

ZAVIO Outdoor IR Bullet

Quick Installation Guide

Quick Installation Guide

Please follow the installation steps below to set up your IP camera.

Check the package contents with the list below. **See P.1**

Physical overview & I/O Terminal Block Circuit. **See P.2**

I/O Terminal Block Pin Definition. **See P.3**

LED Indicator Definition. **See P.3**

Micro-SD Card Slot & Lens Focusing. **See P.3**

Installation of hardware and connection of all cables. **See P.4**

MAC OS: using Safari Browser. **See P.5**

Z Plus. **See P.7**

Lighting environment.& Change the Web Interface into your preferred language

See P.9

Package Contents

Camera	IP camera
Quick Installation Guide	Brief product information and quick installation
Accessory	Alignment Sticker Screw pack for wall and ceiling mounting Desiccant bag Terminal block 2 pin DC connector Waterproof connector Screwdriver

Software

The following software and information are available online:

- Video Management Software
- Z PLUS
- User manuals
- Camera Language Packs

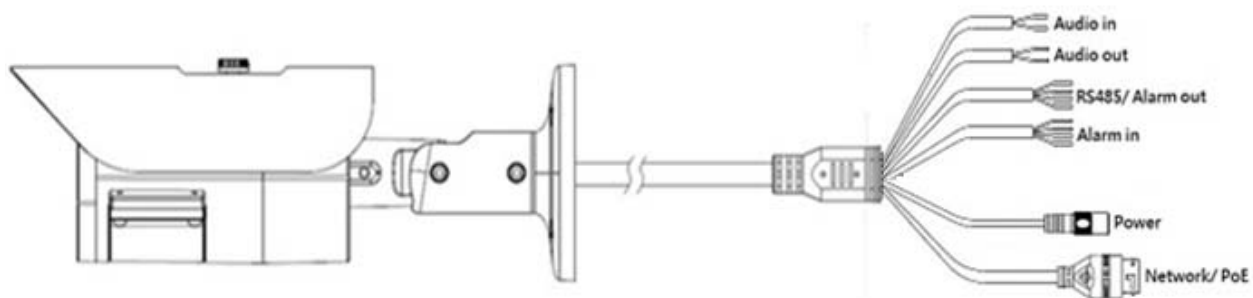
You may download the above at <http://www.zavio.com/downloads.php> or you may scan the below QR-Code.



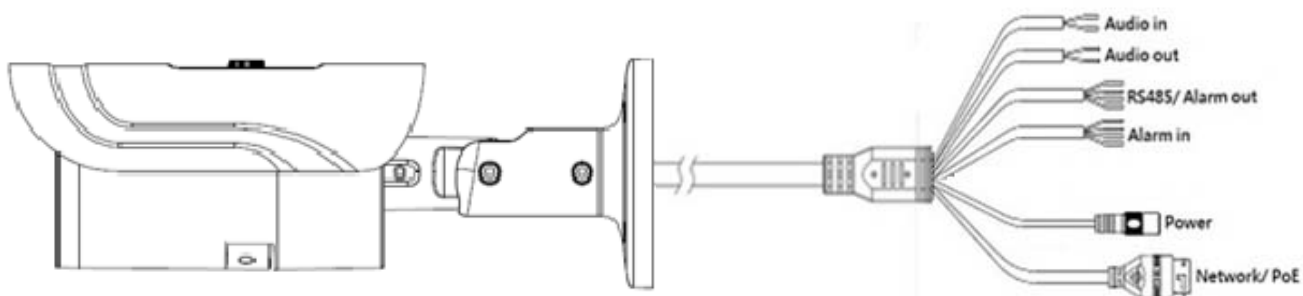
To activate Video Management Software, please contact with Zavio FAE (techsupport@zavio.com) to get the license key (Please provide camera's Model name/Serial number/MAC).

