

GLOBAL-KING
International Co., Ltd.

Global-King Network Camera

AI TrueColor Dome Network Camera



Feature

Model：GK8131CQ-HYPG1

Feature

- NDAA compliant products
- 8MP Resolution
- AI ISP | F1.0 Aperture | 1/2.7”Sensor
- Smart Hybrid Light
- Blue & Red Flashing Lights
- Built-in Dual Mic & Speaker
- VCA 2.0 | Object Counting | Face Capture | Heat Map
- Digital Image Stabilization (DIS)
- One Screwdriver Design
- IP67 | IK10



Specification

Products Specification

Model	GK8131CQ-HYPG1
Image Sensor	1/2.7” Progressive Scan CMOS
Min. Illumination	Color：0.004lux@F1.0 (Color, 30 IRE)｜B/W：0 lux (Illuminator on)
WDR	120dB Super WDR
Shutter Time	1~1/100,000s
Day/Night Mode	Day｜Night｜Auto｜Customize｜Schedule
DORI Distance	2.8mm：D：89.5m｜O：35m｜R：17.5m｜I：8.5m 4.0mm：D：112m｜O：44m｜R：22m｜I：11m
S/N	>56dB
Illuminator Type	3xSmart Hybrid Lights (Mixed IR and White Warm Lights)
IR Wave Length	850nm
Illumination Distance	Up to 40m (IR Light)｜Up to 30m (White Warm Light)
Illuminator On/Off Control	Auto｜Manual
Smart Hybrid Lights	Support
Red and Blue Flashing Lights	1xRed Light｜1xBlue Light
Lens	Standard: 4.0 mm | Optional: 2.8 mm
Aperture	F1.0
Field of View	2.8mm：H：111˚｜V：58.5˚｜D：136˚ 4.0mm：H：92˚｜V：50˚｜D：108.5˚
Camera Angle Adjustment	Pan：0˚ ~ 360˚｜Tilt: 0˚ ~ 90˚｜Rotation：0˚ ~ 360˚
Close Focus Distance	2.8mm：1m｜4mm：1.5m
Resolution	3840(H) x 2160(V)
Primary Stream	60Hz：30fps@ (3840x2160｜3200x1800｜2688x1520｜1920x1080｜1280x720) 50Hz：25fps@ (3840x2160｜3200x1800｜2688x1520｜1920x1080｜1280x720)

Secondary Stream	60Hz：30fps@(704x576 | 640x480 | 640x360) 50Hz：25fps@(704x576 | 640x480 | 640x360)
Tertiary Stream	60Hz：30fps@ (1920x1080 | 1280x720 | 704x576 | 640x480 | 640x360) 50Hz：25fps@ (1920x1080 | 1280x720 | 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 Enhancement	BLC	HLC	2D DNR	3D DNR	AWB	Defog	AGC	LDC	Anti-flicker	Deblur, etc.
Image Rotation	Off	Rotating 180°	Flip Horizontal	Flip Vertical	Clockwise 90°	Anticlockwise 90°
Built-in Microphone	Yes	Dual Microphone
Built-in Speaker	Yes	max. sound pressure level：10cm/95dB
Audio Compression	G.711	AAC	G.722	G.726
Audio Sampling Rate	8 /16 /32 /44.1 /48KHz
Audio Bit Rate	16~256kbps
Ethernet	1xRJ45 10M/100M Ethernet Port
Network Storage	NAS (Support NFS /SMB /CIFS)	ANR
Network Protocols	IPv4/IPv6	ARP	TCP	UDP	RTCP	RTP	RTSP	RTMP	HTTP	HTTPS	DNS	DDNS	DHCP	FTP	NTP	SMTP	SNMP	UPnP	Bonjour	LLDP	SIP	PPPoE	VLAN	802.1x	QoS	IGMP	ICMP	SSL	TLS 1.2
Video Analysis	VCA 2.0: Intrusion Detection	Region Entrance	Region Exiting	Advanced Motion Detection	Line Crossing	Loitering	Object Left	Object Removed
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
Face Capture	Capture faces, get real-time snapshots and integrate with third-party systems for advanced analysis

