

ULTRA HIGH DEFINITION 6MP IP DOME CAMERA

VV-NC91846D-AF3WLIRT1
FULL COLOR DUAL ILLUMINATION FIXED CAMERA



COLOR ON
CAMERAS

FEATURES

Ultra high definition 6MP(3200 x 1800) resolution

1/2.5" progressive scan CMOS sensor

Dual night vision modes with smart IR LED and white LED supplementary light

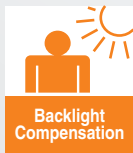
High performance IR cut mechanical filter for true day & night vision

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

Support triple streams

Inbuilt smart analytics supported

IP67 weather proof enclosure



TECHNICAL SPECIFICATIONS

VV-NC91846D-AF3WLIRT1

Camera	Image Sensor	1/2.5" progressive scan CMOS sensor
	Signal System	PAL/NTSC
	Effective Pixels	3200 (H) × 1800 (V)
	Minimum Illumination	Color : 0.008 lux @F1.6, AGC ON; 0 lux with illumination on
	Electronic Shutter Speed	1 / 4 s ~ 1 / 100000s
	Gain Control	Auto
	Signal to Noise	> 50 dB
	Iris	Fixed
Lens	Lens Type	3.6mm@F1.6 fixed lens (2.8mm optional)
	Lens Mount	M12
	Focus	Fixed
	FOV	Horizontal FoV:78°;Vertical FoV:38°;Diagonal FoV:94°
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
	White Light Range	IR range: 20 ~ 30 m; white light range:20 ~ 30 m
Compression	Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG
	H.265 Codec Profile	Main Profile@Level4.1 High Tier
	Audio Compression	G711A/U
	Video Bit Rate	64 Kbps ~ 8 Mbps
Resolution and Frame Rate	Max. Resolution	6MP (3200×1800), 4MP(2688×1520), 2K(2560×1440), 1080P (1920×1080),720P (1280×720), D1, VGA (640×480), 480×240, CIF
	Main Stream	6MP(1~20fps) /4MP/2K/1080P (60Hz: 1~30fps; 50Hz: 1~25fps)
	Sub Stream	1080P (60Hz:1~15fps; 50Hz:1~12fps)/ 720P/D1/VGA/480×240/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)
	Third Stream	D1/480× 240/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)
Operational Features	Wide Dynamic Range (WDR)	120dB
	BLC	Supported
	ROI	Each ROI to be configured separately
	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, Image Flip, Image Mirror, NR, etc. adjustable through client software or web browser
	Smart Alarm	Motion detection, SMD, SD card error, SD card full, IP address conflict, network disconnection, video exception
	General Function	Watermark, IP address filtering, video mask, heartbeat, ANR, cloud upgrade, smart supplement light, corridor pattern, disarming
	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/API
Network & Remote Monitoring	Protocols	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTP, HTTPS, NAT, QoS
	System Compatibility	ONVIF, API & SDK
	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
	Online Connection	Support simultaneous monitoring for up to 6 users; Support multi-stream real time transmission
	Web Browser	Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
	Network Storage	Built-in micro SD card slot, up to 256GB

TECHNICAL SPECIFICATIONS

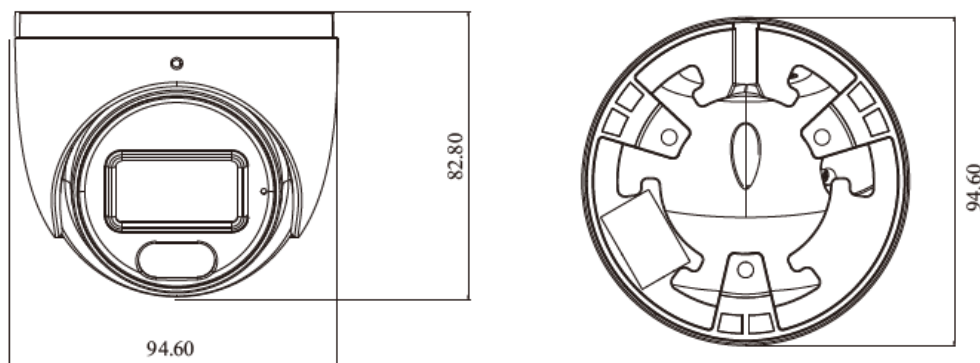
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Analytics Feature	Smart Features	Line crossing/region intrusion (human/vehicle classification), abandoned/missing object detection			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	69m(226ft)	28m(92ft)	14m(46ft)	7m(23ft)
	3.6mm	105m(344ft)	42m(138ft)	21m(69ft)	10m(33ft)
Interface	Ethernet	1 RJ45 10/100 Ethernet port			
	Power Input	Standard DC Jack			
	Audio	1CH audio input; 1CH built-in MIC			
	Reset	Yes, supported			
Electrical	Power Requirement	DC12V/PoE (IEEE802.3af)			
	Power Consumption	DC12V: < 4.9W; PoE: < 6.4W			
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	Installation	Ceiling mounting; wall mounting			
	Dimensions	Φ94.6 × 82.8			
	Weight	Approx. 0.45KG			
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 due to customized solutions & products being offered as per customer requirements.

DIMENSIONS

Unit: mm



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