



ULTRA HIGH DEFINITION

8MP IP DOME CAMERA

VV-NC91178D-AZIR2T1

IR NIGHT VISION MOTORIZED ZOOM CAMERA





H.265+ COMPRESSION









FEATURES

Ultra high definition 8MP (3840 x 2160) resolution

H.265+ video compression technology with real time encoding

Inbuilt 120dB WDR, 3D DNR, HLC, ROI, Defog & BLC functions

Support triple streams

High performance IR Cut mechanical filter for true day & night vision

Inbuilt smart analytics features

Built-in micro SD card slot, up to 256GB

IP67 weather proof outdoor enclosure

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Image sensor 17.8 Progressive Scan CMOS Sensor		Income company	1/2.8" Progressive Scan CMOS Sensor
Effective Pixels	Camera		3
Camora			
Electronic Shutter Speed			
Compression Frame Rate Compression Frame Rate			
Signal to Noise Signal to		Electronic Shutter Speed	1/3 s ~ 1/100000 s
Lens Type		Gain Control	Auto
Lens Type 2.8-12mm@F1.4, motorized lens Lens Mount 0.14 FoV Horizontal: 102°-32°, Vertical: 54°-17°, Diagonal: 120°-37° Focus Motorized Day & Night True day & night with ICR IR Cut High performance Mechanical IR Cut Filter with auto switch IR Source Inbutil High intensity Smart IR LEDs with intensity control IR Range 30°-50 Mr. Video compression H.265+ / H.265+ / H.264 / H.264 / MJPEG H.266+ dodec profile Baseline Profile/Main Profile/High Profile Audio Compression G.711A / U Video Bit Rare 64 Kipps - 12 Mibps Max. Resolution and Frame Rate 50Hz: 8MP(1.2992 x 1520), 5MP(3072 x 2048),5MP(2592 x 1944), 4MP (2592 x 1520), 2K(2560 x 1440), 3MP(2304 x 1296), 1060 Pr (1920 x 1080), 7.700 Pt (1280 x 720), 10.1 Clf. 480 x 240 Main Stream 50Hz: 8MP(1.2016)/6MP/5MP/4MP/2K/3MP/080P/720P(1.25fps) Sub Stream 720P/DI/CIP (406)/HS/DP/AMP/2K/3MP/080P/720P(1.25fps) Fluid Stream 720P/DI/CIP (406)/HS/DP/AMP/2K/3MP/080P/720P(1.25fps) HLC Supported Wide Dynamic Range (WDR) Backlight Compensation Supported ElS Supported DNR Inbulit 3D DNR (Digital Noise Reduction) circuit Codec Streaming Capability Triple streaming ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharoness Image Mirror, Image Plin, NR, etc. adjustable through client software or web browser General Function Contrast, Wide Dynamic, Sharoness Image Mirror, Image Plin, NR, etc. adjustable through client software or web browser General Function Supported Bulti-in Micro SD / SDHc / SDXC card slot, up to 256 GB ROI Fach ROI to be contigued as eparately Alarm Trigger Meton detection, SMD, 5D card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm Video ancryption, lifegal login lock, IP address filtering, 802.1x authentication beaus and digest suthennication for HTTP/RTSP, P2P, OS System Compatibility ONVIF		Signal to Noise	> 50 dB
Lens Mount		Iris	DC Iris
FoV		Lens Type	2.8~12mm@F1.4, motorized lens
Foous	Lens	Lens Mount	Ф14
Day Night		FoV	Horizontal: 102°~32°; Vertical:54°~17°; Diagonal: 120°~37°
Day/Night Functionality IR Cut		Focus	Motorized
Day/Night Functionality IR Cut		Day & Night	True day & night with ICR
R Source	Day/Night		·
IR Range	, –		
Video compression			
H. 264 codec profile Baseline Profile/Main Profile Audio Compression G711A / U Video Bit Rate 64 Kbps ~ 12 Mbps Max. Resolution Max. Res	Compression		
Audio Compression G711A / U Video Bit Rate 64 Kbps ~ 12 Mbps 8MP (3840 × 2160), 6MP(3072 × 2048),5MP(2592 × 1944), 4MP (2592 × 1520), 2K(2560 × 1440), 3MP(2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240 Main Stream 50Hz. 8MP(1~20tps)/6MP/5MP/4MP/2K/3MP/1080P/720P(1~30fps) 60Hz. 8MP(1~20tps)/6MP/5MP/4MP/2K/3MP/1080P/720P(1~30fps) 60Hz. 8MP(1~20tps)/6MP/5MP/4MP/2K/3MP/1080P/720P(1~30fps) 60Hz. 8MP(1~20tps)/6MP/5MP/4MP/2K/3MP/1080P/720P(1~30fps) 60Hz. 8MP(1~20tps)/6MP/5MP/4MP/2K/3MP/1080P/720P(1~30fps) 60Hz. 8MP(1~20tps)/6MP/5MP/4MP/2K/3MP/1080P/720P(1~30fps) 720P/D1/CIF/VGA/480 × 240(60Hz.1~ 30fps, 50Hz.1~25fps) HLC Supported HLC Supported Wide Dynamic Range (WDR) 120dB Backlight Compensation Supported EIS Supported EIS Supported EIS Supported DNR Inbuilt 3D DNR (Digital Noise Reduction) circuit Codec Streaming Capability Triple streaming ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser General Function Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR, cloud upgrade Onboard Storage Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB ROI Each ROI to be configured separately Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm Video encryption, illegal login lock, IP address filtering, 802 1x authentication basic and digest authentication for HTTP/RTSP Video encryption, illegal login lock, IP address filtering, 802 1x authentication basic and digest authentication for HTTP/RTSP Video encryption, illegal login lock, IP address filtering, 802 1x authentication basic and digest authentication for HTTP/RTSP Video encryption, illegal login lock, IP address filtering, 802 1x authentication basic and digest authentication for HTTP/RTSP			
Video Bit Rate			
Max. Resolution		<u>'</u>	·
Max. Resolution AMP (2592 x 1520), ZK(2560 x 1440), 3MP(2304 x 1296), 1080P (1920 x 1080), 720P (1280 x 720), D1, CIF, 480 x 240		Video Bit Rate	·
Resolution and Frame Rate Sub Stream T20P/D1/CIF/VGA/480 x240(60Hz:1 ~ 30fps; 50Hz: 1 ~ 25fps)		Max. Resolution	4MP (2592 × 1520), 2K(2560 × 1440), 3MP(2304 × 1296),
Third Stream 720P/DI/CIF/480 x240(60Hz:1~30fps; 50Hz: 1~25fps) HLC Supported Wide Dynamic Range (WDR) 120dB Backlight Compensation Supported EIS Supported DNR Inbuilt 3D DNR (Digital Noise Reduction) circuit Codec Streaming Capability Triple streaming ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser General Function Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR, cloud upgrade Onboard Storage Built-in Micro SD / SDMC / SDXC card slot, up to 256 GB ROI Each ROI to be configured separately Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication basic and digest authentication for HTTP/RTSP Video encryption, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPS, P2P, QoS System Compatibility ONVIF		Main Stream	50Hz : 8MP(1~20fps)/6MP/5MP/4MP/2K/3MP/1080P/720P(1~25fps)
