

GLOBAL-KING
International Co., Ltd.

Global-King Network Camera

AI TrueColor Bullet Network Camera



Feature

Model：GK8168CQ-HYPG1

Feature

- NDAA compliant products
- 8MP Resolution
- AI ISP | F1.0 Aperture | 1/1.8” 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	GK8168CQ-HYPG1
Image Sensor	1/2.7” Progressive Scan CMOS
Min. Illumination	Color：0.004lux@F1.0 (Color 30IRE)｜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 microSD /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
Working Temperature	-40ºC~60ºC
Power Supply	PoE (802.3af) | DC12V±25%
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
Weight	Net Weight：Approx. 0.9kg | Gross Weight：Approx. 1.0kg
Dimensions	⌀85mm x 205mm
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



A03 External Corner Bracket

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

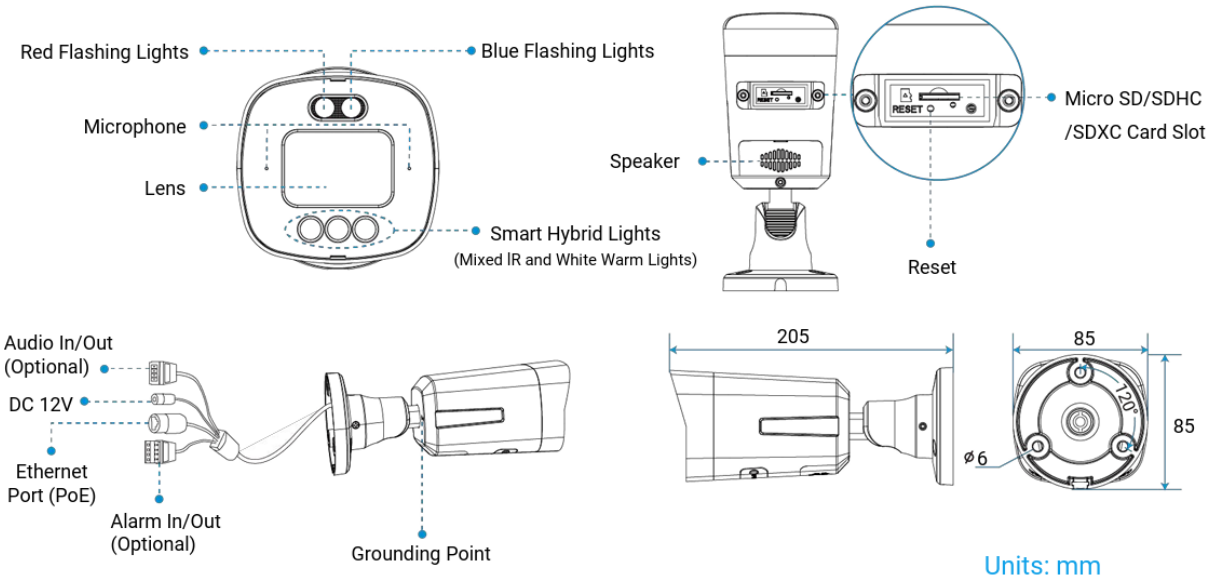


A63 Junction Box

Weight: 620g
Dimension: 134*126*40mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and deter tampering

Dimension





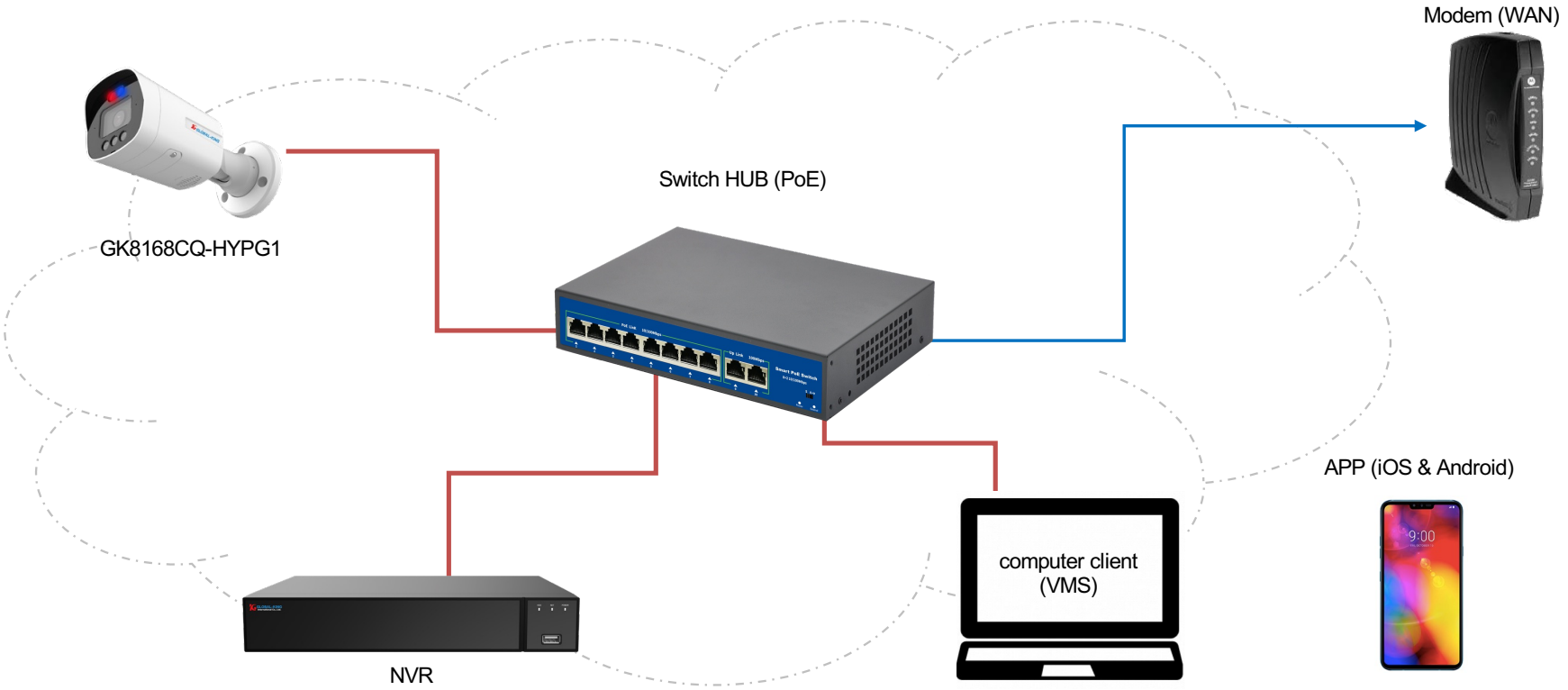
AI TrueColor Bullet Network Camera | Dimensions

Architecture diagram

AI TrueColor Bullet Network Camera | Infrastructure

- IP Camera (GK8168CQ-HYPG1)
- Switch HUB (PoE)
- NVR
- VMS Software
- APP (iOS & Android)
- Internet (ISP modem)

Infrastructure



AI TrueColor Bullet Network Camera | Infrastructure



ThankYou

2026/4/7

+886-2-77303779

service@global-king.com

www.global-king.net

GLOBAL-KING
International Co, Ltd.