main Profile@Level5.0) / H.264 (High Profile@Level5.1)
Synchronous Playback	Up to 8CH
Decoding Ability	8CH 720P@30FPS or 4CH 1080P@30FPS
Bidirectional Talk	Two-way voice intercom function
SATA	2 SATA Interfaces
Network Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet interface
USB Interface	2 USB2.0 Interfaces
Alarm In	8CH
Alarm Out	4CH; NO/NC
Port	1 Half-duplex RS-485 interface
Power Supply	DC +12V 3.3A
Working Temperature	-10°C~+55°C
Consumption	6W (without HDD, without POE)

## 16-channel Network Video Recorder

	V3073-16J02	V3073-16J08
		
	96Mbps	128Mbps
	40Mbps	128Mbps
	16CH	16CH
	1CH, RCA (Line out, 2Vp-p, 300ohms)	1CH, RCA (Line out, 2Vp-p, 300ohms)
	1CH, 1920×1080, 1280×1024, 1280×720, 1024×768	1CH, 1920×1080, 1280×1024, 1280×720, 1024×768
	Standard 1.4a, 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768	Standard 1.4a, 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768
	1CH, RCA (Line out, 2Vpp, 300ohms)	1CH, RCA (Line out, 2Vpp, 300ohms)
	Main stream up to 3264x2448; Auxiliary stream: D1	Main stream up to 3264x2448; Auxiliary stream: D1
	H.265 (Main Profile@Level5.0) / H.264 (High Profile@Level5.1)	H.265 (Main Profile@Level5.0) / H.264 (High Profile@Level5.1)
	Up to 16CH	Up to 16CH
	8CH 720P@30FPS or 4CH 1080P@30FPS	16CH 1080P@30FPS
	Two-way voice intercom function	Two-way voice intercom function
	2 SATA Interfaces	8 SATA Interfaces
	1 RJ45 10M/100M/1000M self-adaptive Ethernet interface	2 RJ45 10M/100M/1000M self-adaptive Ethernet interfaces
	2 USB2.0 Interfaces	3 USB2.0 Interfaces
	8CH	16CH
	4CH; NO/NC	4CH; NO/NC
	1 RS-485 interface	1 RS-232 interface, 1 RS-485 interface
	DC +12V 3.3A	AC 110V~220V± 10% 47Hz~63Hz
	-10°C~+55°C	0°C~+55°C
	6W (without HDD, without POE)	20W (without HDD, without POE)


# NVR

Product Name	32-channel Network Video Recorder	
Model	V3073-32J08	V3073-32J16
Product Picture		
Incoming Bandwidth	200Mbps	200Mbps
Outgoing Bandwidth	200Mbps	200Mbps
IPC Input	32CH	32CH
Audio In	1CH, RCA (Line out, 2Vp-p, 1Kohms)	1CH, RCA (Line out, 2Vp-p, 1Kohms)
VGA	1CH, 1920×1080, 1280×1024, 1280×720, 1024×768	1CH, 1920×1080, 1280×1024, 1280×720, 1024×768
HDMI	Standard 1.4a, 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768	Standard 1.4a, 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768
Audio Output	1CH, RCA (Line out, 2Vpp, 300ohms)	1CH, RCA (Line out, 2Vpp, 300ohms)
IP channel Resolution	Main stream up to 3264x2448; Auxiliary stream: D1	Main stream up to 3264x2448; Auxiliary stream: D1
Video Decoding	MPEG-4 / H.264 (High Profile@Level5.0)	H.265 (Main Profile@Level5.0) / H.264 (High Profile@Level5.0)
Synchronous Playback	Up to 16CH	Up to 32CH
Decoding Ability	16CH 1080P@30FPS	16CH 1080P@30FPS
Bidirectional Talk	Two-way voice intercom function	Two-way voice intercom function
SATA	8 SATA Interfaces	16 SATA Interfaces
Network Interface	2 RJ45 10M/100M/1000M self-adaptive Ethernet interfaces	2 RJ45 10M/100M/1000M self-adaptive Ethernet interfaces
USB Interface	3 USB2.0 Interfaces	3 USB2.0 Interfaces
Alarm In	16CH	16CH
Alarm Out	4CH; NO/NC	4CH; NO/NC
Port	1 Half-duplex RS-485 interface, 1 RS-485 interface	1 Half-duplex RS-485 interface, 1 RS-485 interface
Power Supply	AC 110V~220V± 10% 47Hz~63Hz	AC 110V~220V± 10% 47Hz~63Hz
Working Temperature	-10°C~+55°C	0°C~+55°C
Consumption	30W (without HDD, without POE)	30W (without HDD, without POE)

