

## RBU8080AKAN-Z

8MP IR Motorized Varifocal Bullet Network Camera



### Key Features

- 1/2.8" STARVIS™ CMOS
- Max. 8MP(3840 × 2160) @25/30 fps resolution
- 2.7 to 13.5 mm, 5 to 50 mm motorized lens optional
- 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 detection, smart motion detection, and people counting
- Smart IR distance up to 60 m or 100 m
- 1/1 audio input/output, 1/1 alarm input/output
- Built-in micro SD card slot
- IP67, IK10



## Technical Specification

Camera	
Image Sensor	1/2.8" Progressive Scan SONY STARVIS II™ CMOS
Max. Resolution	8MP (3840 × 2160)
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000 s
Min. illumination	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
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	Varifocal lens, Motorized focal
Iris	Fixed Iris
Focal Length	2.7 to 13.5 mm, 5 to 50 mm
Max. Aperture	F1.6 / F2.0
Field of View (FOV)	- H: 102.7° to 30.2°, V: 53.8° to 16.8° 5 to 50 mm - H: 50.5° to 8.4°, V: 27.5° to 4.8°
DORI Distance	
DORI Distance	2.7 to 13.5 mm: Wide: D: 88 m (288.7 ft), O: 35.2 m (115.5 ft), R: 17.6 m (57.7 ft), I: 8.8 m (28.9 ft) Tele: D: 280 m (918.6 ft), O: 112 m (367.5 ft), R: 56 m (183.7 ft), I: 28 m (91.9 ft) 5 to 50 mm: Wide: D: 187 m (613.5 ft), O: 74.8 m (245.4 ft), R: 37.4 m (122.7 ft), I: 18.7 m (61.4 ft) Tele: D: 1,118 m (3,668.0 ft), O: 447.2 m (1467.2 ft), R: 223.6 m (733.6 ft), I: 111.8 m (366.8 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.



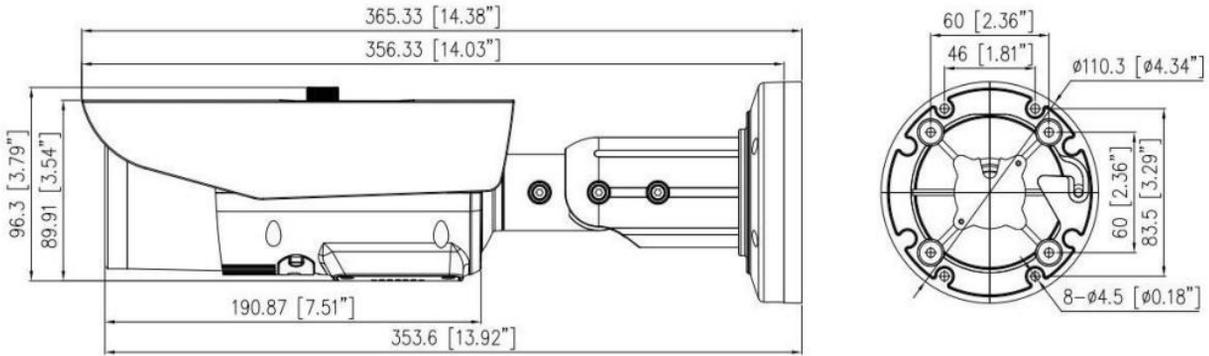
<b>Illuminator</b>	
Illuminator Type	IR
Illumination Distance	2.7 to 13.5 mm - Up to 60 m (196.9 ft) 5 to 50 mm - Up to 100 m (328.1 ft)
Illumination On/Off Control	Auto/Manual
IR wavelength	850 nm
<b>Intelligent Analytics</b>	
Multi-Object Detection	Supports face, human, vehicle detection and capture
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking, and Smart motion detection Support alarm triggering by specified target types (human and vehicle)
People Counting	Support
<b>Video and Audio</b>	
Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 3840 × 2160, 2592 × 1944, 2592 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720 @25/30 fps Stream2: D1, VGA, CIF @25/30 fps Stream3: VGA, CIF, QVGA @25/30 fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200 Kbps to 16 Mbps Stream2: 100 Kbps to 6 Mbps Stream3: 100 Kbps to 3 Mbps
Smart Encoder	Support
Region of Interest (ROI)	Off/On (8 Zone, Rectangle)
Audio Compression	G.711 A-law, G.711 $\mu$ -law, RAW PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)



<b>Image</b>	
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
<b>Event</b>	
Alarm Triggers	IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Alarm Events	Alarm record, SMTP upload, FTP upload, Alarm output, Audible alarm output
<b>Network</b>	
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
Max Concurrent Streams	10 channels
User/Host Level	32+ users, 3 levels: Administrator, Operator, Media user
Security	IP address filter, HTTPS, Illegal login lock, IEEE 802.1x
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge

<b>Interface</b>	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch Input, 1ch Output
Alarm Interface	1ch Input, 1ch Output
SD Card Slot	Built-in, up to 256GB
Reset Button	Support
<b>General</b>	
Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English
Power Supply	DC12V (-15% to +25%)/PoE ( 802.3af)
Power Consumption	Basic: Max 3.4 W (without light) Max. (Focus + WDR + IR on): 10.5 W
Operating Temperature	-40°C to 55°C (-40°F to 131°F )
Operating Humidity	Less than 90% RH
Ingress Protection	IP67, IK10
Certifications	CE-EMC (EN 55032:2015+A11:2020, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-6-3:2007+A1:2011+AC:2012, EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)
Material	Aluminum alloy
Dimensions	φ110.3 × 365.33 mm (φ4.34 × 14.38 inch)
Net Weight	1.45 kg (3.2 lb)

## Dimensions (mm)



## Accessories

Optional :

			
RCBK645G Junction Box	RCBK627D Pole Mount	RCBK101 Pole Mount	RCBK102 Corner Mount