

iDS-2CD8A87G0P/PW 8MP DeepinView High-Rise Littering Detection Camera

DeepinView^{series}



Hikvision has been dedicated to develop products with security since established. Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection.

In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

- High quality imaging with dual lens stitching design
- Clear imaging against strong back light due to 120 dB WDR technology
- Water and dust resistant (IP67)
- Built-in heater to ensure clear image under rainy or snowy weather
- Dedicated algorithm of High-Rise Littering Detection

▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON)
Shutter Time	1 s to 1/100,000 s
Lens	
Lens Type	Fixed focal lens, 6 mm
Focal Length & FOV	6 mm, horizontal FOV 51°, vertical FOV 55.2°, diagonal FOV 73°
Iris Type	Fixed
Aperture	F1.0
DORI	
DORI	6 mm: D (Detect): 116 m, O (Observe): 46 m, R (Recognize): 23 m, I (Identify): 11 m The DORI values are calculated using pixel densities for different use cases as recommended by the EN 62676-4 standard.
Video	
Main Stream	50 Hz: 25 fps (2560 × 2880) 60 Hz: 24 fps (2560 × 2880)
Sub-Stream	50 Hz: 25 fps (640 × 720) 60 Hz: 24 fps (640 × 720)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	4 fixed regions for main stream, sub-stream and third stream
Target Cropping	Yes
Audio	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets
Simultaneous Live View	Up to 20 channels
API	ONVIF (Profile S, Profile T), ISAPI, SDK, ISUP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user

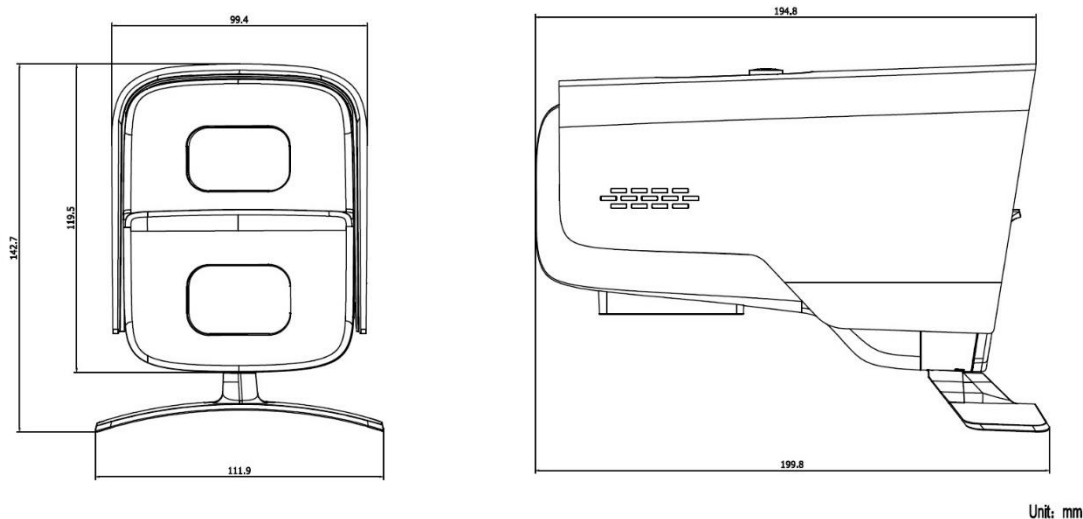
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2, TLS 1.3
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Image Parameters Switch	Yes
Image Settings	saturation, brightness, contrast, sharpness, gain, white balance, AGC, adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule, Alarm Trigger
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 50 dB
Image Enhancement	BLC, 3D DNR
Privacy Mask	8 programmable polygon privacy masks
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Reset Key	Yes
Event	
Basic Event	Motion detection, video tampering alarm, exception
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture
Deep Learning Function	
Object Thrown from Building Detection	Detects up to 48 targets simultaneously Configurable sensitivity, validity, and alarm priority for multi-scenario adaptation Supports up to 4 privacy masks Filters background interference (e.g., trees or leaves) with 1 shield region, preserving preview integrity Supports floor and unit parameter settings, alarm picture overlay, and alarm information for floor and unit
General	
Power	12 VDC ± 20%, 0.9 A, max. 10.8 W, reverse polarity protection, Ø5.5 mm coaxial power plug, PoE: IEEE 802.3af, Class 3, max. 12.5 W
Material	Metal and plastic
Dimension	142.7 mm × 111.9 mm × 199.8 mm (5.62" × 4.41" × 7.87")
Package Dimension	275 mm × 205 mm × 173 mm (10.83" × 8.07" × 6.81")
Weight	Approx. 1810 g (3.99 lb.)

With Package Weight	Approx. 990 g (2.18 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	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Heartbeat, flash log, password reset via email, pixel counter, password protection, one-key reset, anti-banding
Approval	
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, CE-LVD: EN 62368-1:2014/A11: 2017
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006

▪ Available Model

iDS-2CD8A87G0P/PW(6mm)

▪ Dimension



▪ **Accessory**

▪ **Included**

DS-1232ZJ-XS



▪ **Optional**

DS-1275ZJ-S-SUS



DS-1292ZJ



See Far, Go Further



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