

# IPC-HFW2239SP-SA-LED-S2

DAHUA IPC-HFW2239SP-SA-LED-S2 2MP 3.6MM FULL-COLOR NETWORK KAMERA

Model	IPC-HFW2239SP-SA-LED-S2
Brend	Dahua
Növ	IP
Meqapixel	2 MP
İşıqlandırma	LED
İşıqlandırma məsafəsi	30 m
Mikrofon	Mic
Obyektiv	Sabit
Fokus	3.6
Qoruma	IP67
Material	Metal



## Specification

Camera	
Image Sensor	1/2.8" CMOS
Max. Resolution	1920 (H) × 1080 (V)
ROM	128 MB
RAM	128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s
Minimum Illumination	0.0017 lux@F1.0 (Color, 30 IRE) 0.0002 lux@F1.0 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	30 m (98.4 ft)(Warm light)
Illuminator On/Off Control	Auto; Manual
Illuminator Number	1 (Warm light)

<b>Pan/Tilt/Rotation Range</b>	Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°				
<b>Lens</b>					
<b>Lens Type</b>	Fixed-focal				
<b>Mount Type</b>	M12				
<b>Focal Length</b>	2.8 mm; 3.6 mm				
<b>Max. Aperture</b>	F1.0				
<b>Field of View</b>	2.8 mm: H: 107°; V: 55°; D: 127° 3.6 mm: H: 91°; V: 47°; D: 109°				
<b>Iris Type</b>	Fixed				
<b>Close Focus Distance</b>	2.8 mm: 0.9 m (3.0 ft) 3.6 mm: 1.3 m (4.3 ft)				
<b>DORI Distance</b>	<b>Lens</b>	<b>Detect</b>	<b>Observe</b>	<b>Recognize</b>	<b>Identify</b>
	2.8 mm	46.5 m (152.26 ft)	18.6 m (61.02 ft)	9.3 m (30.51 ft)	4.6 m (15.09 ft)
	3.6 mm	53.7 m (176.18 ft)	21.5 m (70.54 ft)	10.7 m (35.10 ft)	5.4 m (17.72 ft)
<b>Smart event</b>					
<b>IVS</b>	Tripwire; intrusion				
<b>Video</b>					
<b>Video Compression</b>	H.265; H.264; H.264B; MJPEG (only supported by the sub stream)				
<b>Smart Codec</b>	Smart H.265+; Smart H.264+				
<b>Video Frame Rate</b>	<b>Main stream:</b> 1920 × 1080 (1 fps-25/30 fps) <b>Sub stream:</b> 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.				
<b>Stream Capability</b>	2 streams				
<b>Resolution</b>	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)				
<b>Bit Rate Control</b>	CBR; VBR				
<b>Video Bit Rate</b>	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps				
<b>Day/Night</b>	Color/B/W				
<b>BLC</b>	Yes				
<b>HLC</b>	Yes				
<b>WDR</b>	120 dB				
<b>White Balance</b>	Auto; natural; street lamp; outdoor; manual; regional custom				
<b>Gain Control</b>	Auto; Manual				
<b>Noise Reduction</b>	3D NR				

Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest(Roi)	Yes (4 areas)
Smart Illumination	Yes
Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 1080p resolution and lower)
Mirror	Yes
Privacy Masking	4 areas
Audio	
Built-in MIC	Yes
Audio Compression	G.711A; G.711Mu; G.726
Alarm	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; motion detection; video tampering; tripwire; intrusion; illegal access; voltage detection; audio detection; safety exception
Network	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
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
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
User/Host	20 (Total bandwidth: 72 M.)
Storage	FTP; Micro SD card (support max. 256 G); NAS; SFTP
Browser	IE; Chrome; Firefox
Management Software	Smart PSS; DSS; DMSS
Mobile Phone	IOS; Android
Certification	
Certifications	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	< 6.0W
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)