HLC Supported Wide Dynamic Range (WDR) 120dB Backlight Compensation Supported Defog Supported EIS Supported DNR Inbuilt 3D DNR (Digital Noise Reduction) circuit Codec Streaming Capability Triple streaming ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser General Function Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR, cloud upgrade Onboard Storage Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB ROI Each ROI to be configured separately Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication basic and digest authentication for HTTP/RTSP Network & Remote Monitoring Protocols System Compatibility ONVIF		Sub Stream	720P/D1/CIF/VGA/480 ×240(60Hz:1 ~ 30fps; 50Hz: 1 ~ 25fps)
Wide Dynamic Range (WDR) 120dB Backlight Compensation Supported Defog Supported EIS Supported DNR Inbuilt 3D DNR (Digital Noise Reduction) circuit Codec Streaming Capability Triple streaming ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser General Function Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR, cloud upgrade Onboard Storage Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB ROI Each ROI to be configured separately Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication basic and digest authentication for HTTP/RTSP Network & Remote Monitoring Wideo Compatibility ONVIF		Third Stream	720P/D1/CIF/480 ×240(60Hz:1 ~ 30fps; 50Hz: 1 ~ 25fps)
Backlight Compensation Supported Defog Supported EIS Supported DNR Inbuilt 3D DNR (Digital Noise Reduction) circuit Codec Streaming Capability Triple streaming ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser General Function Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR, cloud upgrade Onboard Storage Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB ROI Each ROI to be configured separately Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm Security Video encryption, illegal login lock, IP address filtering, 802.1x authentication basic and digest authentication for HTTP/RTSP Network & Remote Monitoring Protocols System Compatibility ONVIF		HLC	Supported
Defog Supported EIS Supported DNR Inbuilt 3D DNR (Digital Noise Reduction) circuit Codec Streaming Capability Triple streaming ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness Image Mirror, Image Flip, NR, etc. adjustable through client software of web browser General Function Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR, cloud upgrade Onboard Storage Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB ROI Each ROI to be configured separately Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication basic and digest authentication for HTTP/RTSP Network & Remote Monitoring Protocols System Compatibility ONVIF		Wide Dynamic Range (WDR)	120dB
DNR Inbuilt 3D DNR (Digital Noise Reduction) circuit Codec Streaming Capability Triple streaming ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser General Function Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR, cloud upgrade Onboard Storage Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB ROI Each ROI to be configured separately Alarm Trigger Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication basic and digest authentication for HTTP/RTSP Network & Remote Monitoring Protocols System Compatibility ONVIF		Backlight Compensation	Supported
Operational Features DNR	'	Defog	Supported
Operational Features Codec Streaming Capability Triple streaming		EIS	Supported
Operational Features Codec Streaming Capability Triple streaming		DNR	Inbuilt 3D DNR (Digital Noise Reduction) circuit
Operational Features Image Settings ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser General Function Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR, cloud upgrade Onboard Storage Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB ROI Each ROI to be configured separately Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm Security Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication basic and digest authentication for HTTP/RTSP Wetwork & Remote Monitoring Protocols System Compatibility ONVIF		Codec Streaming Capability	Triple streaming
General Function Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR, cloud upgrade Onboard Storage Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB ROI Each ROI to be configured separately Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication basic and digest authentication for HTTP/RTSP Network & Remote Monitoring Protocols System Compatibility ONVIF			ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness Image Mirror, Image Flip, NR, etc. adjustable through client software or
ROI Each ROI to be configured separately Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication basic and digest authentication for HTTP/RTSP Network & Remote Monitoring Protocols System Compatibility ONVIF		General Function	
ROI Each ROI to be configured separately Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication basic and digest authentication for HTTP/RTSP Network & Remote Monitoring Protocols System Compatibility ONVIF		Onboard Storage	Built-in Micro SD / SDHC / SDXC card slot, up to 256 GB
Network disconnection, sensor alarm, audio alarm Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication basic and digest authentication for HTTP/RTSP Network & Remote Monitoring Protocols System Compatibility Network disconnection, sensor alarm, audio alarm Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication for HTTP/RTSP UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPS, P2P, QoS ONVIF		ROI	
Network & Remote Monitoring Security encryption, illegal login lock, IP address filtering, 802.1x authentication basic and digest authentication for HTTP/RTSP UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPS, P2P, QoS ONVIF		Alarm Trigger	Network disconnection, sensor alarm, audio alarm
Network & Remote Monitoring Protocols SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPS, P2P, QoS ONVIF		Security	encryption, illegal login lock, IP address filtering, 802.1x authentication
System companionly ONVII		Protocols	
CMS Full function CMS (Central monitoring software)		System Compatibility	ONVIF
		CMS	Full function CMS (Central monitoring software)

