# HOME




Smart Camera Gateway

Z-WAVE PLUS

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IFTTT

CLOUD STORAGE

TIME LAPSE VIDEO

micro SD CARD RECORDING

Full HD 1080 2MEGA PIXEL

POPP

The Z-Wave FHD IP Camera is a Smart Home Solution on a Camera (SoC). This is an IP camera with Z-Wave controller/gateway functions integrated inside. With this camera, you can control/monitor all Z-Wave devices in your house through your iPhone/iPad and Android mobiles/pads.

The basic setup of this camera is truly 1-2-3 :

1. Connect the camera to the network
2. Download the app POPP HOME into your iPhone/iPad or Android
3. View video by the camera ID/password

Z-Wave technology is an innovative wireless communication protocol for smart home usage. With this technology integrated, the Z-Wave camera can easily control/monitor all Z-Wave devices, including door-lock, curtain, lighting, power plug, electronics and sensors.

The push notification is supported, so that you will get the notification from your iPhone/iPad and Android once there is any events detected through the motion detection or sound detector on the camera, even when your mobile is on sleep mode.

The SD card recording is supported, and you could playback the recorded video on your iPhone/iPad and Android. You could also do the SD card recording only when there is motion or sound detection to save the SD card storage size. The motion and sound detected recording has a 5 seconds pre-recording, so that you will always catch the critical moment.

The Time Lapse Recording is supported. The camera can do time lapse recording on the SD card and you can playback the recorded time lapse video on the mobile or tablet remotely, anywhere. This is more convenient than traditional time lapse camera which can only be played back by removing the SD card to a computer.

The NAS and cloud storage is supported. You can record the

video files into any normal NAS devices or to your Dropbox account. And you can playback those recorded video files remotely on your mobile devices or computers.

For day & night usage, there is an IR cut on the camera, IR filter is on for day and off for night. The lens is wide angle up to 140 degree.

Two-way audio is supported. You can monitor the synchronized video/audio and talk to or warn the people around the camera from your iPhone/iPad and Android once you got the push notification. There is a built-in speaker so that you could connect any high power speaker to the camera for your needs.

The WPS(WiFi Protected Setup) is supported. You could set up the WiFi connection of the camera with the router by clicking the WPS button on the camera and on the router at the same time. No more complicated WiFi configuration.

The Z-Wave IP camera is ideal for your smart home usage, integrating the usage of all the available Z-Wave devices in the market will make the application infinite and make your home life out of your imagination.

*Features*

- Camera with Z-Wave controller/gateway functions integrated.
- Support Zwave devices control, room control and scene control.
- Control up to 60 Z-Wave devices.
- Control up to 20 rooms, each room allows max of 60 devices.
- Control up to 30 scenes, each scene allows 6 events and 12 actions.
- Allows alarm notification for each Z-Wave devices and each scene.
- Plug & play by ID/password, no IP address or DNS settings.
- H.264 video compression
- Two mega-pixel(Full HD) for up to 1920x1080 resolution at 30 fps.
- Day and night video with high power IR led.
- Two way audio, internal speaker.
- SD card video recording with 5 seconds of pre-recording..
- Time lapse video recording
- 2.4G Hz WiFi with WEP and WPA/WPA2 security support.
- WPS (WiFi Protected Setup) support.
- Triple video streaming on PC, mobile and SD card recording.
- Night mode control – support automatic, manual and scheduled modes.
- Connect up to 8 users simultaneously
- Push notification on iPhone/iPad and Android for motion and sound detection.
- Email alarm message for motion and sound detection.
- Event scheduling.
- Video recording on NAS device.
- Cloud storage on Dropbox
- Internal real time clock
- Watchdog function to prevent system failure.

## *Specifications*

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|---|---|
| Models | Z-Wave FHD IP camera |
| Power | DC 5V, 1.5A |
| Processors | RISC CPU, hardware video processing and compression. |
| Network interface | Ethernet 10BaseT/100BaseTX, Auto-MDIX, RJ-45 |
| Wireless interface | 2.4G Hz WiFi<br>Range : 100 meters, line of sight |
| Full HD | Resolution 1920x1080 |
| Z-Wave module | Sigma Design 500 series module<br>Tx RF Power : -26 ~ 2 dBm.<br>Range: 100 meters open site<br>Radio frequency : 868.42 MHz for Europe |
| Image sensor | RGB 2 Mega 1/2.7 inch CMOS sensor<br>Automatic exposure control, automatic white balance, automatic gain control, automatic brightness control. |
| Light sensitivity | 0.2 Lux ( IR LED off )<br>0 Lux (with 10 meters IR LED on)<br>Automatically turn on the IR LED on low light environment. |
| Lens | M12, 2.8 mm, F1.8, viewing angle-horizontal:140°,<br>fixed iris. focus range: 50 cm to infinity |
| Buttons | One reset button, to factory default settings<br>One WPS button for automatic WiFi setup |
| Indicators | One LED for Internet connection status indication<br>One LED for Ethernet connection indication<br>One LED for SD card recording indication |
| Video compression | H.264, high profile |
| Video streaming | Separate frame rate/resolution/bandwidth settings for |

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| | PC and mobile. |
| **Video settings** | Resolution: (Full HD)1920x1080, 1280x720, 640x360<br>Bandwidth : 64k, 128k, 256k, 512k, 768k, 1M, 1.2M, 1.5M, 2M, 3M bps<br>Frame rate : 1~5, 10, 15, 20, 25, 30 fps |
| **Audio** | Built-in microphone for audio monitoring<br>Built-in 0.5W speaker for alarm and half-duplex two-way audio.<br>Audio compression: G.711 |
| **Security** | Web management username/password protection<br>Video display ID/password protection<br>WiFi WEP and WPA/WPA2 security mode |
| **Installation, management and maintenance** | Plug & play by ID/password.<br>Video management software-CamView for video access and multi-camera management<br>Firmware upgrades via FTP |
| **Web browsing** | Built-in web server for standard web browser access<br>Video display on IE browser<br>Video snapshot on any browser |
| **Supported protocols** | IPv4, HTTP, TCP, ICMP, RTSP, RTP, UDP, RTCP, SMTP, SNTP, FTP, DHCP, ARP, DNS, PPPoE, etc. |
| **Accessories (included)** | Power adaptor, RJ45 Ethernet cable, quick installation guide, ID/Password card. |
| **App** | App POPP HOME for Android and iPhone/iPad |
| **Users** | Up to 8 simultaneous unicast users (depends on video settings) |
| **Alarm and event management** | Events triggered by motion and sound detection<br>Email/ftp alarm message<br>Push notification on iPhone/iPad and Android devices. |
| **Dimensions (HxWxD) and weight** | 116 x 57 x 31 mm, bracket included<br>129 g, incl. camera bracket, excl. power adaptor |

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| Approvals | EMC - CE, FCC Part 15 Subpart B Class B<br>Wireless RF - CE, FCC Part 15 Subpart C<br>Power supply: CE, FCC, UL, EN 60950 |
| Operating conditions | 0-50 °C<br>Humidity 20 – 80% RH (non-condensing) |