

Global-King Network Camera

AI 180° Panoramic Mini Dome Network Camera



Feature

Model : GK8176C-PE

Feature

- NDAA Compliance
- AI Deep Learning
- 180° Panoramic View
- 4K Ultra High Definition
- Intelligent People Counting
- Advanced Heat Map
- Built-in Microphone



Specification

Products Specification

Model	GK8176C-PE
Image Sensor	1/2.8" Progressive Scan SONY CMOS
Min. Illumination	Color: 0.012Lux@F2.0 B/W: 0Lux with IR on
WDR	120dB Super WDR
Lens	1.68 mm @F2.0
Mount	M12
Field of View	H180° V86°
Shutter Time	1~1/100,000s
Day/Night Mode	Day Night Auto Customize Schedule
DORI Distance	D : 56.5m O : 22m R : 11m I : 5.5m
IR Distance	>15M
S/N	>55dB
Resolution	3840(H) x 2160(V)
Primary Stream	60Hz : 30fps@(3840x2160 3440x1936 3200x1800 2880x1624 2560x1440 1920x1080 1280x720) 50Hz : 25fps@(3840x2160 3440x1936 3200x1800 2880x1624 2560x1440 1920x1080 1280x720)
Secondary Stream	60Hz : 30fps@(704x576 640x480 640x360) 50Hz : 25fps@(704x576 640x480 640x360)
Tertiary Stream	60Hz : 30fps@(1280x720 704x576 640x480 640x360) 50Hz : 25fps@(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	Saturation Brightness Contrast Sharpness
Image Enhancement	BLC HLC 2D DNR 3D DNR AGC Defog AWB Deblur Anti-flicker Corridor Mode

Ethernet	1xRJ45 10M/100M Ethernet Port
Audio Interface	Built-in Microphone
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 VPN PPPoE VLAN 802.1x QoS IGMP ICMP SSL TLS1.2
Audio Compression	G.71 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)
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
Basic Event	Motion Detection Tamper Detection Audio Alarm, etc.
Exception	Network Disconnection IP Address Conflict 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 SIP Phone HTTP Notification, etc.
Storage	Support microSD/SDHC/SDXC Card Local Storage up to 1TB
SIP/VoIP	Yes Voice & Video-over-IP
System Compatibility	ONVIF Profile (Support G/M/S/T) API
Working Temperature	-40°C~60°C
Working Humidity	0~95%(Non-condensing)
Power Supply	PoE(802.3af) DC 12V±10%

Power Consumption	Min. : 4W (DC 12V) 5W(PoE) Max. : 7.6W (DC 12V) 9W(PoE)
Dimensions	ø 127 x 107 mm
Weight	853g
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



A42-L Extension Lever

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



A71 Wall Mount

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



A72 V2 Wall Mount

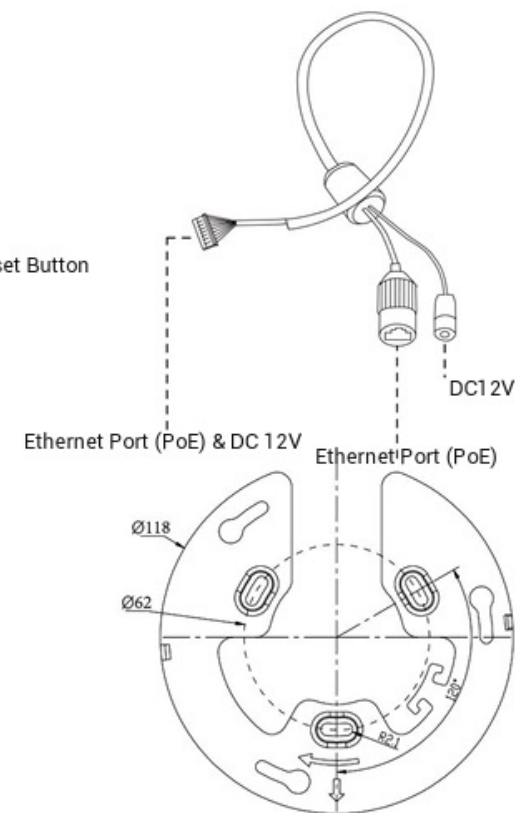
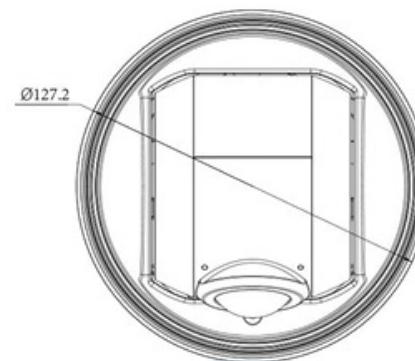
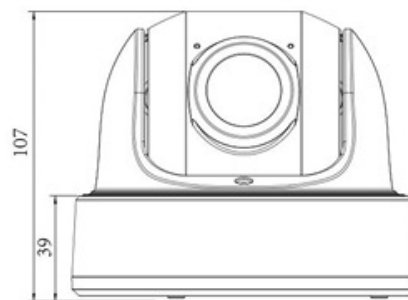
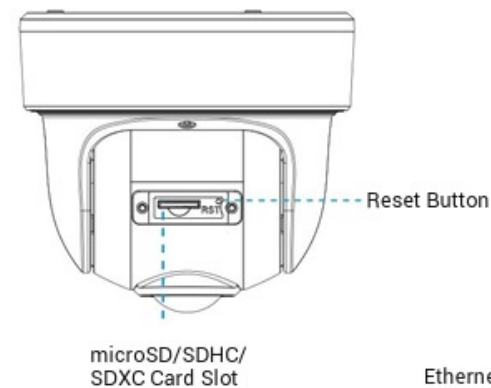
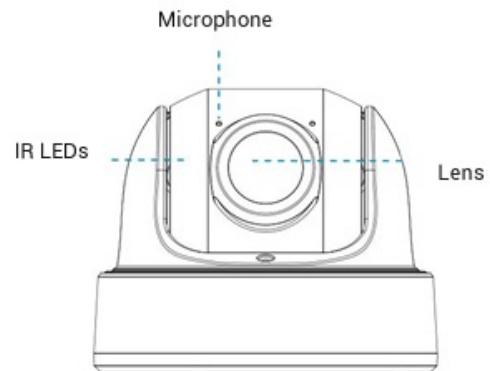
Weight: 575g
Dimension: 242*145*133mm
Installation Environment: For wall or parapet installations



