

VD-2FS49-SA 4MP Lite Full-color Fixed-focal Bullet Network Camera

- 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 warm lights, max. illumination distance: 30 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D NR, 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 disconnection, IP conflict, illegal access, voltage detection
- · Supports max. 256 GB Micro SD card and built-in Mic
- 12V DC/PoE power supply
- IP67 protection



With upgraded H.265 encoding technology, Lite series network camera has efficient video encoding capacity, which saves bandwidth and storage space. This camera adopts the latest starlight technology and displays better color image in the condition of low illumination. It supports SD card storage, dust-proof function, waterproof function and vandal-proof function, complying with the standards of IP67 (Supported by some select models).

Functions

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

Full-color

With high-performance sensor and large aperture lens, Full-color technology can display clear colorful image in the environment of ultralow illuminance. With this photosensitivity technology, the camera can capture more available light, and display more colorful image details.

WDR

With advanced Wide Dynamic Range (WDR) technology, network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.















IVS

With advanced video algorithm, IVS technology supports intelligent functions, such as tripwire and intrusion.

Cyber Security

Network camera is equipped with a series of key security technologies, such as security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage, which improve its security defense and data protection, and prevent malicious programs from invading the device.

Protection (IP67, 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.

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





Technical Specification						Bit Rate Control	CBR/VBR	
Camera						Video Bit Rate	H.264: 32 kbps-6144 kbps H.265: 12 kbps-6144 kbps	
Image Sensor		1/3" CMOS					Day/Night	Color/B/W
Max. Resolution		2688 (H) × 1520 (V)					BLC	Yes
ROM		128 MB					HLC	Yes
RAM		128 MB					WDR	120 dB
Scanning System		Progressive					White Balance	Auto/natural/street lamp/outdoor/manual/regional
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100,000 s					Gain Control	custom Auto/Manual
Minimum Illumination		0.004 Lux@F1.0					Noise Reduction	3D NR
S/N Ratio		> 56 dB					Motion Detection	OFF/ON (4 areas, rectangular)
Illumination Dist	tance	30 m (98.4 ft)					Region of Interest(RoI)	Yes (4 areas)
Illuminator On/0	Off Control	Auto/Manual					Smart Illumination	Yes
Illuminator Number		1 (Warm light)					Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688×1520
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–90°					Mirror	resolution and lower.) Yes
		Rotation: 0°–360°					Privacy Masking	4 areas
Lens Type		Fixed-focal				Audio		
Mount Type		M12					Built-in MIC	Yes
would type		2.8 mm					Audio Compression	G.711A; G.711Mu; G.726
Focal Length		3.6 mm					3.12.4 3.72.114, 3.723	
Max. Aperture		2.8 mm: F1.0 3.6 mm: F1.0				Alarm		
Field of View		2.8 mm: Horizontal 96° × Vertical 51° × Diagonal 115° 3.6 mm: Horizontal 81° × Vertical 44° × Diagonal 97°					Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; motion detection; video tampering; tripwire; intrusion; illegal access; voltage
Iris Type		Fixed						detection; audio detection; safety exception
Close Focus Distance		2.8 mm: 1.3 m (4.3 ft) 3.6 mm: 1.8 m (5.9 ft)					Network	
	Lens	Detect	Observe	Recognize	Identify		Network	RJ-45 (10/100 Base-T)
DORI Distance	2.8mm	56.0 m (183.7 ft)	22.4 m (73.5 ft)	11.2 m (36.7 ft)	5.6 m (17.1 ft)		SDK and API	Yes
	3.6mm	72.0 m (236.2 ft)	28.8 m (94.5 ft)	14.4 m (47.2 ft)	7.2 m (23.6 ft)			Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs;
Smart event						Cyber Security	IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade	
IVS		Tripwire; intrusion						
Video		H.265; H.264; H.264B; MJPEG (only supported by the					Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Bonjour
Video Compression		sub stream)						
Smart Codec		Smart H.265+/ Smart H.264+					Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
Video Frame Rate		Main stream: 2688 × 1520 (1 fps–20 fps) 2560 × 1440 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–20/25 fps)					User/Host	20 (Total bandwidth: 72 M.)
							Storage	Cloud; FTP; Micro SD card (support max. 256 G); NAS; SFTP
Stream Capability		704 × 480 (1 fps–20/30 fps) 2 streams					Browser	IE Chrome Firefox
Resolution		2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3M					Management Software	Smart PSS; DSS; DMSS
		(1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)				Mobile Phone	IOS; Android	
		155], 157 (010 / 100], CII (352 / 200] 352 / 270)						



Certification

CE-LVD: EN62368-1
CE-EMC: Electromagnetic Compatibility Directive
2014/30/EU
FCC: 47 CFR FCC Part 15, Subpart B

Power

Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 6.2 W

Environment

Operating Conditions	-40 °C to +60 °C (-40 °F to +140 °F)/less than ≤ 95% RH
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Protection Grade	IP67

Structure

Casing	metal
Dimensions	166.2 mm × Φ70 mm (6.5" × Φ2.8")
Net Weight	0.473 kg (1.0 lb)
Gross Weight	0.574 kg (1.3 lb)

Ordering Information				
Туре	Part Number	Description		
4MP Camera	DH-IPC-HFW2439SP-SA- LED-S2	4MP Lite Full-color Fixed-focal Bullet Network Camera,PAL		
	DH-IPC-HFW2439SN-SA- LED-S2	4MP Lite Full-color Fixed-focal Bullet Network Camera,NTSC		
	PFA134	Junction Box		
	PFA152-E	Pole Mount		
Accessories	PFM321D	DC12V1A Power Adapter		
(Optional)	LR1002-1ET/1EC	Single-port Long Reach Ethernet over Coax Extender		
	PFM900-E	Integrated Mount Tester		
	P100	MicroSD Memory Card		

Accessories

Optional:



PFA134 Junction Box



PFA152-E Pole Mount



PFM321D 12V DC 1A Power Adapter



LR1002-1ET/1EC Single-port Long Reach Ethernet over Coax Extender



PFM900-E Integrated Mount



P100 MicroSD Memory Card

Pole Mount	Junction Mount
PFA134+PFA152-E	PFA134

Dimensions (mm[inch])