## 64-channel Network Video Recorder

	V3073-64J08	V3073-64J16
		
	256Mbps	256Mbps
	256Mbps	256Mbps
	64CH	64CH
	1CH, RCA (Line out, 2Vp-p, 1Kohms)	1CH, RCA (Line out, 2Vp-p, 1Kohms)
	1CH, 1920×1080, 1280×1024, 1280×720, 1024×768	1CH, 1920×1080, 1280×1024, 1280×720, 1024×768
	Standard 1.4a, 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768	Standard 1.4a, 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768
	1CH, RCA (Line out, 2Vpp, 300ohms)	1CH, RCA (Line out, 2Vpp, 300ohms)
	Main stream up to 3264x2448; Auxiliary stream: D1	Main stream up to 3264x2448; Auxiliary stream: D1
	MPEG-4 / H.264 (High Profile@Level5.0)	MPEG-4 / H.264 (High Profile@Level5.0)
	Up to 16CH	Up to 16CH
	16CH 1080P@30FPS	16CH 1080P@30FPS
	Two-way voice intercom function	Two-way voice intercom function
	8 SATA Interfaces	16 SATA Interfaces
	2 RJ45 10M/100M/1000M self-adaptive Ethernet interfaces	2 RJ45 10M/100M/1000M self-adaptive Ethernet interfaces
	3 USB2.0 Interfaces	3 USB2.0 Interfaces
	16CH	16CH
	4CH; NO/NC	4CH; NO/NC
	1 Half-duplex RS-485 interface, 1 RS-485 interface	1 Half-duplex RS-485 interface, 1 RS-485 interface
	AC 110V~220V± 10% 47Hz~63Hz	AC 110V~220V± 10% 47Hz~63Hz
	-10°C~+55°C	-10°C~+55°C
	30W (without HDD, without POE)	30W (without HDD, without POE)

# NVR

Product Name	128-channel Network Video Recorder
Model	V3073-128J08
Product Picture	
Incoming Bandwidth	384Mbps
Outgoing Bandwidth	384Mbps
IPC Input	128CH
Audio In	1CH, RCA (Line out, 2Vp-p, 1Kohms)
VGA	1CH, 1920×1080, 1280×1024, 1280×720, 1024×768
HDMI	Standard 1.4a, 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768
Audio Output	1CH, RCA (Line out, 2Vpp, 300ohms)
IP channel Resolution	Main stream up to 3264x2448; Auxiliary stream:D1
Video Decoding	MPEG-4 / H.264 (High Profile@Level5.0)
Synchronous Playback	Up to 16CH
Decoding Ability	16CH 1080P@30FPS
Bidirectional Talk	Two-way voice intercom function
SATA	8 SATA Interfaces
Network Interface	2 RJ45 10M/100M/1000M self-adaptive Ethernet interfaces
USB Interface	3 USB2.0 Interfaces
Alarm In	16CH
Alarm Out	4CH; NO/NC
Port	1 Half-duplex RS-485 interface, 1 RS-485 interface
Power Supply	AC 110V~220V± 10% 47Hz~63Hz
Working Temperature	-10°C~+55°C
Consumption	30W (without HDD, without POE)

## 128-channel Network Video Recorder

V3073-128J16



384Mbps

384Mbps

128CH

1CH, RCA (Line out, 2Vp-p, 1Kohms)

1CH, 1920×1080, 1280×1024, 1280×720, 1024×768

Standard 1.4a, 3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768

1CH, RCA (Line out, 2Vpp, 300ohms)

Main stream up to 3264x2448;  
Auxiliary stream:D1

MPEG-4 / H.264 (High Profile@Level5.0)

Up to 16CH

16CH 1080P@30FPS

Two-way voice intercom function

16 SATA Interfaces

2 RJ45 10M/100M/1000M self-adaptive Ethernet interfaces

3 USB2.0 Interfaces

16CH

4CH; NO/NC

1 Half-duplex RS-485 interface, 1 RS-485 interface

AC 110V~220V± 10% 47Hz~63Hz

-10°C~+55°C

30W (without HDD, without POE)

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