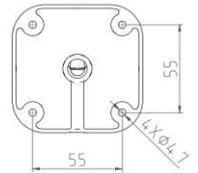
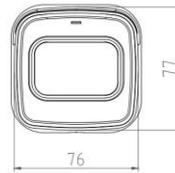
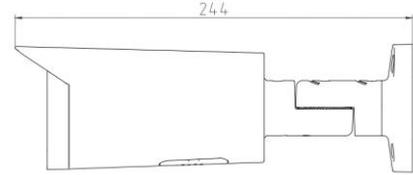


4MP IR Smart Dual Light Network Bullet Camera



- 4MP 1/2.7" CMOS Image Sensor, Excellent Low Luminance Performance & High Definition of images.
- Outputs Max. 4MP: 2560(H)*1440(V) / 2688(H)*1520(V)@25/30fps, H.265 Code, High Compression Rate, Ultra Low Bit Rate.
- 2.7~13.5mm 5X Motorized Lens, IR Light: Max. 60M, Warm Light: Max. 50M.
- ROI, SMART H.264 +/H.265+, AI H.264/H.265, Flexible Coding, Applicable to various bandwidth and storage environments.
- Rotation Mode, DWDR, 3DNR, HLC, BLC, Digital Watermarking, Applicable to various monitoring scenes.
- Perimeter Protection: Intrusion, Tripwire (Support the classification & Detection of Human, Vehicle & Non-Motor).
- Abnormality Detection: Smart Motion Detection

| Model No. | CB-RD4031-AZ |
|-------------------------------|--|
| Camera | |
| Image Sensor | 1/2.7" Progressive CMOS Image Sensor |
| Max. Resolution | 4MP, 2560(H)*1440(V) / 2688(H)*1520(V) |
| RAM & Flash | 256MB RAM / 128MB ROM |
| Minimum Illumination | 0.006Lux(Color), 0.0006Lux (B/W), 0Lux (IR on) |
| Shutter Speed | 1/3 s to 1/100, 000 s |
| Day / Night | Auto, Dual IR-Cut Filter, D/N Sensitive Switch / Mixed Mode Switch |
| Illumination Distance Range | IR Light: Max. 60M, Warm Light: Max. 50M |
| Illuminator Control | Auto / Manual |
| Smart IR | Supported |
| S/N Ratio | ≥ 56dB |
| Angle Adjustment | Pan: 0° to 360°, Tilt: 0° to 90°, Rotate: 0° to 360° |
| Lens | |
| Lens | 2.7-13.5mm Motorized Auto Focus Lens |
| Max. Aperture Ratio | F No. 1.6 (W) ~ 3.3(T) |
| Min. Object Distance | 0.3M~INF(W), 1.5M~INF(T) |
| Lens Mount | M12 |
| Max. Aperture | F1.6 |
| Iris Type | Auto Iris |
| Focal Length & FOV | |

| | | | | | |
|-----------------------------|--|------------|-------------|---------------|--------------|
| Lens | 2.7~13.5mm | | | | |
| Angle of View (H) | 109° ~ 30° | | | | |
| Angle of View (V) | 56° ~ 17° | | | | |
| Angle of View (O) | 131° ~ 35° | | | | |
| DORI | | | | | |
| DORI Distance | Lens (mm) | Detect (m) | Observe (m) | Recognize (m) | Identify (m) |
| | 2.7mm | 44.1 | 17.7 | 8.8 | 4.4 |
| | 3.6mm | 58.9 | 23.6 | 11.8 | 5.9 |
| | 6.0mm | 82.8 | 33.1 | 16.6 | 8.3 |
| | 13.5mm | 144.8 | 57.9 | 29.0 | 14.5 |
| Intelligence | | | | | |
| Face Detection | Supported | | | | |
| Smart Motion Detection | Supported | | | | |
| Perimeter Protection | Intrusion, Tripwire (support the classification of Human and Vehicle & Non-Motor) | | | | |
| Object Detection | Supported | | | | |
| People Counting | Supported | | | | |
| Heat Map | Supported | | | | |
| AI Search | Work together with NVR | | | | |
| Video | | | | | |
| Max Resolution | 4MP: 2560(H)*1440(V) / 2688(H)*1520(V)@25/30fps | | | | |
| Stream Capability | 3 Streams | | | | |
| Video Frame Rate | Main Stream: 4MP@1fps~25/30fps, Sub Stream: D1@1fps~25/30fps, Third Stream: 720P@1fps~25/30fps | | | | |
| Video Compression | H.265, H.264H, H.264M, H.264B | | | | |
| Smart Compression | H.265+, H.264H+, H.264M+, H.264B+, | | | | |
| Bit Rate Control | CBR / VBR | | | | |
| Video Bit Rate | H.265: 3 Kbps~20480 Kbps / H.264: 3 Kbps~20480 Kbps | | | | |
| U-code | Supported | | | | |
| Scalable Video Coding (SVC) | H.265 and H.264 Encoding (H.265+ (Ultra H.265)/H.265/H.264+/H.264/MJPEG) | | | | |
| OSD | Minimum 4 OSDs | | | | |
| Day/Night | Color / B/W | | | | |
| BLC | BLC Supported | | | | |
| HLC | HLC Supported | | | | |
| FLC | FLC Supported | | | | |
| WDR | Digital WDR ≥ 120dB | | | | |
| White Balance | Auto / Lock White Balance / Fluorescent Lamp / Filament Lamp / Fluorescent Lamp / HM | | | | |
| Gain Control | Auto / Manual | | | | |
| Noise Reduction | 3D NR (Auto / Manual) | | | | |
| Motion Detection | OFF/ON (4 Areas, Rectangular) | | | | |
| Image Rotation | Normal / Vertical / Horizontal / 0° / 90° / 180° | | | | |
| Mirror | Supported | | | | |

