



Add more **ZIP** to your CCTV!...
...zippy to fit & zippy to learn!

...IP Camera manual

IP-CAM530 / 535 / 570 / 800 / 815 / 870 / 880 / 910 / 920 / 930 Models



Introduction

The Zip IP cameras are available in either ultra-clean looking Diamond white or a beautiful gloss black finish. When surveyed, people preferred on the whole white cameras internally and black cameras externally, so that's what we manufactured!

High resolution 4MP output using the latest H265 compression means you get stunning images but minimise bandwidth and storage requirements.

Built in Smart-PoE means you can power the cameras directly from the Zip PoE NVR (or other PoE devices) for a really easy and neat installation.

Video Analytical features built into the cameras include line crossing, missing object detection and basic face detection. These features do work without the ZipNVR but to get the maximum out of them you need the ZipNVR too so you can record and search activations.

Plug and play with the ZipNVR, they couldn't be easier to fit.

“add more **ZIP** → to your CCTV”.

Zip IP cameras are designed for installation by a professional CCTV installer, for further support, please contact:

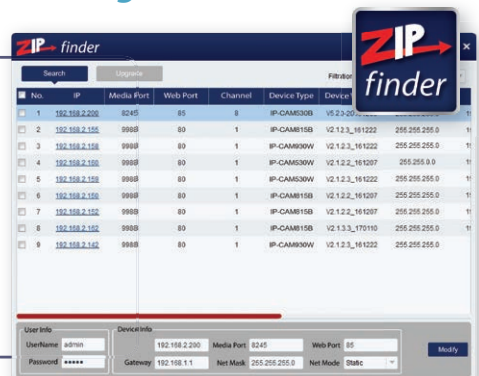
Anti-vandal Varifocal Domes	4
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Have You Seen Our Easy Camera Configuration Tool?

Zip Finder is our handy FREE PC software for discovering and configuring IP cameras on your network.

It's ideal for non-PoE installs and problem solving issues such as forgotten or unknown IP Addresses.

For your FREE software download just visit ZipNVR.com



Anti-vandal Varifocal Domes



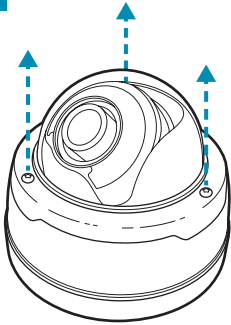
- ✓ Up to 5MP Resolution
 - ✓ Built in PoE
 - ✓ 2.8-12mm Varifocal lens
 - ✓ 40x IR LEDs / 40m range
- + Motorised Option**
- ✓ Motorised Zoom with Auto Focus
 - ✓ Alarm + Audio In/Out
 - ✓ Micro SD Recording

Specification

Onvif Version	2.6
Compression	H.265 / H.264
Resolution	Up To 5 Mega Pixel
Lens	2.8-12mm Varifocal
Day/Night	Mechanical IR Cut Off Filter
IR LEDs	x40
IR Range	Up To 40M
Lux	0 (With IR On)
Use	IP66 For External Use
Dimensions	Ø146mm x 115mm

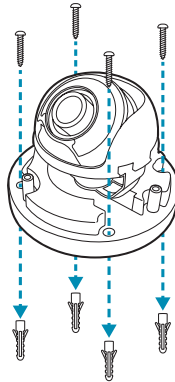
Mounting

1



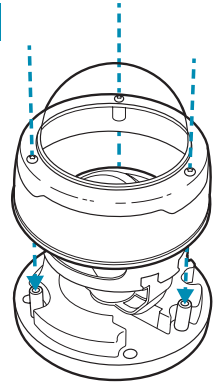
Loosen the three Torx screws in the upper housing and lift off (Torx key supplied).

2



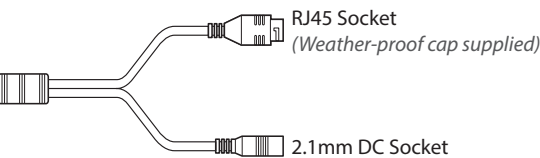
Screw through the camera's base and into the mounting surface using the screws and wall plugs provided.