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, etc.
Event Action	FTP Upload | SMTP Upload | Snapshot | Record | External Output | Play Audio | Alarm to SIP Phone | HTTP Notification | Warning Light, etc.
Watermark	Support
Storage	Support Micro SD/SDHC/SDXC Card Local Storage | up to 1TB
SIP/VoIP	Yes | Voice & Video-over-IP
System Compatibility	ONVIF Profile G&M&S&T | One API
Power Supply	PoE (802.3af) | DC12V±25%
Working Temperature	-40ºC~60ºC
Working Humidity	0~95% (Non-condensing)
Surge Protection	4KV
Power Consumption	Min.：4W (DC12V) / 5W (PoE) | Max.：10W (DC12V) / 11.5W (PoE)
Casing Material	Metal
Net Weight	Net Weight：Approx. 0.9kg | Gross Weight：Approx. 1.1kg
Dimensions	⌀122mm x 108mm
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



A01 V3 Pole Mount

Weight: 625g
Dimension: 140*136*46mm
Installation Environment: For strapping cameras on poles between 102-127mm(4.1-5 inches) in diameter



A02 V2 Pole Mount

Weight: 1kg
Dimension: 180*138.5*47mm
Installation Environment: For strapping cameras on poles between ϕ67-127mm (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



A71 Wall Mount

Weight: 530g
Dimension: 162*124*78mm
Installation Environment: Used to install cameras on an wall or vertical structure



A72 V2 Wall Mount

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



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



A83 V2 Junction Box

Weight: 640g
Dimension: Φ145*177.7*58mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and deter tampering

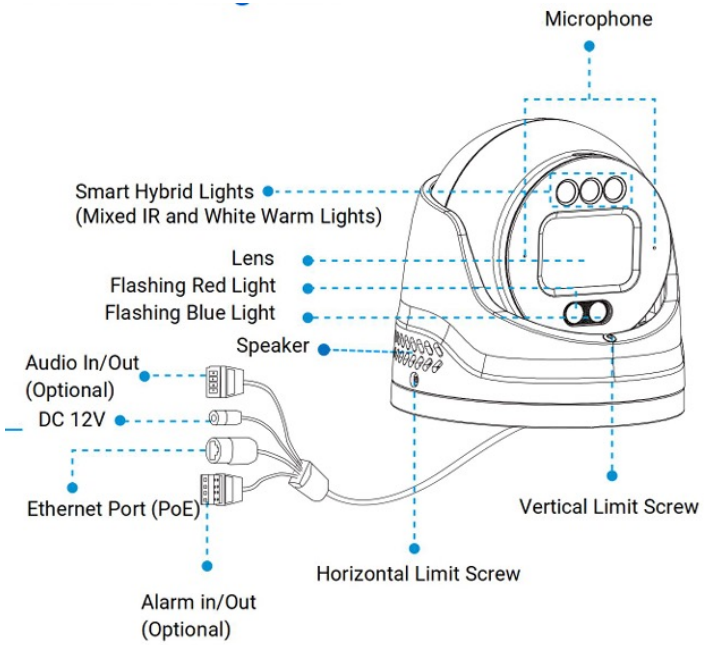


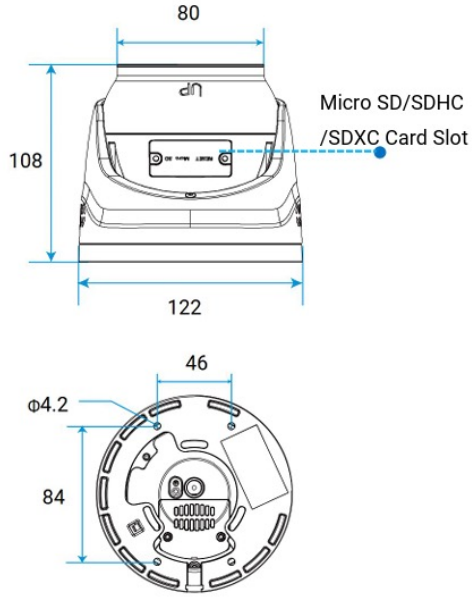
A84 Junction Box

Weight: 360g
Dimension: Φ137*47.6mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and delete tampering

