



4MP Dome WDR IR Dome Network Camera

IP-D4MVFAC1-SS

Features

- **4MP, 1/3" CMOS IMAGE SENSOR, LOW ILLUMINANCE, HIGH IMAGE DEFINITION**
- **OUTPUTS 4MP (2560 * 1440)@25/30 FPS, MAX. SUPPORTS 4MP (2688 * 1520)@20 FPS**
- **H.265 CODEC, HIGH COMPRESSION RATE, ULTRA-LOW BIT RATE**
- **BUILT-IN IR LED, MAX IR DISTANCE: 40 M**
- **ROI, SMART H.264/H.265, FLEXIBLE CODING, APPLICABLE TO VARIOUS BANDWIDTH AND STORAGE ENVIRONMENTS**
- **ROTATION MODE, WDR, 3D DNR, HLC, BLC, DIGITAL WATERMARKING, APPLICABLE TO VARIOUS MONITORING SCENES**
- **INTELLIGENT DETECTION: INTRUSION, TRIPWIRE**
- **ABNORMALITY DETECTION: MOTION DETECTION, VIDEO TAMPERING, NO SD CARD, SD CARD FULL, SD CARD ERROR, NETWORK DISCONNECTED, IP CONFLICT, ILLEGAL ACCESS, VOLTAGE DETECTION**
- **ALARM: 1 IN, 1 OUT; AUDIO: 1 IN, 1 OUT; SUPPORTS MAX. 256 GB MICRO SD CARD**
- **12V DC/POE POWER SUPPORT**
- **IP67, IK10 PROTECTION GRADE**

System Overview

With upgraded H.265 encoding technology, Snappy series camera has efficient video encoding capacity, which saves bandwidth and storage space. This camera adopts the latest starlight technology and displays better colorful image in the environment of low illumination. It supports SD card storage, waterproof function, dust-proof function and tamper-proof function, complying to the standards of IP67 and IK10.

Functions

Smart(H.265+ & H.264+)

Adopting advanced algorithm of auto stream control according to the environment, Snappy smart encoding technology realizes the higher efficiency than (H.265 & H.264), providing high-quality video, and reducing the cost of storage and transmission.

Wide dynamic range (WDR)

Snappy adopts advanced Wide Dynamic Range (WDR) technology. You can get clear details in the environment of strong brightness contrast. In high brightness and back- light environment, bright region and dark region with strong light source, you can also get clear images.

Starlight

Snappy Starlight technology mainly applies to the environment of low illumination, and it can provide clear colorful video. Even in the environment of min. illumination, the technology can guarantee the good image effect.

Intelligent Video Analysis (IVS)

With advanced video algorithm, Snappy camera supports intelligent detection, such as tripwire and intrusion and so on.

Protection (IP67, IK10, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 m (Impact energy is 20J).

Wide voltage: The camera allows $\pm 30\%$ input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical Specification					
Camera					
Image Sensor	1/3" 4Megapixel progressive CMOS				
Effective Pixels	2688 (H) × 1520 (V)				
ROM	128 MB				
RAM	128 MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s				
Min. Illumination	0.008 Lux @ F1.5				
IR Distance	40 m (131.23 ft)				
IR On/Off Control	Auto/Manual				
IR LEDs Number	2				
Pan/Tilt/Rotation Range	Pan: 0°–355° Tilt: 0°–75° Rotation: 0°–355°				
Lens					
Lens Type	Motorized vari-focal				
Mount Type	φ14				
Focal Length	2.7 mm–13.5 mm				
Max. Aperture	F1.5				
Field of View	Pan: 104°–27° Tilt: 55°–15° Diagonal: 124°–31°				
Iris Type	Fixed aperture				
Close Focus Distance	0.8 m–0.8 m (2.62 ft–2.62 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	64 m (209.97 ft)	25.6 m (83.99 ft)	12.8 m (41.99 ft)	6.4 m (21 ft)
	T	220 m (721.78 ft)	88 m (288.71 ft)	44 m (144.36 ft)	22 m (72.18 ft)
Smart Event					
General IVS Analytics	Tripwire; intrusion				
Video					
Video Compression	H.265; H.264; H.264B; MJPEG				
Smart Codec	Yes				
Video Frame Rate	Main stream: 2688 × 1520 (1 fps-20 fps) 2560 × 1440 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps)				
Stream Capability	2 streams				
Resolution	2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)				
Bit Rate Control	CBR/VBR				
Video Bit Rate	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps				
Day/Night	Auto(ICR)/Color/B/W				
BLC	Yes				
HLC	Yes				
WDR	120 dB				
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom				

Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest(Roi)	Yes (4 areas)
Smart IR	Yes
Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas
Audio	
Audio Compression	G.711a; G.711Mu; G.726; AAC
Network	
Network	RJ-45 (10/100 Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour
Interoperability	ONVIF(Profile S/Profile G/Profile T);CGI; P2P; Milestone; Genetec
User/Host	20
Edge Storage	FTP; SFTP; Micro SD Card (support max.256 GB); NAS
Browser	IE Chrome Firefox
Management Software	Smart PSS; Snappy Universal CMS
Mobile Phone	iOS; Android
Certification	
Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07
Port	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel In: 5mA 5VDC
Alarm Output	1 channel Out: 300mA 12VDC
Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 6.5W
Environment	
Operating Conditions	-30°C to +60°C (-22°F to +140°F)/less than ≤ 95% RH
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Protection Grade	IP67, IK10
Structure	
Casing	Metal
Dimensions	Φ122 mm × 88.9 mm (Φ4.80" × 3.50")
Net Weight	0.47 kg (1.04 lb)
Gross Weight	0.63 kg (1.39 lb)

Accessories

Optional:



Junction Box



Wall Mount



Pole Mount



Rain Shade



Mount Adapter



Ceiling Mount



In-Ceiling Mount



DC12V1A Power Adapter



Single-port Long Reach Ethernet over Coax Extender



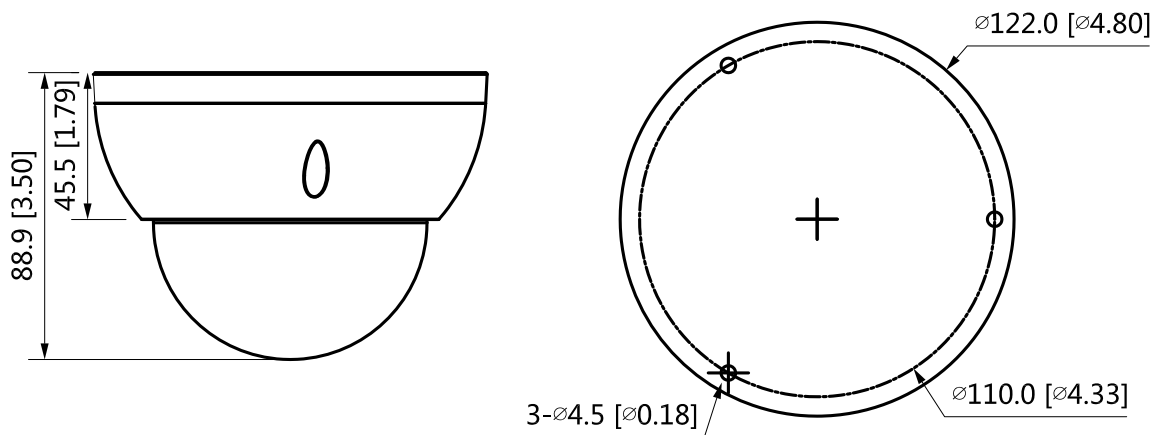
Integrated Mount Tester



TLC SD Card

Junction Mount	Wall Mount	Wall Mount	Pole Mount	Ceiling Mount	In-Ceiling Mount

Dimensions (mm/inch)



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