

GLOBAL-KING
International Co., Ltd.

Global-King Network Camera

AI Weather-proof Mini Dome Network Camera



Feature

Model：GK8175C-PD

Feature

- NDAA Compliance
- 8MP
- AI Deep Learning
- 0.012Lux Ultra Low-light
- Smart IR II with 25m IR Distance
- 30fps High Frame Rate
- IP67 & IK10
- Recessed Installation



Specification

Products Specification

Model	GK8175C-PD
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color：0.012Lux @F1.6 ｜ B/W：0Lux with IR on
WDR	120dB Super WDR
Lens	Standard: 4.0mm | Optional: 2.8mm
Mount	M12
Field of View	H110˚/D126˚/V60˚ (2.8mm) ｜ H91˚/D106˚/V50˚ (4.0mm)
Shutter Time	1~1/100,000s
Day/Night Mode	Day ｜ Night ｜ Auto ｜ Customize ｜ Schedule
IR Distance	Up to 25m
S/N	>55dB
Resolution	3840(H) x 2160(V)
Primary Stream	60Hz：30fps@(3840x2160 ｜ 3072x2048 ｜ 2592x1944 ｜ 2592x1520 ｜ 2048x1536 ｜ 1920x1080 ｜ 1280x960 ｜ 1280x720 ｜ 704x576) 50Hz：25fps@(3840x2160 ｜ 3072x2048 ｜ 2592x1944 ｜ 2592x1520 ｜ 2048x1536 ｜ 1920x1080 ｜ 1280x960 ｜ 1280x720 ｜ 704x576)
Secondary Stream	60Hz：30fps@(704x576 ｜ 640x480 ｜ 640x360 ｜ 352x288) 50Hz：25fps@(704x576 ｜ 640x480 ｜ 640x360 ｜ 352x288)
Tertiary Stream	60Hz：30fps@(1280x720 ｜ 704x576 ｜ 640x480 ｜ 640x360 ｜ 352x288) 50Hz：25fps@(1280x720 ｜ 704x576 ｜ 640x480 ｜ 640x360 ｜ 352x288)
Video Compression	H.265+ ｜ H.265(HEVC) ｜ H.264+ ｜ H.264 ｜ MJPEG
Video Bit Rate	16Kbps~16Mbps (CBR/VBR adjustable)
Privacy Masking	Up to 4 Areas
ROI	Up to 8 areas
Image Settings	Saturation ｜ Brightness ｜ Contrast ｜ Sharpness
Image Enhancement	BLC ｜ HLC ｜ 2D DNR ｜ 3D DNR ｜ Defog ｜ AWB ｜ IP Address Filtering ｜ AGC ｜ Anti-flicker ｜ Corridor Mode ｜ Deblur

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 | UPnP | Bonjour | SIP | SNMP | PPPoE | VLAN | 802.1x | QoS | IGMP | ICMP | SSL | TLS1.2
Audio Compression	G.711 | AAC | G.722 | G.726
Audio Sampling Rate	8 /16 /32 /44.1 /48KHz
Audio Bit Rate	16~256kbps
Audio Interface	Built-in Microphone
Event Trigger	Motion Detection | Tamper Detection | Audio Alarm
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 | SIP Phone | HTTP Notification
Video Analysis	Region Entrance | Region Exiting | Advanced Motion Detection | Line Crossing | Loitering | Object Left | Object Removed
People Counting & Report	Count the number of people entering or exiting
Storage	Support microSD/SDHC/SDXC Card Local Storage | up to 1TB
SIP/VoIP	Yes | Voice & Video-over-IP
System Compatibility	ONVIF Profile G & S & T & M | API
Working Temperature	-40ºC~60ºC
Working Humidity	0~90% (Non-condensing)
Power Supply	PoE (802.3af)
Power Consumption	4.6W MAX | 6.6W MAX (With IR on)
Housing	Vandal-proof IK10-rated metal housing | Up to IP67-rated for weather-resistant performance
Dimensions	⌀108 x 96.5 mm (Junction Box Version) | ⌀106 x 76.5 mm (Cable Out Version)
Weight	Approx. 600g (Junction Box Version) | Approx. 410g (Cable Out Version)

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 ϕ105-127mm(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



A71 Wall Mount

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



A81 Recessed Mount (Only for cable out version)

Weight: 450g
Dimension: Φ168.7*91.3mm
Installation Environment: For in-ceiling installations



A83 Junction Box

Weight: 270g
Dimension: Φ122*45.5mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and deter tampering



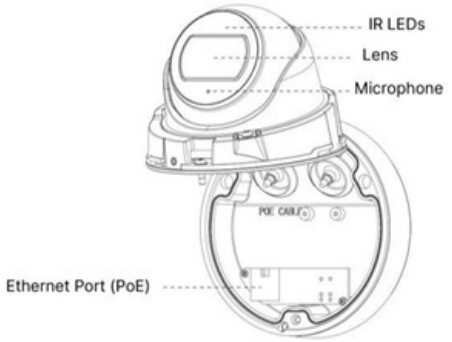
A83 V2 Junction Box

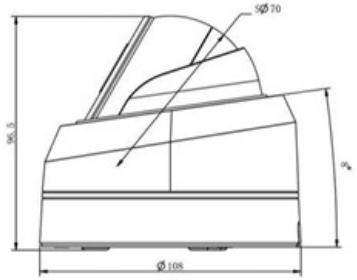
Weight: 640g
Dimension: Φ145*177.7*58mm
Installation Environment: For the containing of electrical connections which need to be concealed from sight and deter tampering

