vantage
keeping you safe

FULL HIGH DEFINITION
2MP IP MINI DOME CAMERA

VV-NC9412D-AF3IRT1
IR NIGHT VISION FIXED CAMERA

vantage

FEATURES

Full HD 2MP (1920 x 1080) resolution

1/2.8" Progressive Scan CMOS Sensor

Inbuilt smart IR LEDs with intensity control

High performance IR Cut mechanical filter for
True Day & Night vision

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

Support triple streams

Support intelligent analytics

IP67 Weather proof outdoor enclosure

1/2.8"
Progressive
Scan CMOS Sensor

Backlight
Compensation

Smart IR

POE

IP67
Weather Proof

Onvif CE FC RoHS

VV-NC9412D-AF3IRT1

|		
Camera	Image Sensor	1/2.8" Progressive Scan CMOS Sensor
	Signal System	PAL/NTSC
	Effective Pixels	1920 (H) × 1080 (V)
	Minimum Illumination	Color : 0.005 lux @F1.6, AGC ON; 0 lux with IR
	Electronic Shutter Speed	1/3s ~ 1 / 100000s
	Gain Control	Auto
	Signal to Noise	> 50 dB
	Iris	Fixed
Lens	Lens Type	3.6mm@ F1.6, (2.8mm optional)
	Lens Mount	M12
	FOV	Horizontal FoV: 138.5°; vertical FoV: 80.1°; diagonal FoV:156.5°
	Focus	Fixed
Day/Night Functionality	Day & Night	True Day & Night with ICR
	IR Cut	High performance Mechanical IR Cut Filter with auto switch
	IR Source	Inbuilt Smart IR LEDs with intensity control
	IR Range	10~20 Mtr.
Compression	Video Compression	H.265+ / H.265 / H.264+ / H.264 /MJPEG
	H.264 codec profile	Baseline Profile/Main Profile/High Profile
	Video Bit Rate	64 Kbps ~ 6 Mbps
	Audio Compression	G711A / U
Resolution and Frame Rate	Max. Resolution	1080P(1920×1080),720P(1280×720),D1, VGA(640×480),640×360, 480×240, CIF
	Main Stream	1080P/720P(60Hz:1 ~ 30fps; 50Hz: 1 ~ 25fps)
	Sub Stream	720P/D1/VGA/640×360/480×240/CIF(60Hz:1 ~ 30fps; 50Hz: 1 ~ 25fps)
	Third Stream	D1/CIF/480×240(60Hz:1 ~ 30fps; 50Hz: 1 ~ 25fps)
Operational Features	Wide Dynamic Range (WDR)	120dB WDR
	BLC	Supported
	ROI	Each ROI to be configured separately
	Defog	Supported
	EIS	Supported
	HLC	Supported
	DNR	Inbuilt 3D DNR (Digital Noise Reduction) circuit
	Codec Streaming Capability	Triple streaming
	Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, Image Flip, Image Mirror, etc. adjustable through client software or web browser
	Alarm Trigger	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, cable disconnection
	General Function	Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR
	Security	Video encryption, firmware encryption, HTTPS encryption, configuration, encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP
Network & Remote Monitoring	Protocols	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPS, P2P, QoS
	System Compatibility	ONVIF
	CMS	Full function CMS (Central monitoring software)
	Mobile Client Application	Supports android and iOS APP for Smart phone and tablets
	Bandwidth Control	VBR (Automatic) and CBR (Manual) supported
	Web Browser	IE11(plug-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/ Safari 14.0+
	Online Connection	Support simultaneous monitoring for up to 8 users; Support multi-stream real time transmission
	Storage	Built-in micro SD card slot, up to 256GB

TECHNICAL SPECIFICATIONS

VV-NC9412D-AF3IRT1

Interface	Ethernet	RJ 45 10M/100M self-adaptive Ethernet port
	Power Input	Standard DC Jack
	Audio Input/Output	1CH audio input; 1CH audio output; 2CH built-in MIC
	Alarm Input/Output	1CH alarm input; 1CH alarm output
Smart Features	Smart Analytics	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 video cast 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, 5 motor vehicle features and 1 non-motor vehicle feature
Electrical	Power Requirement	DC12V/PoE (IEEE802.3af)
	Power Consumption	Max. <3.5W
Environmental	Enclosure	IP67 Weather proof outdoor enclosure
	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	Ø 110 × 62
	Weight	Approx. 0.41KG
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
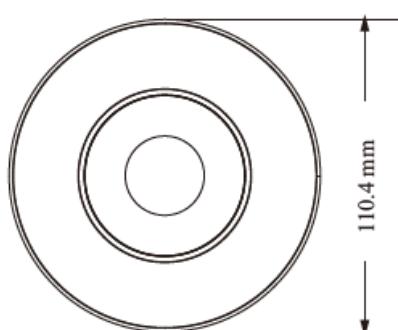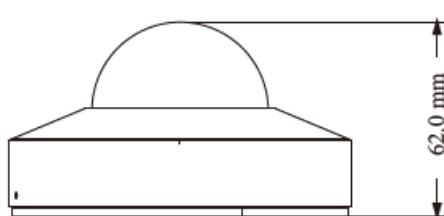
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(AN ISO 9001 : 2008, ISO14001 : 2004 CERTIFIED COMPANY)