3

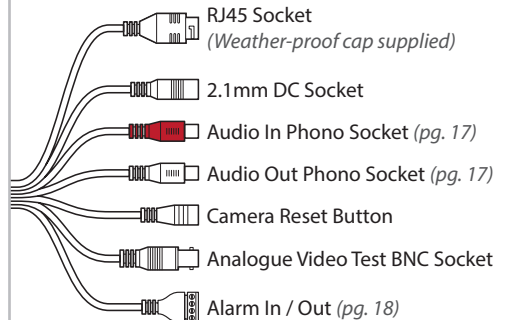


Once the camera is positioned. Replace the upper housing and fasten the three Torx screws.

IP-CAM530 Connections



IP-CAM535 Connections



Wall & Ceiling Mounting



The anti-vandal deep bases offer extra room for easy termination and to disguise cabling and connections for a neat finish.

They are designed for use with the IP-CAM530/353 anti-vandal domes so they fit perfectly.

Code: IP-BASE002B (Black)
Code: IP-BASE002W (White)

Before you start remove the upper housing as shown in "Mounting" step 1.



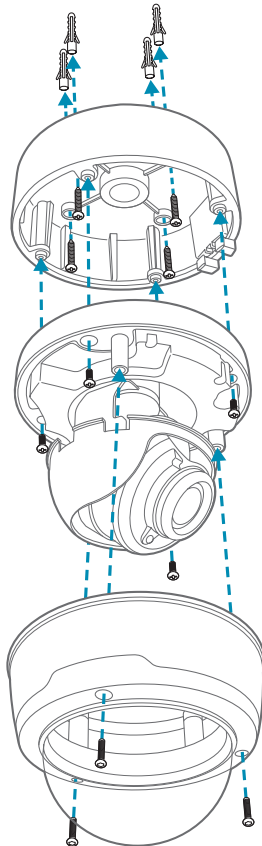
Screw through the four holes in the bottom of the base and into the mounting surface using the screws and wall plugs provided.



Screw through the camera's base and into the deep base using the short flat screws provided.



Tighten the three Torx screws in the upper housing (Torx key supplied).



Pole & Wall Bracket Mounting

A practical way to get the ideal viewing angle. As well as a wall bracket there are 200mm, 300mm and 500mm ceiling brackets available.

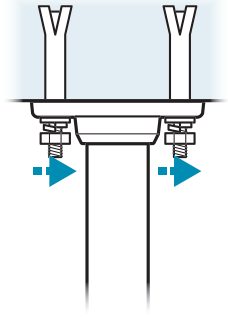
Code: IP-BRKT005B (Wall)
Code: IP-BRKT005W (Wall)
Code: IP-BRKT250B (200mm)
Code: IP-BRKT250W (200mm)
Code: IP-BRKT350B (300mm)
Code: IP-BRKT350W (300mm)
Code: IP-BRKT550B (500mm)
Code: IP-BRKT550W (500mm)



First you'll need to fix the camera to the base as shown in "Wall & Ceiling Mounting" steps 2 and 3.

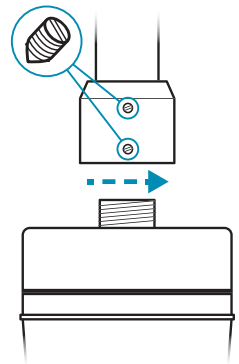
1

Mark the fixing holes on the mounting surface. Drill and insert the four anchor bolts provided. With the bracket over the anchor bolts, place a washers, split ring and then screw a nut on to each exposed thread to secure.



2

Screw the deep base on to the end of the ceiling/wall bracket. Lock the base in-place using the small slotted grubs screws supplied. When ceiling mounting the mounting plates is attached to the opposite end of the pole in the same way.