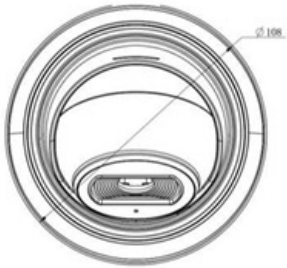
Dimension



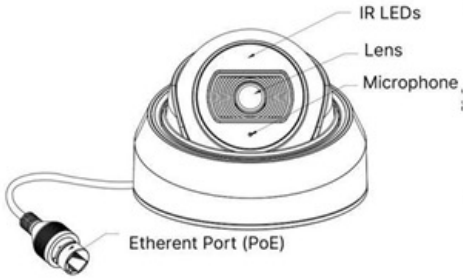
Junction Box Version

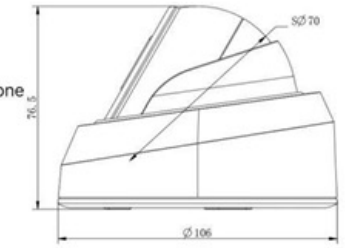


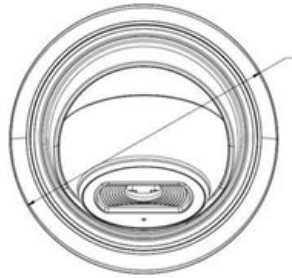


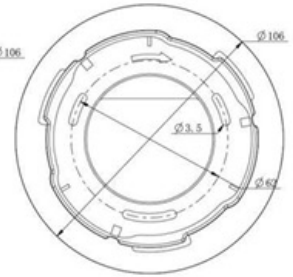


Cable Out Version









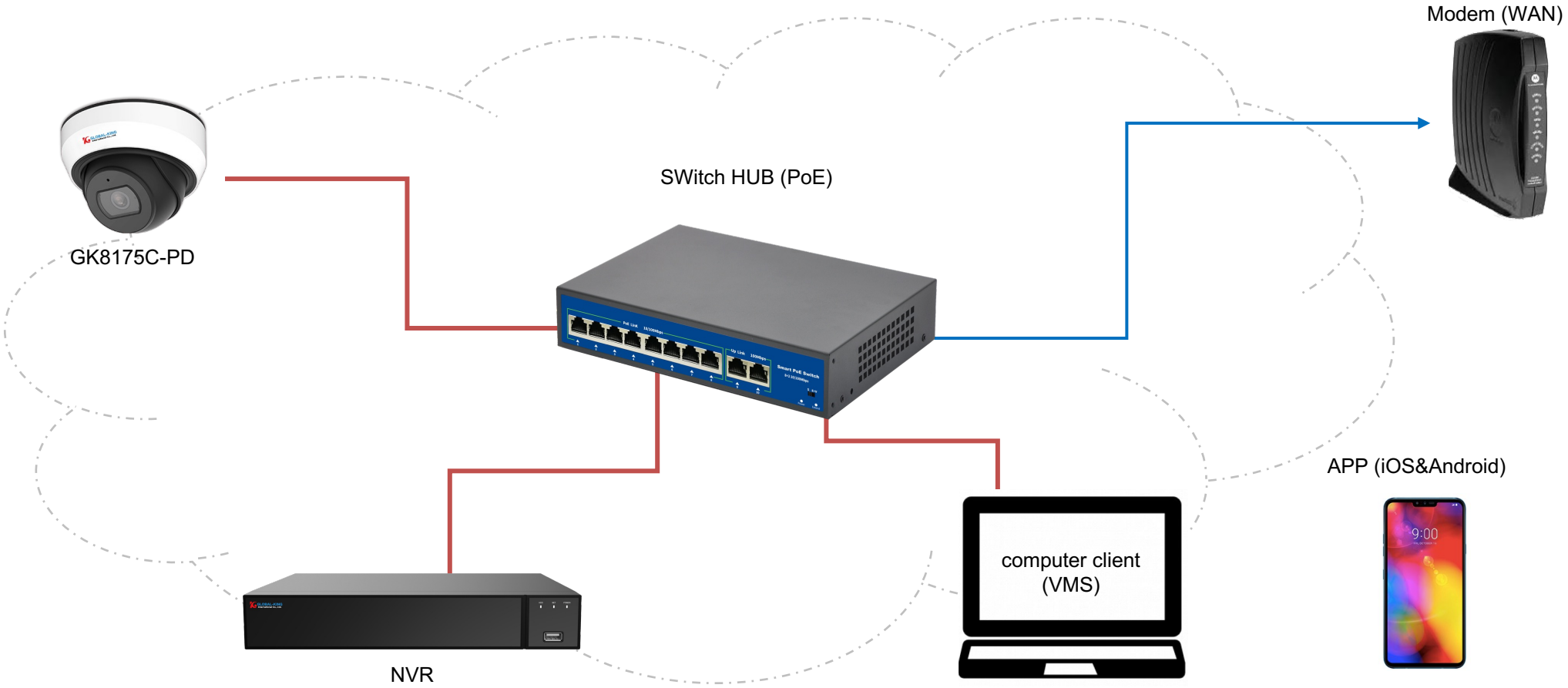
AI Weather-proof Mini Dome Network Camera | Dimensions

Architecture diagram

AI Weather-proof Mini Dome Network Camera | Infrastructure

- IP Camera (GK8175C-PD)
- Switch HUB (PoE)
- NVR
- VMS Software
- APP (iOS & Android)
- Internet (ISP modem)

Infrastructure



AI Weather-proof Mini Dome Network Camera | Infrastructure



ThankYou

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