

DS-2CFW06-P**6 MP Smart Hybrid Light Fixed Bullet Network Camera**

- High quality imaging with 6 MP resolution
- Support Person and Vehicle Detection
- Smart Hybrid Light: advanced technology with long range
- Efficient H.265+ compression technology
- Provide real-time security via built-in two-way audio
- Water and dust resistant (IP67)
- 180° Field of view
- Active strobe light and audio alarm to warn intruders off

▪ Specification

Camera	
Image Sensor	1/2.5" Progressive Scan CMOS
Max. Resolution	3632 × 1632
Shutter Time	1 s to 1/100,000 s
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 180°, rotate: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2.8 mm
Iris Type	Fixed
Focal Length & FOV	2.8 mm, horizontal FOV 180°, vertical FOV 77°
Lens Mount	M12
Aperture	F1.6
DORI	
DORI	2.8 mm, D: 42 m, O: 16 m, R: 8 m, I: 4 m
Illuminator	
Supplement Light Range	IR: up to 30 m White Light: up to 30 m
Smart Supplement Light	Yes
Supplement Light Type	IR, White Light
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 20 fps (3632 × 1632, 2688 × 1200, 1824 × 816) 60 Hz: 20 fps (3632 × 1632, 2688 × 1200, 1824 × 816)
Sub-Stream	50 Hz: 20 fps (960 × 432) 60 Hz: 20 fps (960 × 432)
H.265 Type	Main Profile
Video Compression	Main stream: H.265 Sub-stream: H.265
Video Bit Rate	32 Kbps to 4 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
Bit Rate Control	CBR, VBR
Region of Interest (ROI)	1 fixed region for main stream
Scalable Video Coding (SVC)	H.265 encoding
Audio	
Audio Compression	G.711/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 to 64 Kbps (AAC-LC)
Audio Type	Mono sound
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz
Network	
Web Browser	Plug-in required live view: IE 11, Local service: Chrome 91+, Firefox 88+, Edge 91+
API	ONVIF (ProfileS), ISAPI, SDK

Client	iVMS-4200, Hik-Connect, *The camera can be connected to Hik-Connect via NVS.
Simultaneous Live View	Up to 6 channels
Security	Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address)
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IPv4, IPv6, IGMP, UDP, QoS
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Wi-Fi	
Encryption Mode	WPA-EAP/WPA2-EAP, WPA-PSK/WPA2-PSK
Wi-Fi Protocol	IEEE802.11b, IEEE802.11g, IEEE802.11n, IEEE802.11ax
Frequency Range	2.4 GHz to 2.4835 GHz
Channel Bandwidth	20/40 MHz, Only 802.11n supports 40 MHz
Modulation	802.11b: DBPSK, DQPSK, CCK 802.11g: BPSK, QPSK, 16QAM, 64QAM 802.11n: BPSK, QPSK, 16QAM, 64QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM
Transfer Rate	802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n: up to 150 Mbps 802.11ax: up to 114 Mbps
Wireless Range	Up to 120 m (The performance varies based on actual environment)
Antenna	1 Antenna
Image	
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Privacy Mask	4 programmable polygon privacy masks
Interface	
Built-in Microphone	Yes, 1 built-in microphone
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Built-in Speaker	Yes, 1 built-in speaker, Max. power consumption: 2 W, max. sound pressure level: 10 cm: 97 dB.
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Linkage	Notify surveillance center, audible warning, strobe light flashing
General	
Power	12 VDC ± 25%, 0.91 A, max. 11 W, Ø5.5 mm coaxial power plug, reverse polarity protection

Material	Front cover: Metal, body: Plastic, bracket: Metal
Dimension	103.6 mm × 76 mm × 234.4 mm (4.1" × 3.0" × 9.23")
Package Dimension	344 mm × 144 mm × 93 mm (13.5" × 5.7" × 3.7")
With Package Weight	Approx. 905 g (2.0 lb.)
Weight	Approx. 650 g (1.4 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	English, Ukrainian
General Function	Heartbeat, anti-banding, password protection, password reset via email
Flashing Light	White Light
Approval	
RF	CE-RED : EN 301 489-17 V3.3.1, EN 301 489-1 V2.2.3, EN 300 328 V2.2.2, EN IEC 62311:2020
Protection	IP67: IEC 60529-2013
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021
Safety	CB: IEC 62368-1: 2014+A11
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006

▪ Typical Application

Recommended Scenarios: The Dual-lens panoramic camera is ideal for large-scale application Scenarios, such as parks, parking lots, intersections, roads, stadiums, and plantations.

Recommended installation height of the camera: above 3 m (9.84 ft.).

Recommended physical distance between the object and camera lens: 8 to 12 m (26.24 ft. to 39.37 ft.).

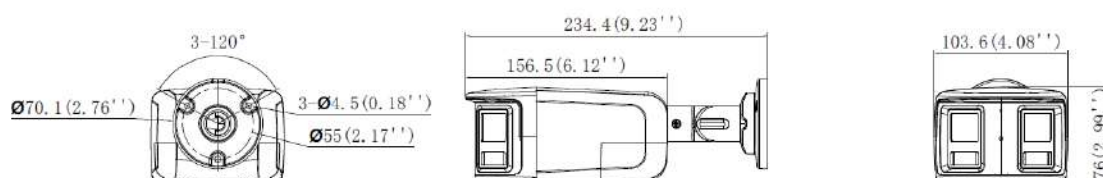
Recommended vertical angle of the camera lens: 68° to 75°.

▪ Available Model

DS-2CFW06-P(2.8mm)

▪ Dimension

SPEC



Unit: mm(inch)

▪ Accessory

▪ Optional

DS-1280ZJ-XS	DS-2280ZJ
	

▪ Installation Methods

Junction Box DS-1280ZJ-XS	Wall Mounting DS-2280ZJ
 DS-2280ZJ	 DS-1280ZJ-XS

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