Physical overview

CB5220



CB6230/CB6330

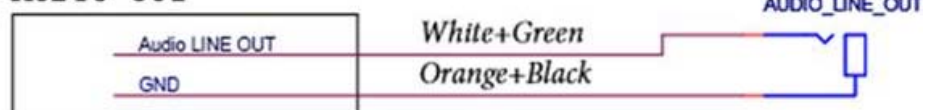


I/O Terminal Block Circuit

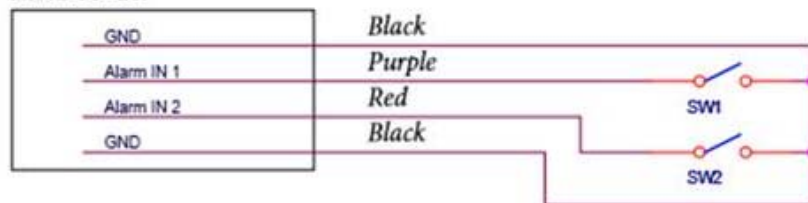
AUDIO IN



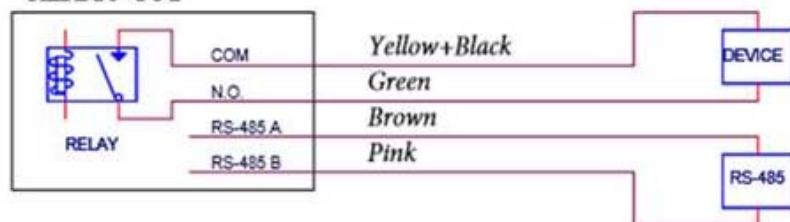
AUDIO OUT



ALARM IN



ALARM OUT



I/O Terminal Block Pin Definition

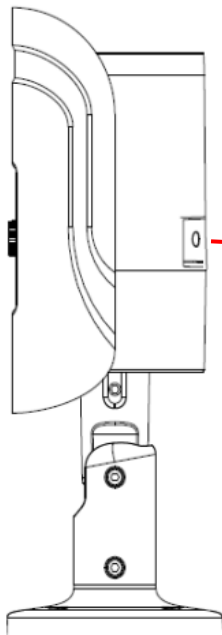
Definition	Description	Max. V/A
Alarm Input 1	Connect to GND to activate, or leave floating/unconnected to deactivate.	5V DC / 50mA
Alarm Input 2	Connect to GND to activate, or leave floating/unconnected to deactivate.	5V DC / 50mA
Alarm Output	Relay contact output. Contact capacity with resistance load.	0.3A at 125V AC or 1A at 30V DC

LED Indicator

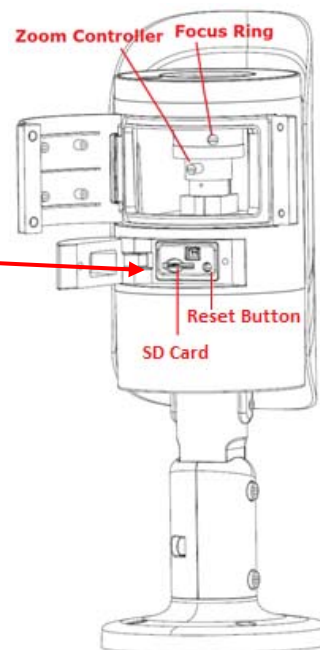
LED	Color	Indication
Network	Green	Solid green when network is established.
	Orange	Blink orange when there is network activity.

Micro-SD Card Slot 、 Reset Button & CB5220 Lens Focusing

CB6230/CB6330



CB5220



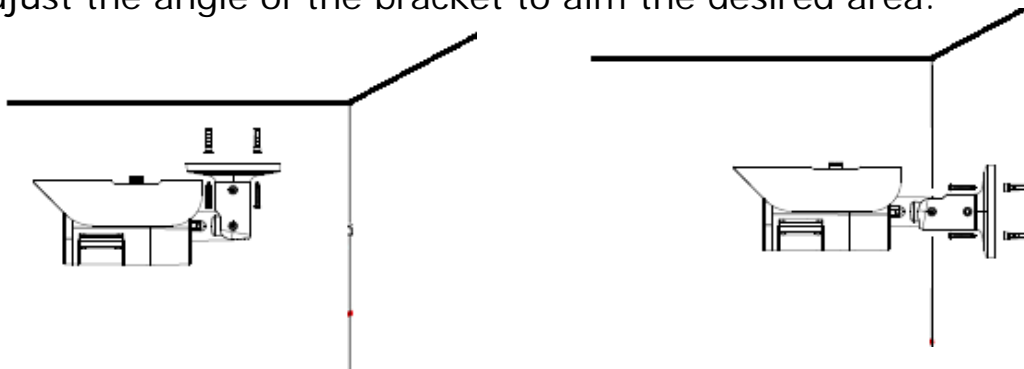
Reset Button: When the device is powered, press the Reset Button to reboot the device, or hold the Reset Button for 15 seconds to the settings back to factory default.

