

GLOBAL-KING
International Co., Ltd.

Global-King Network Camera

AI Motorized Pro Dome Network Camera



Feature

Model：GK8172C-RFPG1

Feature

- NDAA Compliance
- AI Deep Learning
- 1/2.8" STARVIS Starlight Sensor
- 120dB Super WDR
- 0.009Lux Ultra Low-light
- 50m IR Distance
- 60fps High Frame Rate
- Robust Performance with IP67 & IK10
- Audio Out | Alarm I/O | PoE | DC12V
- Recessed Installation



Specification

Products Specification

Model	GK8172C-RFPG1
Image Sensor	1/2.8″ Progressive Scan CMOS
Min. Illumination	Color：0.009Lux @F1.4 ｜ B/W：0Lux with IR on
WDR	120dB Super WDR
Shutter Time	1~1/100,000s
Day/Night Mode	Day ｜ Night ｜ Auto ｜ Customize ｜ Schedule
DORI Distance	D：95.7m ~ 268m ｜ O：37.6m ~ 106m ｜ R：18.8m ~ 52.8m ｜ I：9.5m ~ 26.4m
S/N	>55dB
Illuminator Number	3
IR Wave Length	850nm
Illumination Distance	Up to 50m
Illuminator On/Off Control	Auto ｜ Manual
Lens	2.7~13.5mm
Field of View	H100.2° ~ H30.7° ｜ D117.1° ~ D35.5° ｜ V53.2° ~ V17.1°
Close Focus Distance	W：1m ｜ T：1m
Camera Angle Adjustment	Pan：0°~355° ｜ Tilt：0°~80° ｜ Rotation：0°~355°
Focus Control	Auto ｜ Manual
Aperture	Max. F1.4
Iris Type	Fixed
Resolution	3840(H) x 2160(V)
Primary Stream	60Hz：60fps@(3840x2160 ｜ 3072x2048 ｜ 2592x1944 ｜ 2592x1520 ｜ 2048x1536 ｜ 1920x1080 ｜ 1280x960 ｜ 1280x720) 50Hz：50fps@(3840x2160 ｜ 3072x2048 ｜ 2592x1944 ｜ 2592x1520 ｜ 2048x1536 ｜ 1920x1080 ｜ 1280x960 ｜ 1280x720)
Secondary Stream	60Hz：60fps@(704x576 ｜ 640x480 ｜ 640x360) 50Hz：50fps@(704x576 ｜ 640x480 ｜ 640x360)

Tertiary Stream	60Hz：30fps@(1920x1080 | 1280x720 | 704x576 | 640x480 | 640x360) 50Hz：25fps@(1920x1080 | 1280x720 | 704x576 | 640x480 | 640x360)
Quaternary Stream	60Hz：10fps@(1280x720) | 30fps@(704x576 | 640x480 | 640x360) 50Hz：10fps@(1280x720) | 25fps@(704x576 | 640x480 | 640x360)
Video Compression	H.265+ | H.265 (HEVC) | H.264+ | H.264 | MJPEG
Video Bit Rate	16Kbps~16Mbps (CBR /VBR Adjustable)
Privacy Masking	Up to 8 Areas (Mask Area and Mosaic Area are optional)
ROI	Up to 8 areas
Image Settings	Brightness | Contrast | Saturation | Sharpness
Image Rotation	Off | Rotating 180° | Flip Horizontal | Flip Vertical | Clockwise 90° | Anticlockwise 90°
Image Enhancement	BLC | HLC | 2D DNR | 3D DNR | AGC | Defog | AWB | Deblur | Anti-flicker | LDC | DIS
Hybrid Zoom	Up to 40X
Network Storage	NAS (Support NFS /SMB /CIFS) | ANR
Network Protocols	IPv4/IPv6 | ARP | TCP | UDP | RTCP | RTP | LLDP | RTSP | RTMP | HTTP | HTTPS | DNS | DDNS | DHCP | FTP | NTP | SMTP | SNMP | UPnP | Bonjour | SIP | VPN | PPPoE | VLAN | 802.1x | QoS | IGMP | ICMP | SSL | TLS1.2
Ethernet	1xRJ45 10M/100M Ethernet Port
Audio I/O	Built-in Microphone and Standard 1 Audio Output interface
Alarm I/O	1CH | 1CH
Audio Compression	G.711 | AAC | G.722 | G.726
Audio Sampling Rate	8 /16 /32 /44.1 /48KHz
Audio Bit Rate	16~256kbps
Video Analysis	VCA 2.0：Intrusion Detection | Region Entrance | Region Exiting | Advanced Motion Detection | Line Crossing | Loitering | Object Left | Object Removed
Attribute Extraction	Simultaneously detect up to 50 targets and capture humans and vehicles in real time. Recognize attributes including Upper and Lower Clothing Color, Hat, and Vehicle Types (Bicycle | Car | Motorcycle | Bus | Truck | E-scooter).

