

GV-OPAL S1 Series



GV-OPAL S1



GV-OPAL S1 Plus

Key Features

- 1/3" progressive scan CMOS
- Dual streams in H.264
- Up to 15 fps at 2560 x 1440, 30 fps at 1920 x 1080
- High-definition resolution
- Ease of use
- 100% wire-free
- Cloud storage
- YouTube live streaming
- Recording upon motion detection
- Accurate event notification
- 180° field of view
- Remote live viewing from Web browser and app (iOS/Android)
- Two-way audio
- 802.11 b/g/n wireless LAN capability with WEP/WPA/WPA2 encryption
- Passive infrared (PIR) sensor for detecting movement
- LED indicators for power, charging, Wi-Fi and pairing
- Built-in micro SD card slot (SDHC/SDXC/UHS-I) for local storage
- Flexible docking options

Introduction

GV-OPAL S1 & S1 Plus

GV-OPAL S1 series is an easy-to-install, wireless cloud network camera designed for home security. With no extra cabling required, the camera can be paired with a 802 b/g/n WiFi router using its power key for a hassle-free setup. The camera is magnetically anchored for easy mounting, removal or repositioning.

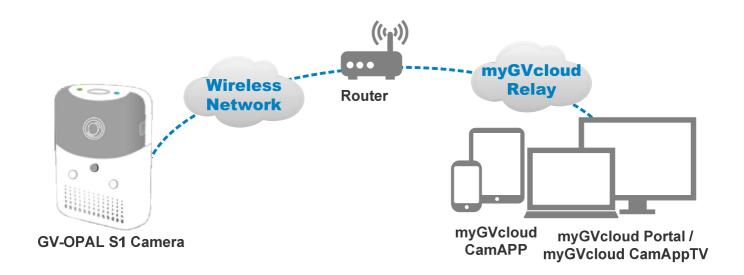
GV-OPAL S1 series provides a 180° field of view to cover the widest area in one single image. Its PIR sensor can detect human motion by sensing temperature changes over the scene even in complete darkness. When motion is detected, the camera saves the surveillance videos in the micro SD card, which can be stored in GeoVision's cloud storage.

There are many ways to remotely access GV-OPAL S1 series from your PC, mobile devices and Smart TV. You can watch live view and play back recordings of multiple GV-OPAL S1 series cameras.

- myGVcloud Portal: Log in www.mygvcloud.com using Web browsers on PC
- myGVcloud CamAPP: Install myGVcloud CamAPP on Android or iOS mobile devices
- myGVcloud CamAppTV (Android TV): Install myGVcloud CamAppTV (Android TV) on your Android TV
- myGVcloud CamApp (Apple TV): Install myGVcloud CamApp (Apple TV) on your Apple TV
- myGVcloud CamApp (Windows 10): Install myGVcloud CamApp (Windows 10) on your Windows 10 PC.

December 4, 2017





GV-OPAL S1 series is powered by a USB AC adapter – no batteries needed. GV-OPAL S1 Plus is powered by a USB AC adapter or a battery docking station.

Overview

Camera



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Battery Docking



Specifications

Camera		GV-OPAL S1	GV-OPAL S1 Plus	
Image Sensor		1/3" progressive scan CMOS		
Picture Elements		2560 (H) x 1440 (V)		
Minimum Illumination	Color	0.03 Lux		
	B/W	0.02 Lux		
	IR ON	0 Lux		
Shutter Speed		Auto		
White Balance		Auto		
Gain Control		Auto		
S/N Ratio		54 dB		
WDR		N/A		
Dynamic Range		72 dB		
Optical Lens				
Megapixel		Yes		
Day / Night		Yes (with removable IR-cut filter)		
Lens Type		Fixed		
Focal Length		1.54 mm		
Maximum Aperture		F/1.4		
Mount		M12		
Horizontal FOV		180°		
Image Format		1/2.7"		
Operation	Focus	Fixed		
	Zoom	Fixed		
	Iris	Fixed		
IR LED Quantity		2 IR LEDs		
Max. IR Distance		7 m (22.96 ft)		
Operation				
Video Compression		H.264		
Video Streaming		Stream 1 from H.264 Stream 2 from H.264		
Frame Rate		Up to 15 fps at 2560 x 1440 Up to 30 fps at 1920 x 1080		

