

GLOBAL-KING
International Co., Ltd.

# Global-King Network Camera

AI Motorized TrueColor Bullet Network Camera



# Feature

Model：GK8168CQ-FHYPG1

# Feature

- NDAA compliant products
- 8MP
- AI ISP & F1.2 Aperture & 1/2.65”Sensor
- Up to 60m IR Distance
- Smart Hybrid Light
- Blue & Red Flashing Lights
- Built-in Dual Mic & Speaker
- VCA 2.0 & Object Counting & Face Capture & Heat Map
- Electric Image Stabilization (EIS)
- One Screwdriver Design
- IP67 & IK10



# Specification

## Products Specification

| Model | GK8168CQ-FHYPG1 |
|---|---|
| **Image Sensor** | 1/2.65” Progressive Scan CMOS |
| **Min. Illumination** | Color：0.004 lux@F1.2 (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** | D：93.9m~304m｜O：37m~120m｜R：18.5m~59.8m｜I：9.3m~29.9m |
| **OODPCVS** | O (W 105.3 / T 304.7)｜O (W 52.7 / T 152.4)｜D (W 26.3 / T 76.2)｜P (W 16.9 / T 48.8)｜C (W 8.5 / T 24.4)｜V (W 4.3 / T 12.2)｜S (W 1.4 / T 4.1) |
| **S/N** | >56dB |
| **Illuminator Type** | 4xSmart Hybrid Lights (Mixed IR and White Warm Lights) |
| **IR Wave Length** | 850nm |
| **Illumination Distance** | Up to 60m (IR Light)｜Up to 60m (White Warm Light) |
| **Illuminator On/Off Control** | Auto｜Manual |
| **Smart Hybrid Lights** | Support |
| **Red and Blue Flashing Lights** | 1xRed Light｜1xBlue Light |
| **Lens** | 2.7~13.5mm |
| **Aperture** | F1.2 |
| **Field of View** | H100.2˚~H27˚｜V117.9˚~V31.1˚｜D51.9~D15.1˚ |
| **Close Focus Distance** | 0.5m |
| **Camera Angle Adjustment** | Pan：0˚ ~ 360˚｜Tilt：0˚ ~ 90˚｜Rotation：0˚ ~ 360˚ |
| **Resolution** | 3840(H) x 2160(V) |
| **Primary Stream** | 60Hz：30fps@(3840x2160｜3200x1800｜2688x1520｜1920x1080｜1280x720)<br>50Hz：25fps@(3840x2160｜3200x1800｜2688x1520｜1920x1080｜1280x720) |

| | |
|---|---|
| **Secondary Stream** | 60Hz：30fps@(704x576 \| 640x480 \| 640x360)<br>50Hz：25fps@(704x576 \| 640x480 \| 640x360) |
| **Tertiary Stream** | 60Hz：30fps@(1920x1080 \| 1280x720 \| 704x576 \| 640x480 \| 640x360)<br>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) |
| **AI ISP** | NA |
| **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 |
| **Alarm I/O** | 1CH \| 1CH |
| **Audio I/O** | 1CH \| 1CH |
| **Power Supply** | PoE (802.3af) \| DC12V±25% |
| **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 |
| **Working Temperature** | -40ºC~60ºC |
| **Working Humidity** | 0~95%(Non-condensing) |
| **Surge Protection** | 4KV |
| **Power Consumption** | Min.：3.74W (DC12V) / 4.59W (PoE)｜Max.：11.91W (DC12V) / 14.35W (PoE) |
| **Casing Material** | Metal |
| **Weight** | Net Weight：Approx. 1.0kg｜Gross Weight：Approx. 1.2kg |
| **Dimensions** | 97 x 88 x 230mm |
| **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