| | |
|---------------------------|---|
| Privacy Mask | Up to 4 Areas (programmable polygon privacy masks) |
| Audio | |
| Audio Encoding | G.711a, G.711Mu, G.726, G.726ASF |
| Audio Bite Rate | Minimum 64 Kbps or Higher |
| Reduce Echo | Supported |
| Noise Filtering | Supported |
| Built-in MIC | Supported |
| Built-in Speaker | N/A |
| Two-way Audio | N/A |
| Other Audio Function | N/A |
| Alarm | |
| Arming/Disarming | Supported |
| Sound Alarm | Optional |
| Light Alarm | Supported |
| Alarm Event | Disconnection; IP Conflict; No SD Card; Capacity Warning; SD Card Error |
| Linkage | FTP / E-mail, Notify Surveillance Center, Trigger Recording, Trigger Capture |
| Snapshot | Support JPEG Format |
| Security Features | Password |
| OSD | Channel Name, Date & Time, Image Overlay |
| Storage | Support FTP Storage |
| Network | |
| LAN Ports | RJ45*1, 10M /100M Base-T |
| Network Protocol | DHCP, DNS, DDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, ONVIF, P2P, PPPOE, QoS, RTP, RTSP, SMTP, SNMP, TCP/IP, UDP, UPnP, 802.1X |
| Protocol | ONVIF / CGI / P2P |
| Simultaneous Live View | Up to 16 channels |
| API | Open Network Video Interface Profile S, G, T, SDK |
| User/Host | 20 User (Total bandwidth: 80M), 2 user levels: administrator and user |
| Security | Password Protection, Complicated Password, HTTPS Encryption, 802.1X Authentication (EAP-MD5), Watermark, Basic and Digest, Authentication for HTTP/HTTPS, WSSE and Digest Authentication for Open Network Video Interface, RTP/RTSP over HTTPS, Security Audit log, TLS 1.2, TLS 1.3, Host Authentication (MAC address) |
| Video Management Software | IE / Web / PC Client Software / App |
| Mobile Client | iOS, Android |
| 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+ |
| Smooth Streaming | Yes |
| Interface | |
| Audio Input / Output | N/A |
| Alarm Input / Output | N/A |
| Storage | Support Max. 256G Micro SD / SDHC / SDXC(FAT32), FTP |
| General Parameter | |

| | |
|----------------------|---|
| Case | Metal for Indoor & Outdoor |
| Protection Level | IP67, IK10 |
| Temp. / Humidity | -30°C to +60°C (-22°F to +140°F)/Less than 95% RH |
| Storage Conditions | -40°C to +60°C (-40°F to +140°F) |
| Power Consumption | Basic: 2.5W, Max. 6.2W |
| Power Supply | DC12V 2A / POE (IEEE802.3af) |
| Lightning Protection | Power, Network, POE all Lightning Protection, Rating Surge Voltage: 6KV(10/700µs) |
| Dimension / Weight | 244(L)*76(W)*77(H)mm / 0.85KG |
| Approvals | |
| Certification | CE / FCC / RoHS |
| ISO | ISO9001 |