

MODEL #

B9Z2812IP4MP-AI-KIT

Onvif® | GSD

NDA
Conforms

AI



4G WiFi NETWORK CAMERA



4MP
RESOLUTION



4MP
Resolution

2.8-12MM
Motorized Lens



Solar
Powered



4G Wireless
Connection



Dual Light Modes -
See in Color at Night



Solar Panel
Battery Included



Two-Way
Communication



Audio/Alarm
In/Out



Waterproof &
Dustproof IP67



Wind Resistance
Level 12

The **B9Z2812IP4MP-AI-KIT** 4G Network Camera delivers crisp 4MP resolution with a 2.8–12mm motorized lens and full-color night vision. Featuring dual light modes, two-way audio, and alarm I/O, it provides intelligent, real-time protection. Fully standalone with battery power, 4G connectivity, and an included solar panel, it's ideal for remote or off-grid use. With IP67 weatherproofing and Level 12 wind resistance, it's built for rugged, all-weather performance.





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MODEL #

VIDEO

Imaging Device	1/1.8"
Effective Pixels	4MP 2688(H)×1520(V)
Scanning System	Progressive CMOS
Min. Illumination	Color 0.0005lux @ F1.0(AGC ON) ; B/W 0 lux @ IR ON

LENS TYPE

Focal Length (Zoom Ratio)	2.8-12mm
Max. Aperture Ratio	F No. 1.2
Angular Field of View	Horizontal: 110-40°, Vertical: 57-22°, Diagonal: 137-46°
Min. Object Distance	W:1.75m, T: 5.21m
Lens Type	Ø16.7

OPERATIONAL

IR LED	4
WarmLight	4
IR Viewable Length	Up to 30m/Full Power Mode Up to 20m/Low Power Mode
WarmLight Viewable Length	Up to 25m
Type of complementary light	Default warm light, switchable infrared light
Motion Detection	Off/On (8 Level)
Wide Dynamic Range	WDR
Digital Noise Reduction	3D DNR
Image Setting	Full Color Mode/Day&Night Mode/Smart Illuminaion
White Balance	Auto/Manual
Electronic Shuter Speed	1/5 ~ 1/20000s
On-Board Storage	Micro SD slot, up to 256GB
Alarm	1 input, 1 output
Audio	1 input (RCA), 1 output (RCA), Built-in microphone & speaker
Custom Voice	Yes
Hardware Reset	Yes
AI Features	Pedestrian & Vehicle, Line Crossing, Object Detection, Crossing Counting, Heat Map, Crowd Density, Queue Length, Rare Sound, Intrusion, Region Entrance, Region Exiting

NETWORK

Ethernet	RJ45(10/100BASE-T)
Video Compression Format	H.265/H.264/H.265+/H.264+/MJPEG
Resolution	Main Stream: 4MP (2688x1520), 3MP (2304x1296), 1080P (1920x1080), 720P(1280x720) Sub Stream: 720P(1280x720), VGA(640x480), QVGA(320x240) Mobile Stream: VGA (640x480), QVGA (320x240)
Video Quality Ajustment	256Kbps ~ 8Mbps
Bitrate control method	CBR/VBR
IP	IPV6
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP
Security	IP address filter; complicated password; Authenticated username and password
Application Programming Interface	ONVIF(Profile S/G/T)
Web Viewer	IE10/11, Safari V12.1 above, Firefox V.52 above Google chrome V.57 above, Edge V.79 above

MOBILE COMMUNICATION

SIM Card Type	Micro SIM
Frequency	LTE-TDD: Band 38/39/40/41; LTE-FDD: Band 1/2/3/4/5/7/8/12/13/18/19/20/25/26/28; WCDMA: Band 1/2/4/5/6/8/19
GSM	GSM850/EGSM900/DCS1800/PCS1900

INTERFACES

Network	1 RJ45 10M/100M self-adaptive Ethernet port
Wi-Fi	IEEE802.11b/g/n; 2.4G

ENVIRONMENTAL

Operating Conditions	-20°C to 60°C (-4°F to 140°F). Humidity 95% or less (non-condensing)
Ingress Protecion	Camera: IP67, Wind Resistance 12 level

BATTERY

Battery Type	Lithium
Capacity	8.4 Ah x 4 packs
Battery Voltage	10.8V
Max. Output Voltage	12.6V
Operating Temperature	Charging: -20 °C to 45 °C (-4 °F to 113 °F) Discharging: -20 °C to 60 °C (-4 °F to 140 °F)
Battery Life	More than 500 cycles
Battery Weight	678gx 4 packs





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ELECTRICAL

Power 4-pin waterproof connector
 3.5DC connector
 60W (deviation: ± 2 W) Solar panels/max.Voltage 14.8V
 Max.8.7W/Full Power Mode

Material Metal

DIMENSIONS

