

iDS-2CD8B45G0-IZS**4MP Smart Manufacturing Vari-focal Bullet Camera**

- High quality imaging with 4 MP resolution
- Clear imaging against strong back light due to 120 dB true WDR technology
- High frame rate, up to 4 MP@60 fps
- Motorized varifocal lens for easy installation and monitoring
- Support on-board storage up to 512 GB (SD card slot)
- Alarm interface available
- White and IR supplement light
- Support shock absorption to reduce positional deviation in vibrating machine environment
- Adopt displacement detection alarm

▪ Specification

Model		iDS-2CD8B45G0-IZS
Camera	Image Sensor	1/2.7" Progressive Scan CMOS
	Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR
	Max. Resolution	2560 × 1440
	Shutter Time	1/3 s to 1/100,000 s
	Day & Night	IR cut filter
Lens	Lens Type	Motorized lens, 2.8 to 8 mm
	Focal Length & FOV	2.8 to 8 mm, horizontal FOV 93.2° to 48.6°, vertical FOV 50.3° to 27.3°, diagonal FOV 109.7° to 55.8°
	Lens Mount	Ø14
	Aperture	F1.8
Illuminator	Supplement Light Type	IR, White Light
	Supplement Light Range	IR: up to 3 m White Light: up to 3 m
	Smart Supplement Light	Yes
	IR Wavelength	850 nm
AI Open Platform	Model Specification	Up to 1 model, Model type: detection model, classification model, mixed model (detection model and classification model)
Video	Main Stream	50Hz: 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
	Sub-Stream	50 Hz: 25 fps (640 × 480, 704 × 576) 60 Hz: 30 fps (640 × 480, 704 × 480)
	Video Compression	Main stream: H.265/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 each stream
Network	Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
	API	ONVIF, ISAPI, SDK, ISUP
	Simultaneous Live View	Up to 6 channels

	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
	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+
Image	Image Parameters Switch	Yes
	Image Settings	saturation, brightness, contrast, sharpness, white balance, AGC, adjustable by client software or web browser
	Day/Night Switch	Day, Night, Auto, Schedule
	Wide Dynamic Range (WDR)	120 dB
	Image Enhancement	BLC, HLC, 3D DNR, Defog
	Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.
Interface	Alarm	1 input, 1 output (max. 24 VDC, 30 mA)
	On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
	Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
	Reset Key	Yes
Event	Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), video quality diagnosis, IP address conflict, illegal login, HDD full, HDD error
	Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection, defocus detection
	Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture
General	Power	reverse polarity protection, 12 VDC ± 25%, 0.5 A, max. 6 W, Ø5.5 mm coaxial power plug, PoE: IEEE 802.3af, Class 3, max. 6 W
	Material	Aluminum alloy body
	Dimension	60 mm × 60 mm × 76.9 mm (2.36" × 2.36" × 3.03")
	Package Dimension	174 mm × 111 mm × 101 mm (6.85" × 4.37" × 3.98")
	Weight	Approx. 350 g (0.77 lb.)
	With Package	Approx. 557 g (1.23 lb.)

	Weight	
	Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
	Startup and Operating Conditions	-20 °C to 60 °C (-4 °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, pixel counter, password protection, mirror
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-2CD8B45G0-IZS(2.8-8mm)(HIK)

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