Face Detection & Face Attribute Recognition	Detect and capture faces, get real-time snapshots; The attributes include Age, Gender, Glasses, Mask and Cap, Support Faces Privacy Mode, the detected faces in the face detection area will be mosaic automatically.
Object Counting & Report	Count the number of objects crossing the line, optionally human and vehicle | Support regional people counting for up to 4 detection areas
Heat Map	The built-in statistical behavior analysis enables you to identify the busiest areas within the environment
Sound Classification	Supports recognition of Gunshot, Glass Break, and Screaming with instant alarm triggering
Hard Hat Detection	Detect whether individuals are wearing safety hats. Trigger an alarm when a person is identified without a hard hat
Privacy Protection	Automatically detect faces or human bodies in the video stream and overlay mosaic effects. Supported on Primary Stream/Secondary Stream, Compatible with H.265 /H.264 formats
Fall Detection	Detect a person's fall and trigger an alarm to alert others for timely assistance
Violence Detection	Identify violent behavior and trigger an alarm to alert others to intervene or prevent the action
One-Click Disarm	Support
Basic Event	Motion Detection | Tamper Detection | Audio Alarm | External Input | External Output, etc.
Exception	Network Disconnection | IP Address Filtering | Record Failed | SD Card Full | SD Card Uninitialized | SD Card Error | No SD Card
Event Action	FTP Upload Record | SMTP Upload Record | SD Card Record | Snapshot | External Output | Play Audio | SIP Phone | HTTP Notification, etc.
Watermark	Support
Storage	Support microSD/SDHC/SDXC Card Local Storage | up to 1TB
SIP/VoIP	Yes | Voice & Video-over-IP
System Compatibility	ONVIF Profile G & M & S & T | API
Working Temperature	-40ºC~60ºC
Working Humidity	0~95% (Non-condensing)
Power Supply	PoE (802.3af) | DC10V~DC28V
Power Consumption	Min.：4.4W (DC) / 5.5W (PoE) | 24 Hour Average：5.6W (DC) / 6.9W (PoE) Max.：9.7W (DC) / 12W (PoE)

Weight	Net Weight：Approx. 1.3kg｜Gross Weight：Approx. 1.6kg
Dimensions	⌀143 x 108.4 mm
Certification	CE｜FCC｜IP67｜IK10｜NDAA

Information correct as of print.
Slight specification variations may occur due to product enhancement to optimize functionality

Accessories

Product Accessories



A02 V2 Pole Mount

Weight: 1kg
Dimension: 180*138.5*47mm
Installation Environment: For strapping cameras on poles between ϕ67–127 mm (2.6–5 inches) in diameter



A03 External Corner Bracket

Weight: 900g
Dimension: 180*152.5*76mm
Installation Environment: For mounting cameras on an external corner



A42-L Extension Lever

Weight: 330g
Dimension: Φ 47.5*255mm
Installation Environment: Used as extensions for pendant mount



A72 V2 Wall Mount

Weight: 575g
Dimension: 242*145*133mm
Installation Environment: For wall or parapet installations



AC-72 Smoked Dome Cover

Weight: 39g
Dimension: Φ100*56mm
Installation Environment: For concealing where a camera is pointed



A75 Junction Box

Weight: 200g
Dimension: 145*167*33.5mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and deter tampering



A76 V2 Pendant Mount

Weight: 620g
Dimension: Φ 145*L (L is default as 290mm, also can be extended with A42-L)
Installation Environment: Used to install cameras on a ceiling or horizontal structure

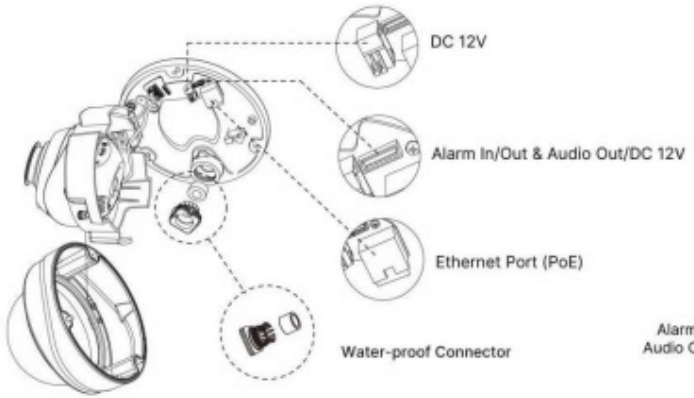


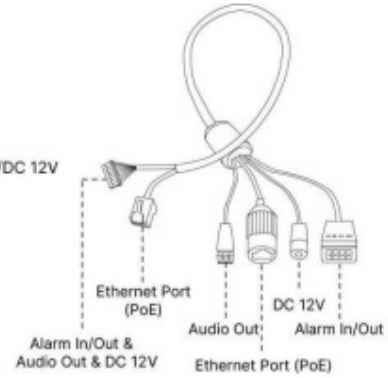
A78 Recessed Mount

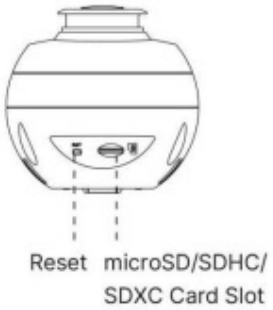
Weight: 715g
Dimension: Φ256*94mm
Installation Environment: For in-ceiling installations