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

Dimension



Units: mm

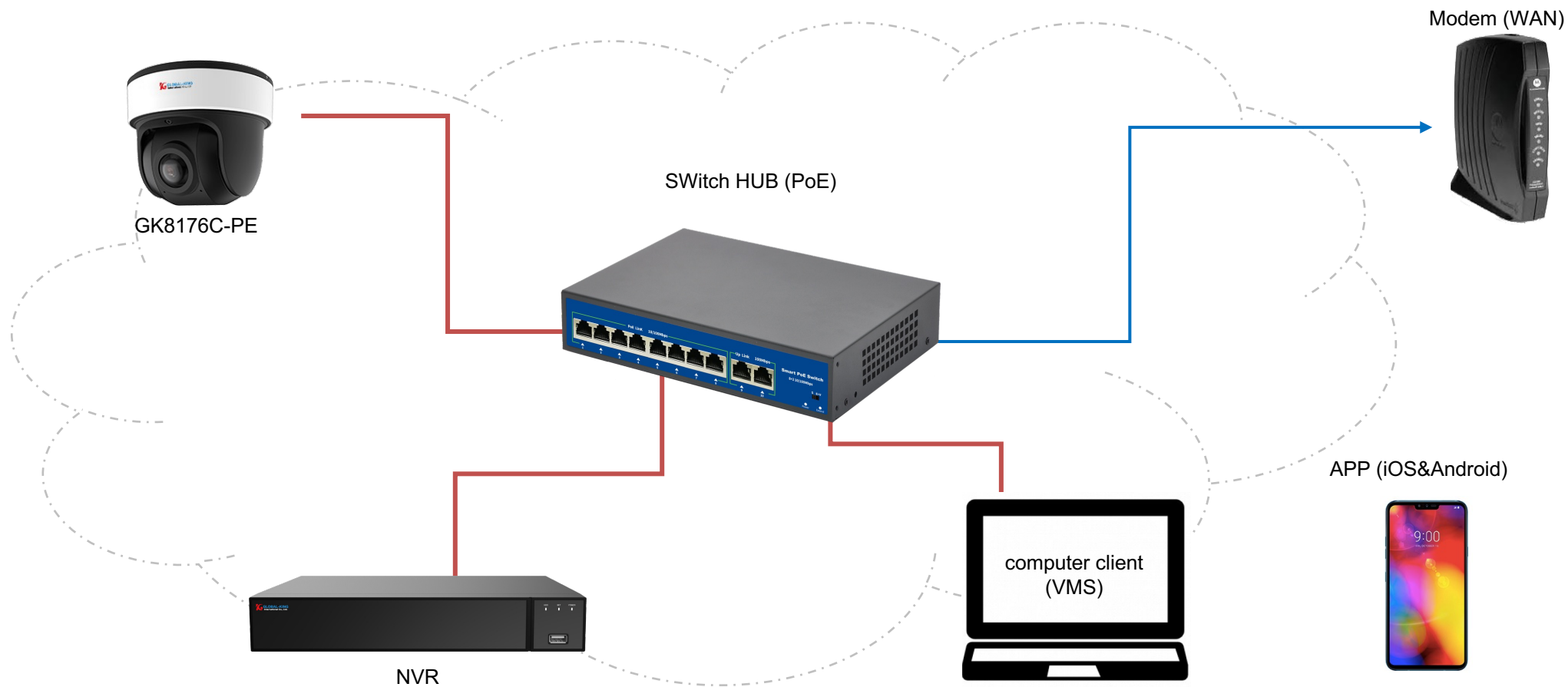
AI 180° Panoramic Mini Dome Network Camera | Dimensions

Architecture diagram

AI 180° Panoramic Mini Dome Network Camera |
Infrastructure

- IP Camera (GK8176C-PE)
- Switch HUB (PoE)
- NVR
- VMS Software
- APP (iOS&Android)
- Internet (ISP modem)

Infrastructure



AI 180° Panoramic Mini Dome Network Camera | Infrastructure



Thank You

2026/2/24



+886-2-77303779



service@global-king.com



www.global-king.net

