HIKVISION®

4 MP AcuSense Fixed Bullet Network Camera

DS-2CD2043G2-IU 2.8mm

SKU: 150110   UPC: 842571000000

Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness. This unit uses a 1/3" progressive scan CMOS sensor to capture 2688 x 1520 resolution video at 30 fps. IR LEDs provide up to 131' of night vision. The camera's 2.8mm fixed lens delivers a 103° horizontal field of view. A built-in microphone enables the camera to pick up audio. A memory card slot accepts microSD/SDHC/SDXC cards up to 256GB. Integrated PoE technology simplifies connectivity by enabling the transfer of power and data through a single cable.

Features

- High quality imaging with 4 MP resolution
- Clear imaging against strong backlight due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle targets classification based on deep learning
- IR cut filter for day and night functionality
- CBR and VBR
- Scalable Video Coding (SVC)
- Three-axis angle adjustment
- 120 dB wide dynamic range
- 3D-DNR, backlight compensation, and highlight compensation
- Image settings include; rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, and white balance
- Image parameters switch
- Region of interest supports one fixed region for main stream and sub-stream separately
- Analytics include; motion detection, video tampering alarm, exception, face detection, and perimeter protection
- General functions include; anti-flicker, heartbeat, password reset via email, and pixel counter

Camera

Sensor	4 MP 1/3" CMOS
Lens Mount	M12
Focal Length	2.8mm
Maximum Aperture	f/1.6
Lens Field of View	Horizontal: 103° Vertical: 55° Diagonal: 122°
IR Cut Filter	Mechanical
Day/Night	Yes
Minimum Illumination	Color: 0.005 Lux B&W: 0 Lux
Shutter Speed	1/100,000 to 1/3 Seconds

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Video

Streaming Resolution	2688 x 1520 at 30 fps (8 Mb/s)
Supported Video Compression	H.264, H.264+, H.265, H.265+, MJPEG
Multi-View Streaming	Yes, 3 Streams
Automatic Gain Control	Yes

Audio

1- or 2-Way Audio	One-Way
Audio Formats	AAC, G.711, G.722.1, G.726, MP2L2, MP3, PCM
Built-In Mic	Yes

Networking

Security	Digest Authentication, HTTPS, IEEE 802.1X, IP Address Filtering, Password Protection
Supported Protocols	Bonjour, DDNS, DHCP, DNS, FTP, HTTP, ICMP, IGMP, IPv4/v6, NTP, PPPoE, QoS Layer 3 DiffServ, RTP, RTSP, SMTP, SSL/TLS, TCP, UDP, UPnP

System Integration

Application Programming Interface (API)	ONVIF Profiles G & S, ISAPI, SDK
Analytics	Motion Detection (Supports Human and Vehicle Targets Classification), Video Tampering Alarm, Exception, Face Detection, Perimeter Protection (Line Crossing Detection, Intrusion Detection: Supports Human and Vehicle Targets Classification)
Event Trigger	Yes
Event Action	Recording, Notification, Alarm
Data Streaming	Yes
Built-In Installation Aids	Pixel Counter

System Requirements

Mobile Operating Systems	iOS, Android

Environmental

Operating Temperature	-22 to 140°F / -30 to 60°C
Startup Temperature	-22 to 140°F / -30 to 60°C
Storage Temperature	-22 to 140°F / -30 to 60°C
Operating Humidity	0 to 95% (Non-Condensing)
IP Rating	IP67

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