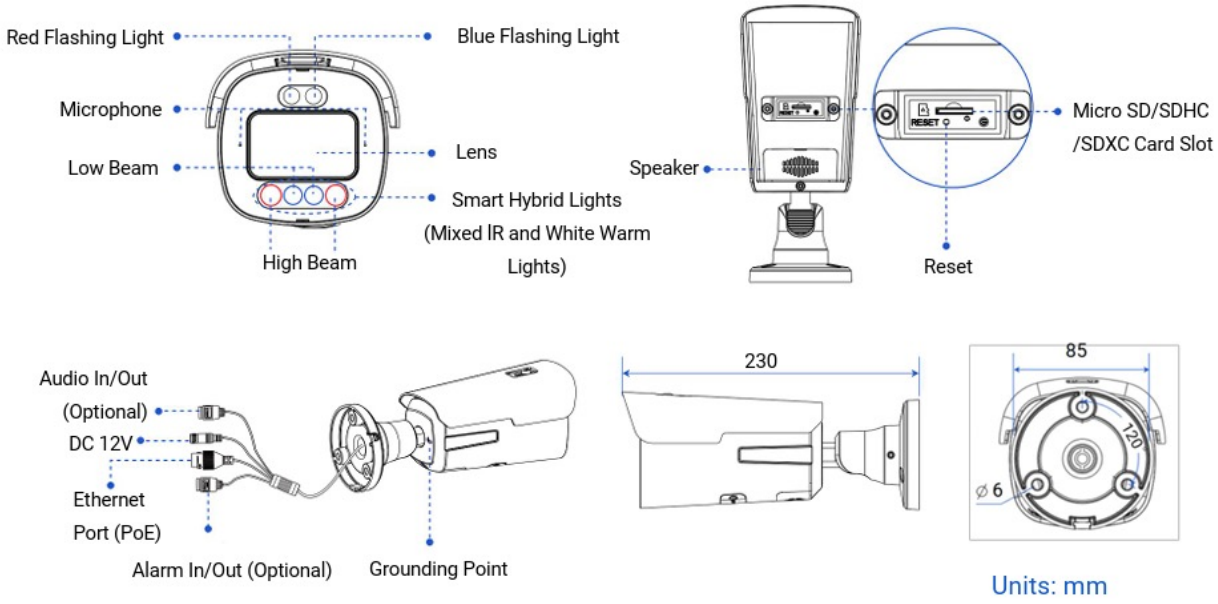


### A63 Junction Box

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





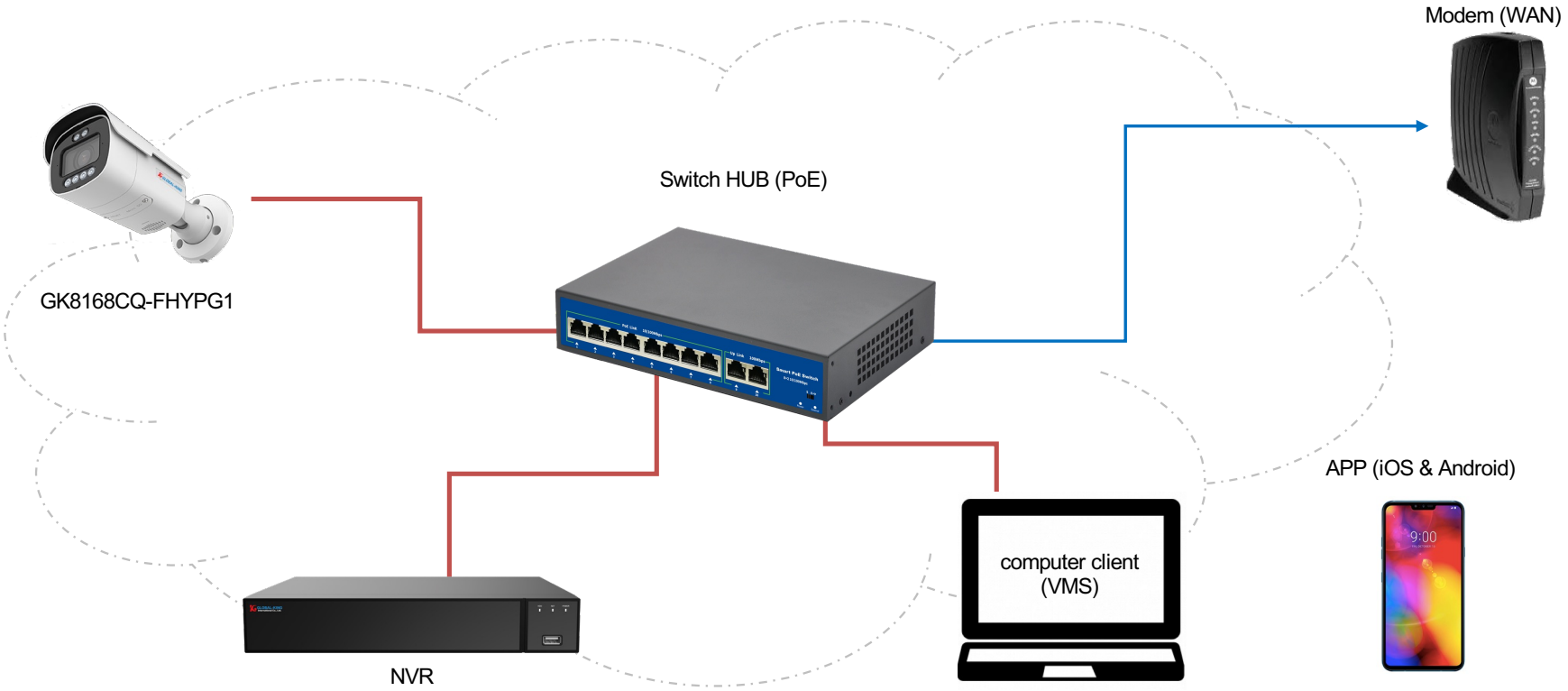

AI Motorized TrueColor Bullet Network Camera | Dimensions

# Architecture diagram

AI Motorized TrueColor Bullet Network Camera | Infrastructure

- IP Camera (GK8168CQ-FHYPG1)
- Switch HUB (PoE)
- NVR
- VMS Software
- APP (iOS & Android)
- Internet (ISP modem)

# Infrastructure




AI Motorized TrueColor Bullet Network Camera | Infrastructure



# ThankYou

2026/4/7

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