

## RBU7180KFAC-B

8MP Smart Dual Light Ultra Color Bullet Network Camera



### Key Features

- 1/2.7" progressive scan SONY STARVIS II™ CMOS
- Max. 8MP(3840×2160) @25fps resolution True WDR, 3D DNR, ROI, HLC, BLC, Defog
- Support face, human, vehicle detection and capture
- Intelligent analytics: intrusion, single line crossing, double line crossing, loitering, wrong-way, illegal parking, smart motion detection and people counting
- Built-in IR and warm lights, Smart illumination distance up to 30m
- Supports red and blue lights alarm linkage to warn intruder
- 1/1 audio in/out, 1/1 alarm in/out, built-in mic and speaker
- Built-in SD card slot, up to 1TB Micro SD card
- IP66 protection



## Technical Specification

### Camera

|                    |                                                            |
|--------------------|------------------------------------------------------------|
| Image Sensor       | 1/2.7" Progressive Scan SONY STARVIS II™ CMOS              |
| Max. Resolution    | 8MP (3840 × 2160)                                          |
| Electronic Shutter | Auto/Manual, 1/5 ~ 1/20,000s                               |
| Min. illumination  | Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with light on |
| Day & Night        | IR cut filter                                              |
| Wide Dynamic Range | True WDR 120DB                                             |
| Angle Adjustment   | Pan: 0° to 360°, Tilt: 0° to 90°, Rotation: 0° to 360°     |

### Lens

|                     |                                                               |
|---------------------|---------------------------------------------------------------|
| Lens Type           | Fixed focus                                                   |
| Iris                | Fixed Iris                                                    |
| Focal Length        | 2.8 mm, 4 mm                                                  |
| Max. Aperture       | F1.6                                                          |
| Field of View (FOV) | 2.8 mm<br>- H: 110.9°, V: 60°<br>4 mm<br>- H: 91.8°, V: 46.3° |

### DORI Distance

| Lens   | Detect            | Identify         | Recognize        | Observe           | Detect            |
|--------|-------------------|------------------|------------------|-------------------|-------------------|
| 2.8 mm | 84.2 m (276.2 ft) | 8.4 m (27.6 ft)  | 16.8 m (55.1 ft) | 33.7 m (110.6 ft) | 84.2 m (276.2 ft) |
| 4 mm   | 113 m (370.7 ft)  | 11.3 m (37.1 ft) | 22.6 m (74.1 ft) | 45.2 m (148.3 ft) | 113 m (370.7 ft)  |

DORI (Detect, Observe, Recognize, and Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances.



| Illuminator                 |                                                                                                                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Illuminator Type            | IR, Warm light                                                                                                                                                                                     |
| Illumination Distance       | IR distance up to 30 m (98.4 ft)<br>Warm light distance up to 20 m (65.6 ft)                                                                                                                       |
| Illumination On/Off Control | Auto/Manual                                                                                                                                                                                        |
| Intelligent Analytics       |                                                                                                                                                                                                    |
| Multi-Object Detection      | Supports face, human, vehicle detection and capture                                                                                                                                                |
| Intelligent Analysis        | Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking, and Smart motion detection<br>Support alarm triggering by specified target types (human and vehicle) |
| People Counting             | Support                                                                                                                                                                                            |
| Video and Audio             |                                                                                                                                                                                                    |
| Video Compression           | Support H.265+/H.265/H.264+/H.264                                                                                                                                                                  |
| Streaming Capability        | 3 Streams                                                                                                                                                                                          |
| Stream/Frame Rate           | Stream1: 2880×1620, 2560×1440, 2304×1296, 1920×1080, 1280×720 @ 25/30fps<br>Stream2: D1, VGA, CIF @ 25/30fps<br>Stream3: VGA, CIF, QVGA @25/30fps                                                  |
| Bit Rate Control            | CBR/VBR                                                                                                                                                                                            |
| Bit Rate                    | Stream1: 200 Kbps to 12 Mbps<br>Stream2: 100 Kbps to 6 Mbps<br>Stream3: 100 Kbps to 3 Mbps                                                                                                         |
| Region of Interest          | Off/On (8 areas, Rectangle)                                                                                                                                                                        |
| Smart Encode                | Support                                                                                                                                                                                            |
| Audio Compression           | G.711 A-law, G.711 $\mu$ -law, RAW PCM                                                                                                                                                             |
| Audio Bit Rate              | 64 Kbps (G.711), 128 Kbps (RAW_PCM)                                                                                                                                                                |