Note: when the adjustment is finished, please change the desiccant bag in back cover.

Install the hardware and connect all cables

A. Wall mounting and Ceiling mounting

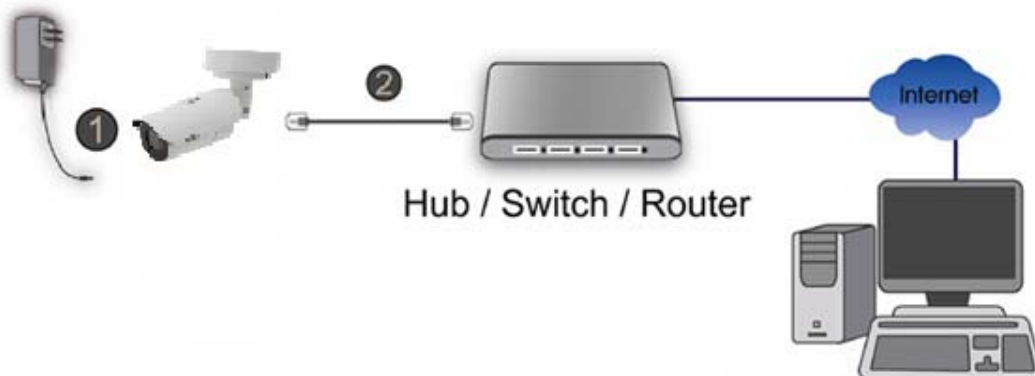
- 1) Attached the alignment sticker to the wall. Drill four holes into the wall. Then hammer the supplied plastic anchors into the screw holes and secure the bracket with supplied screws.
- 2) Adjust the angle of the bracket to aim the desired area.



B. Connect all cables

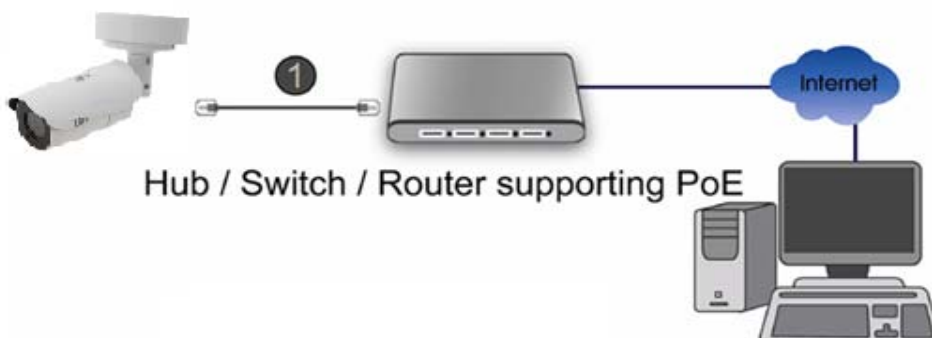
B1. Without Power over Ethernet (PoE) connection

1. Connect the power adaptor to the IP Camera.
2. Use a standard RJ-45 network cable and connect the IP Camera to a hub/switch/router.



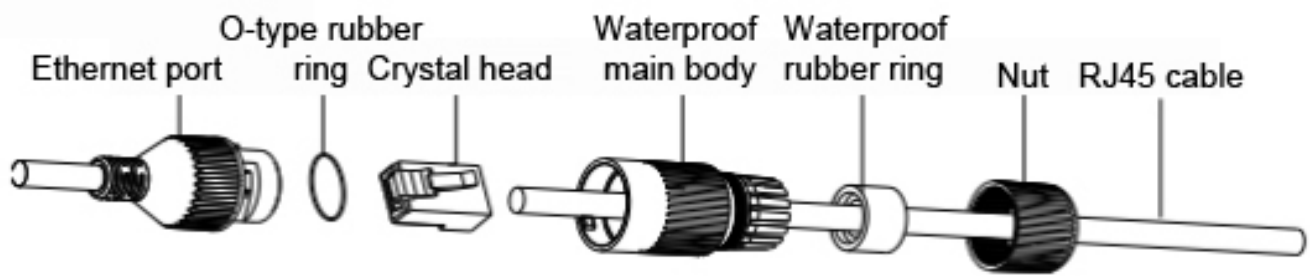
B2. Power over Ethernet (PoE)