Dimension







Units: mm

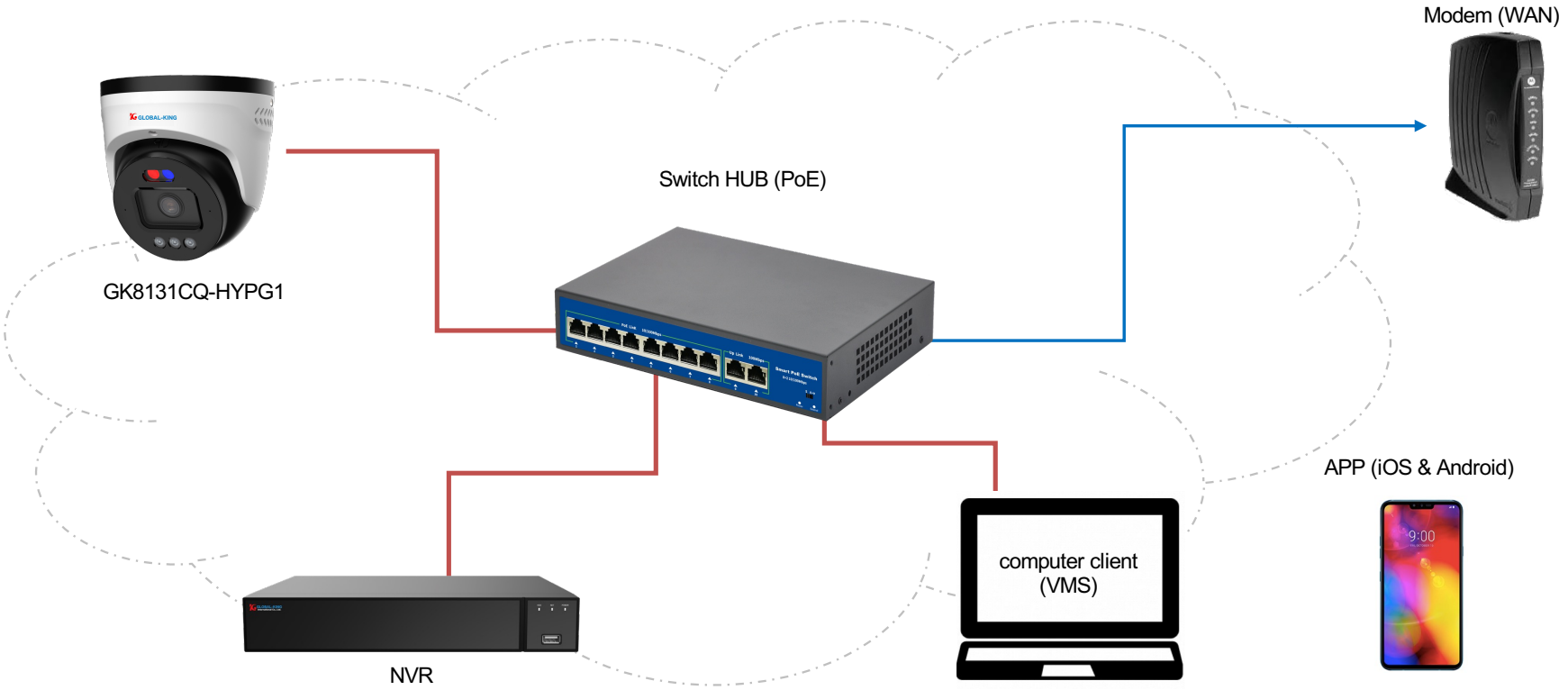
AI TrueColor Dome Network Camera | Dimensions

Architecture diagram

AI TrueColor Dome Network Camera | Infrastructure

- IP Camera (GK8131CQ-HYPG1)
- Switch HUB (PoE)
- NVR
- VMS Software
- APP (iOS & Android)
- Internet (ISP modem)

Infrastructure



AI TrueColor Dome Network Camera | Infrastructure



ThankYou

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