



4K AcuSense Fixed Mini Bullet IP Camera

DS-2CD2086G2-I 2.8mm

SKU: 118701

Hikvision 4K AcuSense Fixed Mini Bullet Network Camera DS-2CD2086G2-I 2.8mm

Features

- High-quality imaging with 8 MP resolution
- Excellent low-light performance via powered-by-DarkFighter technology
- Efficient H.265+ compression technology
- Clear imaging against strong backlight due to 120 dB true WDR technology
- Focus on human and vehicle targets classification based on deep learning
- Built-in microphone for real-time audio security(-U)
- Water and dust resistant (IP67)

Specifications
Camera Image Sensor -1/1.8" Progressive Scan CMOS Resolution -3840 x 2160 Illumination -Color: 0.003 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR Shutter Time-1/3 s to 1/100,000 s Day & Night -IR cut filter Angle Adjustment Pan: 0 to 360°, tilt: 0 to 90°, rotation: 0 to 360° Lens Lens Type Fixed focal lens, 2.8, 4, and 6 mm optional Focal Length & FOV 8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 131° 4 mm, horizontal FOV 87°, vertical FOV 47°, diagonal FOV 102° 6 mm, horizontal FOV 51°, vertical FOV 28°, diagonal FOV 60° Lens Mount -M12 Iris Type Fixed Aperture -6D OR ID OR I8 mm: D: 89.2 m, O: 35.4 m, R: 17.8 m, I: 8.9 m 4 mm: D: 99.4 m, O: 39.4 m, R: 19.9 m, I: 9.9 m 6 mm: D: 140.0 m, O: 55.6 m, R: 28.0 m, I: 14.0 m Illuminator -Supplement Light Type IR -Supplement Light Range Up to 40 m Smart Supplement Light -Yes IR Wavelength -850 nm Video -Main Stream 50 Hz: 25 fps (3840 x 2160, 3200 x 1800, 2688 x 1520, 1920 x 1080, 1280 x 720) 60 Hz: 24 fps (3840 x 2160) 30 fps (3200 x 1800, 2688 x 1520, 1920 x 1080, 1280 x 720) Sub-Stream 50 Hz: 25 fps (640 x 480, 640 x 360) 60 Hz: 30 fps (640 x 480, 640 x 360) Third Stream 50 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360) 60 Hz: 10 fps (1920 x 1080, 1280 x 720, 640 x 480, 640 x 360) *Third stream is supported under certain settings. Video Compression Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 *Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps 264 Type Baseline Profile/Main Profile/High Profile 265 Type Main Profile Bit Rate Control CBR/VBR Scalable Video Coding (SVC) 264 and H.265 encoding Region Of Interest (ROI) 1 fixed region for mainstream and sub-stream Target Cropping Yes Audio Audio Type -U: Mono sound Audio Compression -U: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC Audio Bit Rate -U: 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) Audio Sampling Rate -U: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz Environment Noise Filtering -U: Yes Network Protocols TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, ARP Simultaneous Live View Up to 6 channels API Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK User/Host Up to 32 users. 3 user levels: administrator, operator and user Security Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface Network Storage MicroSD/SDHC/SDXC card (256 GB) local storage, and 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+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Image Image Parameters Switch Yes Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser Day/Night Switch Day, Night, Auto, Schedule Wide Dynamic Range (WDR) 120 dB SNR 52 dB Image Enhancement BLC, HLC, 3D DNR Interface Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port On-Board Storage Built-in micro SD, up to 256 GB Built-In Microphone -U: Yes Reset Key Yes Event Basic Event Motion detection (human and vehicle targets)

classification), video tampering alarm, exceptionSmart EventLine crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggering by specified target types (human and vehicle))Scene change detectionLinkageUpload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger captureDeep Learning FunctionFace CaptureYesGeneralPower12 VDC \pm 25%, 0.5 A, max. 6 W, \tilde{A} 5.5 mm coaxial power plug, reverse polarity protectionPoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.13 A, max. 7.2 WDimension \tilde{A} 70 mm x 161.7 mm (\tilde{A} 2.8" x 6.37")Package Dimension216 mm x 121 x 118 mm (8.5" x 4.8" x 4.6")485 g (1.1 lb.)With Package Weight749 g (1.6 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)Language33 languagesEnglish, 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), UkrainianGeneral FunctionAnti-flicker, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel counterApprovalEMCCE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); KC (KN 32: 2015, KN 35: 2015)SafetyUL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013)EnvironmentCE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)ProtectionIP67 (IEC 60529-2013)*Product performance is based on testing in a controlled environment.