



8MP Dual Illumination Motorized Varifocal Bullet IP Camera

DS-2CD3688G2T-LIZS

SKU: 143426 UPC: 842571000000

Hikvision 8MP Dual Illumination Motorized Varifocal Bullet IP Camera DS-2CD3688G2T-LIZS(Y)

Features

- High quality imaging with 8 MP resolution
- Smart Dual-Light: advanced technology with long range
- Clear imaging against strong back light due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Motorized varifocal lens for easy installation and monitoring
- Focus on human and vehicle classification based on deep learning
- Water and dust resistant (IP67) and vandal resistant (IK10)

Specifications Camera Image Sensor 1/1.8" Progressive Scan CMOS Resolution 3840 x 2160 Illumination Color: 0.0028 Lux @ (F1.2, AGC ON), 0 Lux with light Shutter Time 1/3 s to 1/100,000 s Day & Night IR cut filter Angle Adjustment Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360° Lens Lens Type Varifocal lens, motorized lens, 2.7 to 13.5 mm Focal Length & FOV 7 to 13.5 mm, horizontal FOV 112.3° to 41.2°, vertical FOV 58.1° to 23.1°, diagonal FOV 137.4° to 47.3° Lens Mount Integrated Iris Type DC iris Aperture 2 Depth Of Field 1 m to ∞ DORI DORI Wide: D: 87 m, O: 35 m, R: 17 m, I: 9 m Tele: D: 216 m, O: 86 m, R: 43 m, I: 22 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 60 m Smart Supplement Light Yes IR Wavelength 850 nm HEOP Open Resources Memory: 40 MB, Smart RAM: 350 MB, eMMC: 2 GB Computing Power 5 TOPS Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C, C++ 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 (1280 x 720, 640 x 480, 640 x 360) 60 Hz: 30 fps (1280 x 720, 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. Fourth Stream 50 Hz: 10 fps (1280 x 720, 640 x 480, 640 x 360) 60 Hz: 10 fps (1280 x 720, 640 x 480, 640 x 360) *Fourth 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, Fourth stream: H.265/H.264/MJPEG, *Third stream and fourth stream are 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) 5 fixed regions for main stream and sub-stream Target Cropping Yes Audio Audio Compression 711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC Audio Bit Rate 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-LC) 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, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SFTP, ARP, SNMP, WebSocket, WebSockets, SRTP Simultaneous Live View Up to 6 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 1.1/1.2/1.3, host authentication (MAC address) 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+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+ 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 Image Enhancement BLC,HLC,3D DNR,Defog SNR ≥ 52 dB Privacy Mask 4 programmable polygon
privacy masks Interface Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port On-Board Storage Built-in
memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB Audio 1 input (line in), two-core
terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K Ω , interface type: non-equilibrium, 1 output (line
out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω , interface type: non-equilibrium
Alarm 2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A) Reset Key Yes Power Output 12 VDC, max. 100 mA Event Basic
Event Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering
alarm,exception Smart Event Line crossing detection, intrusion detection, region entrance detection, region exiting
detection (support alarm triggered by specified target types (human and vehicle)), scene change detection,audio
exception detection,defocus detection Linkage Upload to FTP/NAS/memory card,notify surveillance center,send
email,trigger recording,trigger capture,trigger alarm output,audible warning Deep Learning Function Face Capture Yes
People Counting Yes General Power 12 VDC \pm 25%, 1.21 A, max. 14.5 W, \sim 5.5 mm coaxial power plug,reverse
polarity protection, PoE: IEEE 802.3at, Class 4, max. 18 W Material Front cover: Metal, body: Metal, bracket: Metal
Dimension 334 mm x 97.9 mm x 95.7 mm (13.2" x 3.9" x 3.8") Package Dimension 386 mm x 190 mm x 180 mm (15.2"
x 7.5" x 7.1") Weight 1085 g (2.4 lb.) With Package Weight 1639 g (3.6 lb.) General Function Heartbeat,anti-
banding,mirror,flash log,password reset via email,pixel counter 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 -30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ 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 Approval EMC FCC: 47 CFR Part 15, Subpart B, CE-EMC: EN 55032: 2015,
EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014 Safety UL: UL 62368-1, CB: IEC
62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017 Environment CE-RoHS: 2011/65/EU Protection IP67: IEC
60529-2013,IK10: IEC 62262:2002