



4MP DeepinView Moto Varifocal Bullet Camera

IDS-2CD7A46G0/P-IZHSY

SKU: 116584

Hikvision 4MP DeepinView ANPR Moto Varifocal Bullet Camera IDS-2CD7A46G0/P-IZHSY

Road Traffic and Vehicle Detection

With embedded deep learning based license plate capture and recognition algorithms, the camera alone can achieve plate capture and recognition. The algorithm enjoys the high recognition accuracy of common plates and complex-structured plates, which is a great step forward comparing to traditional algorithms. Blocklist and allowlist are available for plate categorization and separate alarm triggering.

Smooth Streaming

Smooth streaming offers solutions to improve the video quality in different network conditions. For example, in poor network conditions, adapting to the detected real-time network condition, streaming bit rate and resolution are automatically adjusted to avoid mosaic and lower latency in live view; in multiplayer network conditions, the camera transmits the redundant data for the self-error correcting in back-end device, so that to solve the mosaic problem because of the packet loss and error rate.

Key Feature:

- High-quality imaging with 4 MP resolution
- Excellent low-light performance via DarkFighter technology
- Clear imaging against strong backlight due to 140 dB WDR technology
- License Plate Recognition
- Efficient H.265+ compression technology to save bandwidth and storage
- 5 streams to meet a wide variety of applications
- Water and dust resistant (IP67) and vandal-proof (IK10)

Camera Image Sensor 1/1.8" Progressive Scan CMOS Max. Resolution 2688 x 1520 Min. Illumination Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR Shutter Time 1 s to 1/100,000 s Day & Night - IR cut filter; Blue glass module to reduce ghost phenomenon Lens Focal Length & FOV 2.8 to 12 mm, horizontal FOV: 114.5° to 41.8°, vertical FOV: 59.3° to 23.6°, diagonal FOV: 141.1° to 48° 8 to 32 mm, horizontal FOV: 42.5° to 15.1°, vertical FOV: 23.3° to 8.64°, diagonal FOV: 49.6° to 17.3° Focus - Auto, semi-auto, manual Iris Type P-iris Aperture 2.8 to 12 mm: F1.2 to F2.5; 8 to 32 mm: F1.7 to F1.73 DORI DORI - Wide: 2.8 to 12 mm: D: 60 m, O: 23.8 m, R: 12 m, I: 6 m; 8 to 32 mm: 150.3 m, O: 59.7 m, R: 30.1 m, I: 15 m; Tele: 2.8 to 12 mm: D: 149 m, O: 59.1 m, R: 29.8 m, I: 14.9 m; 8 to 32 mm: D: 400 m, O: 158.7 m, R: 80 m, I: 40 m IR Supplement Light Type IR Supplement Light Range; 2.8 to 12 mm: 50 m; 8 to 32 mm: 100 m Smart Supplement Light Yes IR Wavelength 850 nm Video Main Stream - 50 Hz: 25 fps (2688 x 1520, 2560 x 1440, 1920 x 1080, 1280 x 720) 60 Hz: 30 fps (2688 x 1520, 2560 x 1440, 1920 x 1080, 1280 x 720) Sub-Stream - 50 Hz: 25 fps (704 x 576, 640 x 480) 60 Hz: 30 fps (704 x 480, 640 x 480) Third Stream - 50 Hz: 25 fps (1920 x 1080, 1280 x 720, 704 x 576, 640 x 480) 60 Hz: 30 fps (1920 x 1080, 1280 x 720, 704 x 480, 640 x 480) Fourth Stream - 50 Hz: 25 fps (1920 x 1080, 1280 x 720, 704 x 576, 640 x 480) 60 Hz: 30 fps (1920 x 1080, 1280 x 720, 704 x 480, 640 x 480) Fifth Stream - 50 Hz: 25 fps (704 x 576, 640 x 480) 60 Hz: 30 fps (704 x 480, 640 x 480) Video Compression; Main stream: H.265+/H.265/H.264+/H.264 Sub-stream/Third stream/Fourth stream/Fifth 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.265 and H.264 encoding Region of Interest (ROI) 4 fixed regions for each stream Target Cropping Yes Audio Audio Type Mono sound Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC/MP3 Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to

192 Kbps (MP2L2)/16 to 64 Kbps (AAC)/8 to 320 Kbps (MP3) Audio Sampling Rate 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz Environment Noise Filtering Yes Network Protocols TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS Simultaneous Live View Up to 20 channels API Open Network Video Interface (PROFILE S, PROFILE G, 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 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: IE8+; Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ Image Image Parameters Switch Yes Image Settings - Saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser Day/Night Switch Day, Night, Auto, Schedule, Alarm Trigger, Video Trigger Wide Dynamic Range (WDR) 140 dB SNR \pm 52 dB Image Enhancement BLC, HLC, Defog, 3D DNR Picture Overlay LOGO picture can be overlaid on video with 128 x 128 24bit bmp format Image Stabilization EIS Interface Video Output 1 Vp-p Composite Output (75 Ω /CVBS) (Only for debugging) Ethernet Interface 1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port On-Board Storage Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB Audio With -Y: 1 input (line in), 1 output (line out), 3.5 mm connector Alarm 2 input, 2 outputs (max. 24 VDC, 1 A) RS-485 With -Y: 1 RS-485 (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive) Reset Key Yes Power Output With -Y: 12 VDC, max. 100 mA Wiegand /P-Y: 1 Wiegand (CardID 26bit, SHA-1 26bit, Hik 34bit, NEWG 72bit) General Power 12 VDC \pm 20%, 1.19 A, max. 14.28 W, three-core terminal block PoE: 802.3at, Type 2, Class 4, 42.5 V to 57 V), 0.396 A to 0.295 A, max. 16.8 W Material Aluminum alloy body Dimension Without -Y: \sim 144 x 347 mm (\sim 5.7" x 13.7") With -Y: \sim 140 x 351 mm (\sim 5.5" x 13.8") Package Dimension 405 x 190 x 180 mm (15.9" x 7.5" x 7.1") Weight Approx. 1950 g (4.2 lb.) With Package Weight Approx. 3070 g (6.7 lb.) Storage Conditions -30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing) Startup and Operating Conditions -40 $^{\circ}$ C to 60 $^{\circ}$ C (-40 $^{\circ}$ F to 140 $^{\circ}$ 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 - Anti-flicker, 5 streams, EPTZ, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel counter Approval EMC FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EEN 61000-3-3:2013+A1:2019, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 7); KC (KN 32: 2015, KN 35: 2015) Safety UL (UL 62368-1); CB (IEC 62368-1:2014+A11); CE-LVD (EN 62368-1:2014/A11:2017); BIS (IS 13252(Part 1):2010/ IEC 60950-1 : 2005); LOA (IEC/EN 60950-1) Environment CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006) Protection IK10 (IEC 62262:2002), IP67 (IEC 60529-2013) Anti-Corrosion Protection With -Y: NEMA 4X(NEMA 250-2018) Automotive and Railway EN50121-4 Other PVC FREE