1. Use a standard RJ-45 network cable and connect the IP Camera to a PoE-enabled hub/switch/router.



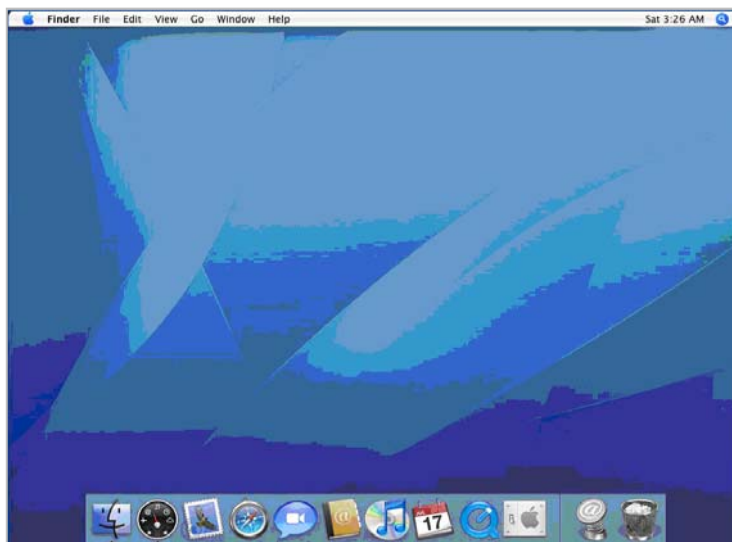
B3. RJ45 waterproof connector

1. Make sure all components are assembled as shown on the below graph.
2. Check that the Ethernet Port and the Waterproof main body are tightly fasten.

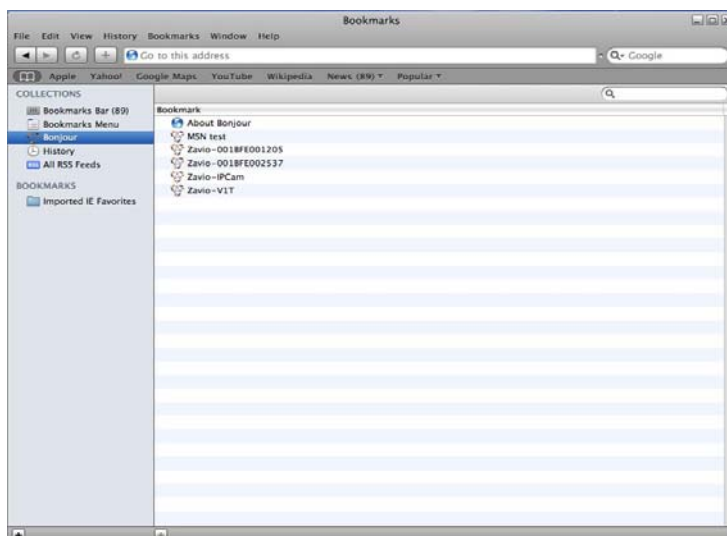


MAC OS using Safari Browser

1. Select **Safari Icon**



2. Click **Bonjour function** and select the camera you wish to access.



3. Enter name and password to login to the IP camera
(Default is admin / admin)



4. Live video will display in the center of your web browser



Z Plus

A. Get the image of camera with Z Plus.

1. Download Z Plus from ZAVIO official website..

www.zavio.com/softwaredownloads.php

ZAVIO PRODUCTS | SOLUTIONS **1. DOWNLOADS** SUPPORT | NEWS | ABOUT ZAVIO

Downloads » Software Downloads

< Downloads

Downloads

2. Software Downloads

EOL Products Downloads

Software Support		
ZAVIO 8ch/16ch Standalone NVR CMS	+	Updated 2017-03-16
ZAVIO CamGraba 64-channel NVR Software License	+	Updated 2016-11-18
ZAVIO CamGraba 64-channel NVR Software Datasheet	+	Updated 2015-12-07
ZAVIO CamGraba 64-channel Software User Manual	+	Updated 2014-06-17
ZAVIO CamGraba 64-channel Software Device Packs (5_8_5_41)	+	Updated 2017-06-29
Z PLUS Management Software (01P001)	3. +	Updated 2017-05-03
ZAVIO NVR Support List	+	