| Image             |                                                                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Adjustment  | Brightness, Sharpness, Contrast, Saturation adjustable                                                                                            |
| Scene Setting     | Indoor, Outdoor, Mirror, Corridor Mode                                                                                                            |
| Exposure Mode     | Auto, Manual, Shutter priority                                                                                                                    |
| White Balance     | Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual                                                                                             |
| Day/Night Setting | Auto, Day, Night, Timer                                                                                                                           |
| Noise Reduction   | 2D/3D DNR                                                                                                                                         |
| Image Enhancement | WDR, HLC, BLC, Defog                                                                                                                              |
| Privacy Masking   | 4 areas                                                                                                                                           |
| Event             |                                                                                                                                                   |
| Alarm Triggers    | IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection                                   |
| Event Action      | Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output, White light alarm output, Red and blue light alarm                     |
| Network           |                                                                                                                                                   |
| Protocols         | IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast |
| Interoperability  | ONVIF (Profile S/T/G/M), SDK, CGI                                                                                                                 |
| User/Host Level   | Up to 10 users, 3 levels: Administrator, Operator, Media user                                                                                     |
| Security          | IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x                                                                               |
| Web Viewer        | <IE11, Chrome, Firefox, Microsoft Edge                                                                                                            |

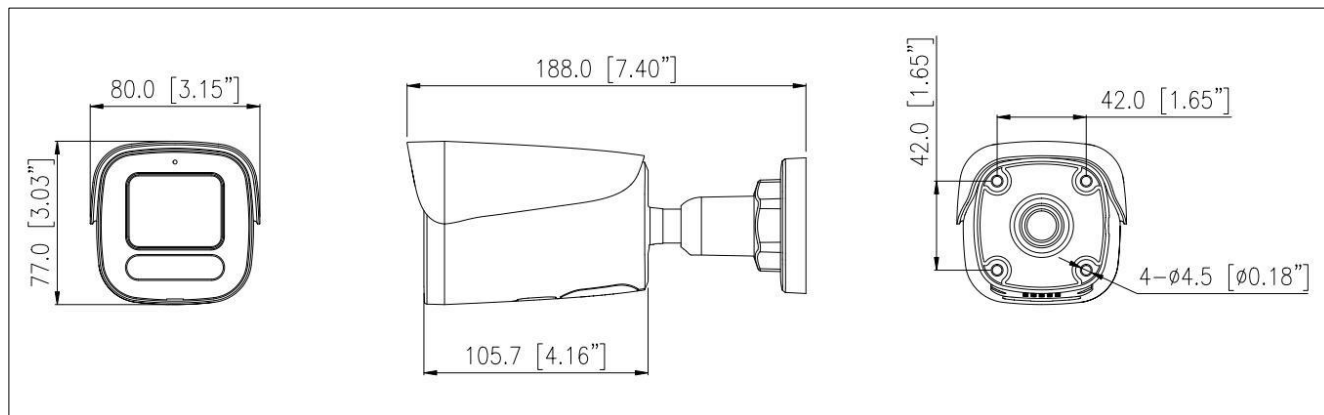
## Interface

|                     |                                            |
|---------------------|--------------------------------------------|
| Network Interface   | 1 Ethernet (10/100 Base-T) RJ-45 Connector |
| Built-in Microphone | Support                                    |
| Built-in Speaker    | Support                                    |
| Audio Interface     | 1ch Input, 1ch Output                      |
| Alarm Interface     | 1ch Input, 1ch Output                      |
| SD Card Slot        | Built-in, up to 1 TB                       |
| Reset Button        | Support                                    |

## General

|                       |                                                                                                                                                                                                                    |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Language              | English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English                                                                                                        |
| Power Supply          | 12 VDC (-15% to +25%)/PoE (802.3af)                                                                                                                                                                                |
| Power Consumption     | Basic: 2 W (without light), Max 9.5 W (light on + red and blue lights deterrence + speaker)                                                                                                                        |
| Operating Temperature | -30°C to 60°C (-22°F to 140°F )                                                                                                                                                                                    |
| Operating Humidity    | Less than 90% RH                                                                                                                                                                                                   |
| Ingress Protection    | IP66                                                                                                                                                                                                               |
| Certifications        | CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A12021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014)<br>FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014) |
| Material              | Aluminum alloy body                                                                                                                                                                                                |
| Dimensions            | 188.0 × 80 × 77 mm (7.40 × 3.15 × 3.03 inch)                                                                                                                                                                       |
| Net Weight            | 0.58 kg (1.28 lb)                                                                                                                                                                                                  |

## Dimensions (mm)



## Accessories

Optional :

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| <b>RSN-CBK656A</b><br>Junction Box                                                  | <b>RSN-CBK627D</b><br>Pole Mount                                                    |