Dimension



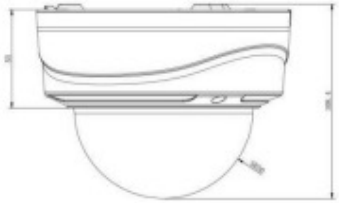






Note: The cable is connected with the interface board by default.







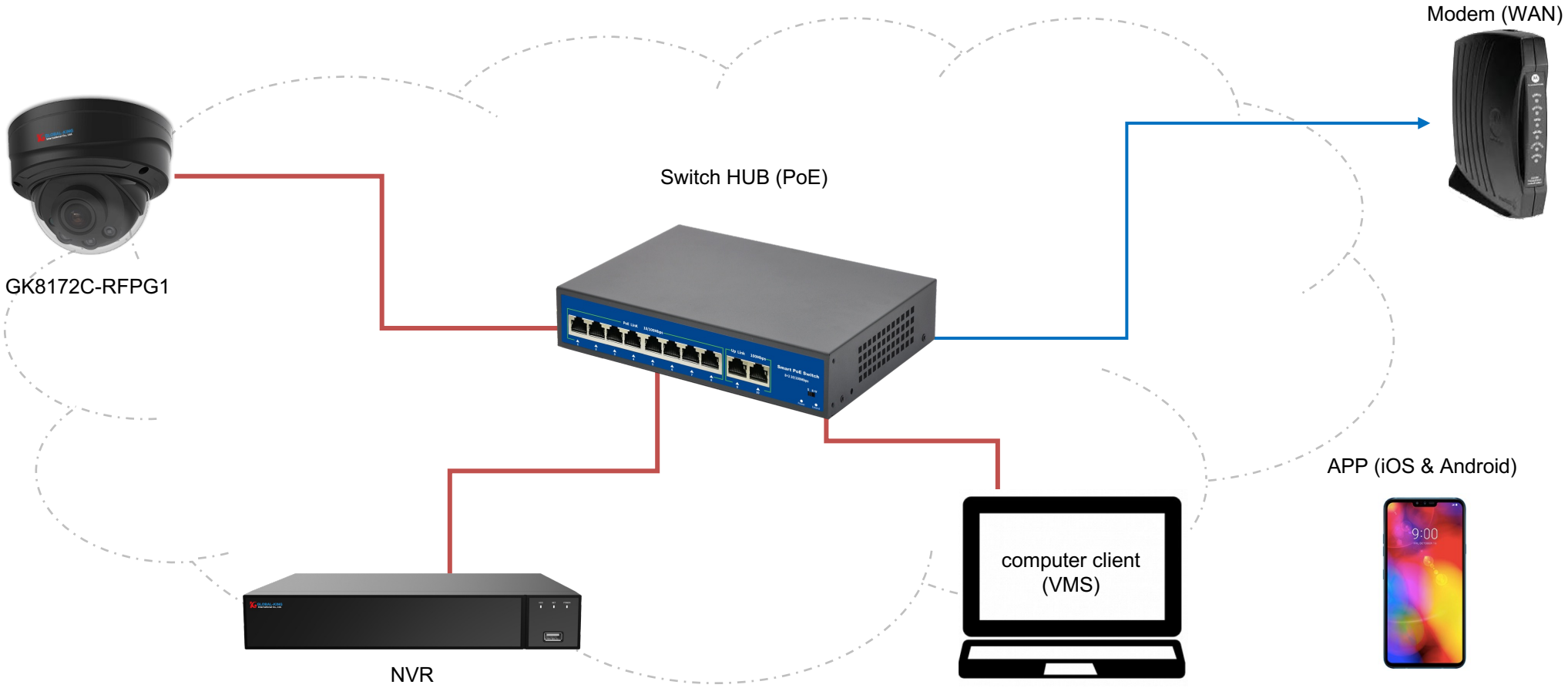
AI Motorized Pro Dome Network Camera | Dimensions

Architecture diagram

AI Motorized Pro Dome Network Camera | Infrastructure

- IP Camera (GK8172C-RFPG1)
- Switch HUB (PoE)
- NVR
- VMS Software
- APP (iOS & Android)
- Internet (ISP modem)

Infrastructure



AI Motorized Pro Dome Network Camera | Infrastructure



ThankYou

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