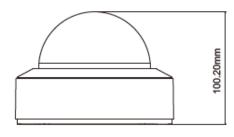
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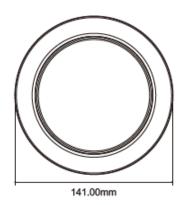
	Mobile Client Application	Supports android and iOS APP for Smart phone and tablets
	Bandwidth Control	VBR (Automatic) and CBR (Manual) supported
	Network Storage	NVR/CMS
	Web Browser	Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
	Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Analytics Feature	Smart Features	Line crossing, region intrusion/entrance/exiting, loitering detection, illegal parking detection, abandoned/ missing object detection
	Statistics	Target counting by line/area, heat map
	Exception Detection	Scene change, video blur and abnormal color detection, audio exception
	Face Detection	Face detection and face capture
	Video Metadata	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 4 motor vehicle features and 1 non-motor vehicle feature
Interface	Ethernet	1 RJ45 10M/100M Ethernet port
	Video Output	CVBS output (BNC×1)
	Audio	1CH audio input; 1CH audio output; 1CH built-in MIC
	Alarm	1CH alarm input; 1CH alarm output
	Reset	Yes, supported
Electrical	Power Requirement	DC12V, PoE (IEEE802.3af)
	Power Consumption	Max. 10.5W
Environmental	Enclosure	IP67 Weather proof outdoor enclosure
	Impact Protection	IK10
	Operating Temperature	-30°C to + 60°C
	Storage Temperature	-30°C to + 65°C
	Operating Humidity	95% or less (non-condensing)
Mechanical	Color	White
	Dimensions	Φ141×100.2
	Weight	Approx. 0.89KG
Certifications	Certifications	CE, FCC, RoHS

^{*}Exact products and specifications shown may vary by geographic region and are subject to change without notice. Product image, weights and measurements are approximate and may vary.

DIMENSIONS

Unit: mm





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(AN ISO 9001: 2008, ISO14001: 2004 CERTIFIED COMPANY)

