

iDS-2CD8426G0/B-I
2MP Dual-Lens Behavior Analysis Camera



DeepinView^{series}

iDS-2CD8426G0/B-I adopts advanced deep learning algorithm, stereo imaging algorithm, and powerful GPU to analyze target behavior, such as loitering and people fell down.

The camera can be widely used in ATM, terminal building, retail industry and security departments, such as hotel, shopping malls, attraction and etc..

- Two 1/2.8" Progressive Scan CMOS
- Stereo imaging
- 1920 × 1080 @ 30fps
- Min. illumination
Color: 0.0028 Lux @ (F1.2, AGC ON), 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR
- Deep learning-based behavior analysis: loitering and people fell down
- H.265+, H.265, H.264+, H.264
- 3 video streams
- IR range up to 10 m



Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS ×2
Min. Illumination	Color: 0.0028 Lux @ (F1.2, AGC ON), 0.005 Lux @(F1.6, AGC ON) B/W: 0.0014 Lux @ (F1.2, AGC ON), 0.0025 Lux @(F1.6, AGC ON) 0 Lux with IR
Shutter Speed	1/25 s to 1/100,000 s
Slow Shutter	No
Auto-iris	No
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	Digital WDR
2-Axis Adjustment	Tilt: -45° to 90°, rotate: 0° to 355°
Lens	
Focal length	4 mm × 2, 2.8 mm × 2, optional Dual lens for stereo imaging
Aperture	F1.6
FOV	4 mm: horizontal FOV 86°, vertical FOV 46°, diagonal FOV 103° 2.8 mm: horizontal FOV 107°, vertical FOV 59°, diagonal FOV 127°
IR/White Light /Invisible IR)	
IR Range	Up to 10 m
Compression Standard	
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.264 Type	Baseline Profile/Main Profile/High Profile
H.264+	Support
H.265 Type	Main Profile
H.265+	Support
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)
Smart Feature-set	
Smart Event Detection	Intrusion detection, line crossing detection, region entrance detection, region exit detection, audio exception detection
Region of Interest	Four fixed region for each stream
Behavior Analysis	
Behavior Type	Loitering and people fell down Loitering: detects loitering action according to the length of moving path in defined area and trigger linkage action People fell down: detects falling down action according to the target height change in defined area and trigger linkage action
Calibration	Manual, auto and one-touch calibration are supported
Image	
Max. Resolution	1920 × 1080

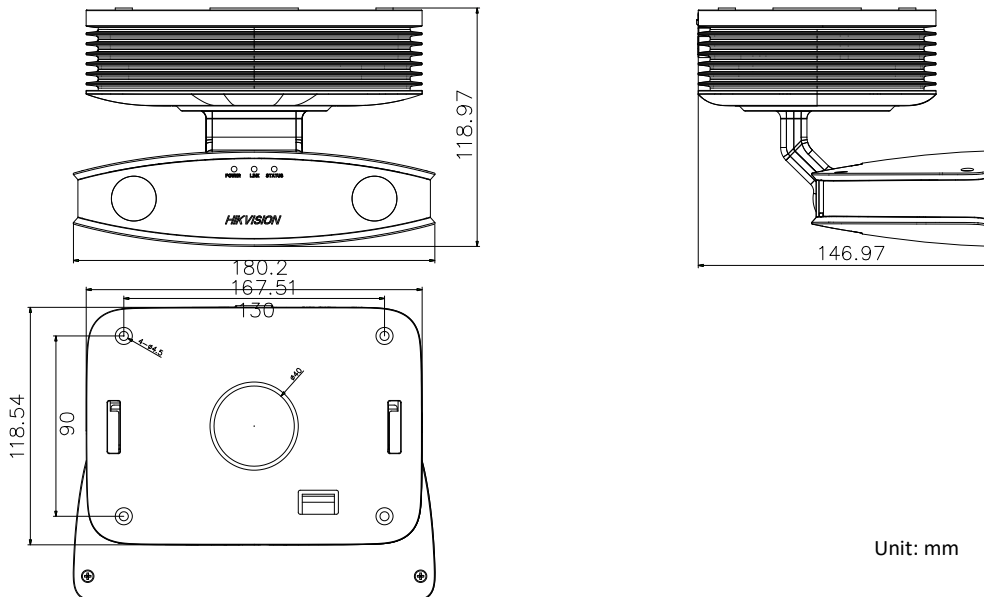
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (704 × 576, 640 × 480, 640 × 360, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 640 × 360, 352 × 240)
Third Stream	50Hz: 25fps (3840 × 1080) 60Hz: 30fps (3840 × 1080)
Image Enhancement	BLC, EIS, 3D DNR
Image Setting	Saturation, brightness, contrast, sharpness, AGC and white balance adjustable by client software or web browser
SVC	H.264 supports
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
Network	
Network Storage	Support Micro SD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
General Function	One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	iVMS-4200, iVMS-4500, iVMS-5200
Web Browser	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
Interface	
Audio	1 audio input (line in), 1 audio output (line out), mono soundtrack
Communication Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet port, 1 RS-485 interface
Alarm	1 input, 1 output (up to 24 VDC 1 A or 110 VAC 500 mA)
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes, internal
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8kHz/16kHz/32kHz/44.1kHz/48kHz
General	
Operating Conditions	-10 °C to 40 °C (-14 °F to 104 °F), humidity 95% or less (non-condensing)
Power Supply	36 VDC, two-core terminal block
Power Consumption and Current	36 VDC, max. 27 W, 0.75A
Shell Material	Metal
Dimensions	Camera: 180.2 × 147 × 119 mm (7.09" × 5.79" × 4.69") Package: 237 × 237 × 210 mm (9.33" × 9.33" × 8.27")
Weight	Camera: approx. 1.3 kg (2.87 lb.) With package: approx. 2.05 kg (4.52 lb.)

Available Models

iDS-2CD8426G0/B-I(2.8mm), iDS-2CD8426G0/B-I(4mm)

*Power adapter (DS-2FA3616-DZ-HW) and power cord of different standards are available for ordering

Dimensions



Unit: mm

Accessory

Distributed by



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