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LED Indicators LED Indicator 2 LEDs: Power (Green, Orange), Wifi (Blue) General Environment Temperature -10°C ~ 40°C (-50°F ~ 122°F) Humidity 10% ~ 90% (no condensation) Power Source 5V DC 5V DC or charged by battery Maximum Power Consumption 5 W Regulatory CE, FCC,LVD, RoHS compliant Dimensions (L x W x H) 80 x 65 x 48 mm (3.15" x 2.56" x 1.89") Weight 185 g (0.41 lb) 355 g (0.78 lb) Battery N/A Ingress Protection IP54 Warranty 1 year 1 year (Battery: 6 months) Applications Installation Access to myGVcloud Portal from Web Browser Livew Viewing Storage Management Firmware Update Mobile Phone Support MyGVcloud CamAPP (V (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp (V), myGVcloud CamApp (V), myGVcloud CamApp (C) and myGVcloud CamApp (V), myGVcloud CamApp (C) and myGVcloud CamApp (V), myGVcloud CamApp (C) and Android devices myGVcloud CamAPP TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp (V), myGVcloud CamApp (C) and popt (Apple TV) and myGVcloud CamApp (V), myGVcloud CamApp (C) and Apple TV) and myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp TV (Android TV), myGVclo	Image Setting	myGVcloud Portal	Image Orientation		
Audio Support Two-Way Audio	Audio		Built-in microphone and speaker		
Audio Support			AAC		
Video Resolution Main Stream 16:9 2560 x 1440, 1920 x 1080 Sub Stream 16:9 640 x 360 Security Wireless LAN IEEE 802.11 b/g/n Antenna Type N/A N/A Protocol Http, Hittps, TCP, UDP, DHCP, NTP, UPnP Security WEP, WPA-PSK(TKIP), WPA-PSK(AES), WPA2-PSK(TKIP), WPA2-PSK(AES) Min Upload Speed 2 Mbps Mechanical Micro USB 5V Micro USB 5V ocking Micro USB 5V Micro USB 5V ocking Micro USB 5V ocking Power Button Load Persis: Turn on/off the power bouble Press: Add new WiFi connection Micro USB 5V Light Sensor Battery Docking PiR sensor N/A Micro USB 5V Light Sensor Built-in PIR sensor x 2 Max. PIR Detection distance: 5 m (16.4 Battery charge (red / green) LED Indicator 2 LEDs: Power (Green, Orange), Wifi (Blue) Battery charge (red / green) Battery charge (red / green) General Environment Temperature -10°C ~ 40°C (-50°F ~ 122°F) O°C ~ 40°C (32°F ~ 122°F) Humidity 10°C ~ 40°C (30°F ~ 122°F) O°C ~ 40°C (32°F ~ 122°F) All sequence of the power of the p					
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Wireless LAN	Sub Stream	16:9			
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Double Press: Add new WiFi connection		Local Storage	*UHS-II card type is not supported.		
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	Mobile Phone Support		myGVcloud CamAPP for iOS and Android devices		
CamApp (Windows 10)	Smart TV / PC Support		myGVcloud CamApp TV (Android TV), myGVcloud CamApp (Apple TV) and myGVcloud CamApp (Windows 10)		
Language English / Traditional Chinese / Japanese	Language		English / Traditional Chinese / Japanese		

Note:

- 1. Specifications are subject to change without notice.
- 2. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
- 3. Mind the following when using an inserted memory card for recording:
 - Recorded data on the memory card can be damaged or lost if the data are accessed while the camera is under physical shock, power interruption, memory card detachment, or when the memory card reaches the end of its lifespan. No guarantee is provided for such causes.

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- The stored data can be lost if the memory card is not accessed for a long period of time. Back up your data periodically if you seldom access the memory card.
- Memory cards are expendable and their durability varies according to the conditions of the installed site and how they are used. Back up your data regularly and replace the memory card annually.
- Replace the memory card when its read/write speed is lower than 6 MB/s or when the memory card is frequently undetected by the camera.
- Use Micro SD card of MLC NAND flash, Class 10 for better performance.

Packing List

- GV-OPAL S1 Camera
- 2. 8 GB Micro SD Card (MLC, SDHC, Class 10)
- 3. Micro USB to USB Cable
- 4. 5V/2A USB Adapter
- 5. Magnetic Stand

- 6. Screw and Anchor
- 7. Installation Page
- 8. Warranty Statement
- 9. Double-Sided Sticker
- 10. Bottom Battery Docking (only for GV-OPAL S1 Plus)

Accessories

Name Details





Dimensions: 80.88 x 107.32 x 56.78 mm (3.18" x 4.22" x 2.24")

OPAL S1 Plus Skins provides an IP-66 water-resistant solution for outdoor use.

OPAL S1 Battery Dock



Dimensions: 79 x 52 x 67 mm (3.11" x 2.05" x 2.64")

Weight: 185 g (0.41 lb)

OPAL S1 Camera Stand



Dimensions: Ø 58 x 117 mm (Ø 2.28" x 4.61")

Weight: 95 g (0.21 lb)

Note: The OPAL S1 Plus Skins is only supported by GV-OPAL S1 Plus.

GV-OPAL S1 & S1 Plus December 4, 2017

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