2. Follow the instruction and install Z Plus.

3. Click the icon **Z+** and get into the software.

Z+ Z PLUS - 01P001

ZAVIO

Search

2. Key in the user name and password.

Model ID	UPnP Name	IP Address	MAC Address	Firmware Version	SD Card
88520	88520 5MP Bullet Camera	10.0.0.233	0018FE06B056	01_C03552	
88220	88220 2MP Bullet Camera	10.0.0.232	0018FE065704	0705_01	

1. Find your camera and click on it.

3. Click here to keep the camera in the chosen area.

4. Click on LiveView to get the live image.

Camera Info

User Name : admin

Password : *****

Camera Settings

Liveview size Large Small

Preview

LiveView

Playback

Camera Setting

Multi Camera Setting

Full Screen

Close All Camera

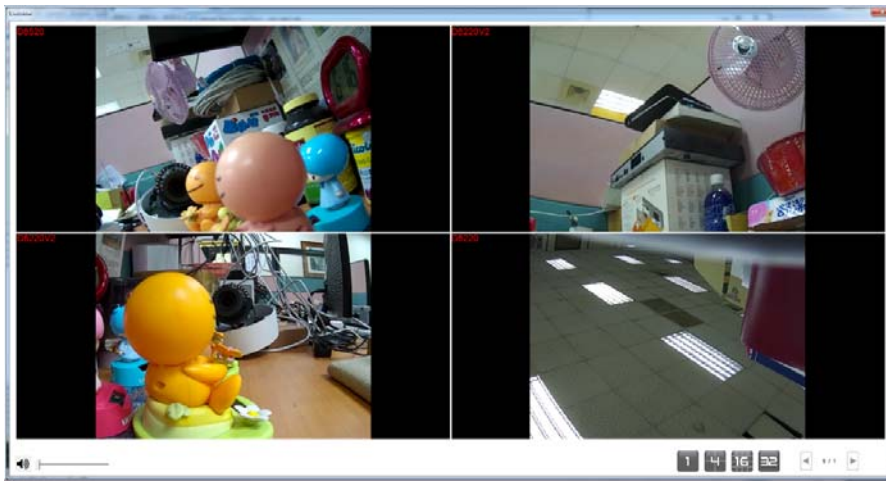
Restart

Add P2P ID

Add Domain/IP

Add

Model ID	UPnP Name	IP Address	MAC Address	Firmware Version	SD Card	P2P
----------	-----------	------------	-------------	------------------	---------	-----



B. Camera setting

1. Choose the camera.

2. Key in the username and password.

3. Click here to adjust camera setting.

Model ID	UPnP Name	IP Address	MAC Address	Firmware Version	SD Card
B8520	B8520 5MP Bullet Camera	10.0.0.233	0018FE068056	01_C035S2	
B8220	B8220 2MP Bullet Camera	10.0.0.232	0018FE0637C4	0705_01	

Information

Product Information

Product Name	B8220 2MP Bullet Camera	Firmware Version	03_C014
Firmware Date	Fri Apr 14 17:25:38 CST 2017	Onvif Version	2.40
MAC Address	00:1B:FE:00:30:22	Date Time	2017-08-17 14:31:25

Bandwidth Usage: Receiving = 126kbps transmitting = 147kbps
 Fan Status: [] Heating Status: []

Security

Video Connection	0	Account	1
Anonymous Viewer	on	HTTPS	Disabled
IP Address Filter	off		

