

Z-Wave IP Network Camera



Smart Home IP Camera with Z-Wave controller

The Z-Wave 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 **mCamView Z+** into your iPhone/iPad or Android
3. View video of the camera and control/monitor the Z-Wave devices.

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 PIR body sensor or sound detector on the camera or any Z-Wave sensors, 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 PIR or sound detection to save the SD card storage size. The PIR and sound detected recording has a 5 seconds pre-recording, so that you will always catch the critical moment.

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 are two video sensors/lens on the camera, one for day and one for night. The day lens and night lens focus are separately tuned for day light and Infra Red light for best video quality. No ICR, no mechanical problem.

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 and a speaker jack is provided 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.

An infrared thermometer is provided. You could monitor the temperature of the environment of the camera. And you could setup the camera to trigger alarm when the environment temperature is out of a specified range.

The Z-Wave IP camera is ideal for securing small businesses, home offices and residences. The Z-Wave IP Camera is a perfect replacement of the alarm system and baby monitor in your house and shop. .

Features

- Camera with Z-Wave controller/gateway functions integrated.
- Plug & play by ID/password, no IP address or DNS settings.
- H.264 video compression
- Mega-pixel for up to 1280x800 resolution at 30 fps.
- Two sensors/lens for day and night separately.
- PIR body detection, effective distance – 7 meters.
- Two way audio.
- Infrared thermometer and temperature alarm control.
- SD card video recording with 5 seconds of pre-recording..
- 802.11 n wireless 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 20 users simultaneously
- Bundle with free video management software CamView.
- Push notification on iPhone/iPad and Android for PIR, temperature and sound detection.
- Email/ftp alarm message for PIR 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

Models	Dual-lens Mega-pixel
Power	DC 5V/1.5A or 12V/1A
Processors	RISC CPU, hardware video processing and compression.
Network interface	Ethernet 10BaseT/100BaseTX, Auto-MDIX, RJ-45
Wireless interface	IEEE 802.11n 90 - 150 Mbps IEEE 802.11g 6 - 54 Mbps IEEE 802.11b 1 - 11 Mbps Transmit power: 14.5dBm typically @ 802.11g 17.5dBm typically @ 802.11b Receiver sensitivity: 54Mbps: Typical -73dBm @ 10% PER 11Mbps: Typical -86dBm @ 10% PER Antenna gain: 0.1 dBi
Z-Wave module	Sigma Design 500 series module Tx RF Power : -26 ~ 2 dBm. Range: 100 meters open site Radio frequency : 868.42 MHz for Europe/China, 908.42 MHz for United States, 921.42 MHz for Australian/New Zealand, 922 MHz for Japan/Taiwan.
Image sensor	RGB Mega 1/4 inch CMOS Day and night separate sensors Automatic exposure control, automatic white balance, automatic gain control, automatic brightness control.
PIR sensor	Effective distance – 7 meters
Infrared thermometer	Infrared Range: -40 ~ 115 °C, accuracy: ±0.5°C Field of view : 90 degree
Light sensitivity	0.2 Lux (IR LED off) 0 Lux (with 10 meters IR LED on) Automatically turn on the IR LED on low light environment.
Lens	4.2 mm, F2.4, viewing angle: 62°, fixed iris. focus range: 30 cm to infinity

	Day and night separate lens
Buttons	One reset button, to factory default settings One WPS button for automatic WiFi setup
Indicators	One LED for Internet connection status indication One LED for Ethernet connection indication One LED for SD card recording indication
Video compression	H.264, baseline profile level 3.1
Video streaming	Separate frame rate/resolution/bandwidth settings for PC and mobile.
Video settings	Resolution: (WXGA)1280x800, 1024x768, VGA(640x480), QVGA(320x240) Bandwidth : 64k, 128k, 256k, 512k, 768k, 1M, 1.2M, 1.5M, 2M, 3M bps Frame rate : 1~5, 10, 15, 20, 25, 30 fps
Audio	Built-in microphone for audio monitoring Built-in 0.5W speaker for alarm and half-duplex two-way audio. Speaker jack for external speaker Audio compression: G.711
Security	Web management username/password protection Video display ID/password protection WiFi WEP and WPA/WPA2 security mode
Installation, management and maintenance	Plug & play by ID/password. Video management software-CamView for video access and multi-camera management Firmware upgrades via FTP
Web browsing	Built-in web server for standard web browser access Video display on IE browser 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, CD with installation software and User's Manual, ID/Password card.

Video management software	Surveillance software for viewing and archiving up to 36 cameras
Users	Up to 20 simultaneous unicast users (depends on video settings)
Alarm and event management	Events triggered by PIR and sound detection Email/ftp alarm message Push notification on iPhone/iPad and Android devices.
Dimensions (HxWxD) and weight	100 x 85.9 x 29.2 mm, 135 g, incl. camera bracket, excl. power adaptor
Approvals	EMC - CE, FCC Part 15 Subpart B Class B Wireless RF - CE, FCC Part 15 Subpart C Power supply: CE, FCC, UL, EN 60950
Operating conditions	0-50 °C Humidity 20 – 80% RH (non-condensing)