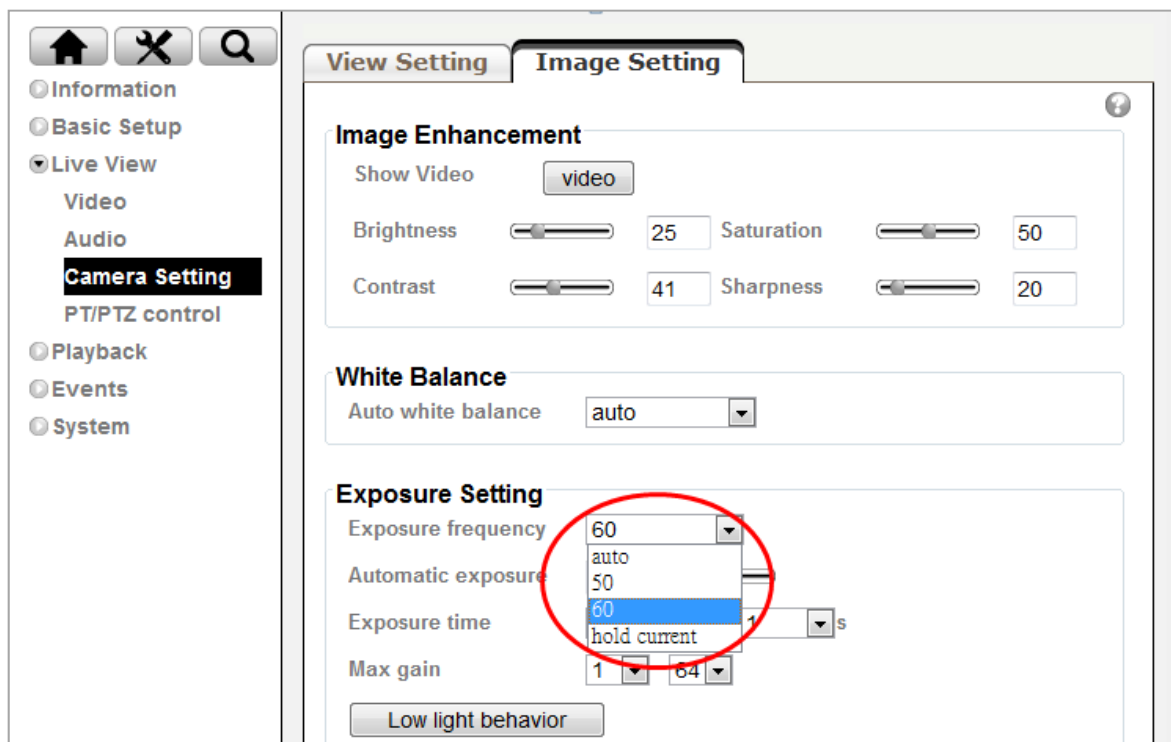
Network

TCP/IP	10.0.0.237	PPPoE	no
UPnP	on	Bonjour	yes
HTTP Port	80	System Log Port	514
RTSP Port	554	SSL Port	443
RTSP Port Range	5000 - 7999		

RTSP Configuration: Configuration: video.pro1, Authentication: anonymous
 RTSP Configuration: Configuration: video.pro2, Authentication: anonymous
 RTSP Configuration: []
 RTSP Configuration: []

Lighting environment setting

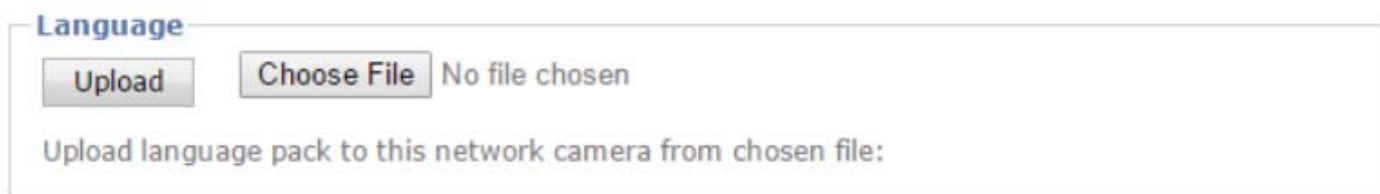
Default setting for lighting environment is Auto. You may change exposure frequency to 50 or 60 Hz at *Setting > Live View > Camera Setting > Image Setting*.



Change the Web Interface into your preferred language

Before accessing the Setting page to change the language of the web interface, you must download the language pack.

1. Go to <http://www.zavio.com/downloads.php> and download the language pack corresponding to your IP camera model.
2. Go to the IP camera setting page and upload the preferred language from the language pack downloaded from step 1.
Setting > System > Maintenance > Language > Upload



3. Once the upload is complete, the browser will automatically change the language.