Mini Fixed Dome



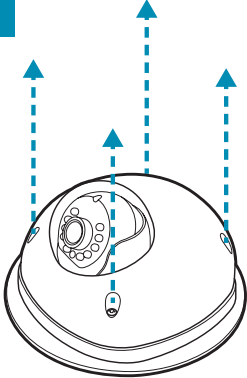
- ✓ Up to 5MP Resolution
- ✓ Built in PoE
- ✓ 3.6mm Fixed lens
- ✓ 12x IR LEDs with up to 10m range
- ✓ Just 65mm Tall

Specification

Onvif Version	2.6
Compression	H.265 / H.264
Resolution	Up To 5 Mega Pixel
Lens	3.6mm Fixed
Day/Night	Mechanical IR Cut Off Filter
IR LEDs	x12
IR Range	Up To 10M
Lux	0 (With IR On)
Use	IP66 For External Use
Dimensions	Ø119mm x 65mm

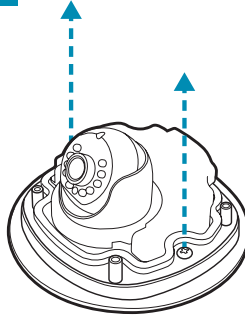
Mounting

1



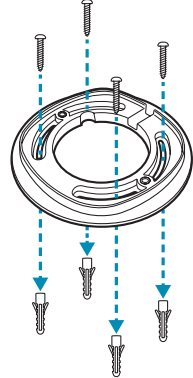
Loosen the four screws in the upper housing and lift off.

2



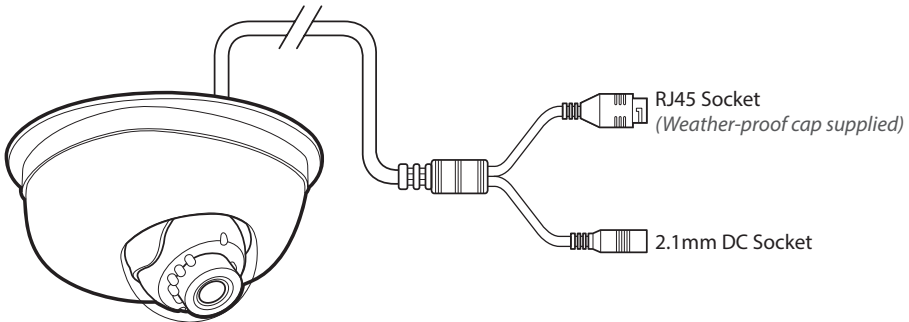
Remove the two black screws in the base of the camera and lift the camera module off the fixing plate.

3



Screw through the four slots in the fixing plate and into the mounting surface using the screws and wall plugs provided.

Connections



RJ45 Socket
(Weather-proof cap supplied)

2.1mm DC Socket

Mini Fixed Eyeball



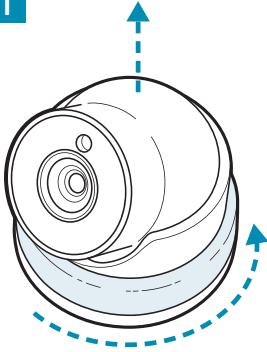
- ✓ Up to 5MP Resolution
- ✓ Built in PoE
- ✓ 3.6mm Fixed lens
- ✓ 18x IR LEDs with up to 30m range
- ✓ Compact Size just Ø90mm

Specification

Onvif Version	2.6
Compression	H.265 / H.264
Resolution	Up To 5 Mega Pixel
Lens	3.6mm Fixed
Day/Night	Mechanical IR Cut Off Filter
IR LEDs	x18
IR Range	Up To 30M
Lux	0 (With IR On)
Use	IP66 For External Use
Dimensions	Ø90mm x 85mm

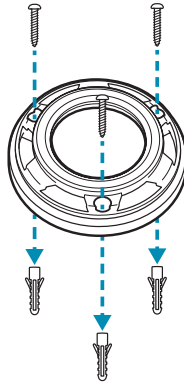
Mounting

1



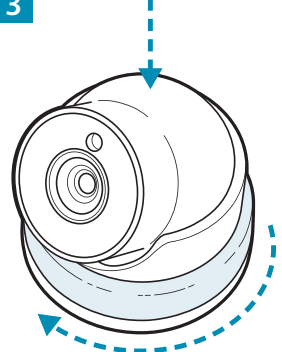
Hold the base then unscrew the collar to release the eyeball. Lift the collar and eyeball off the base.

2



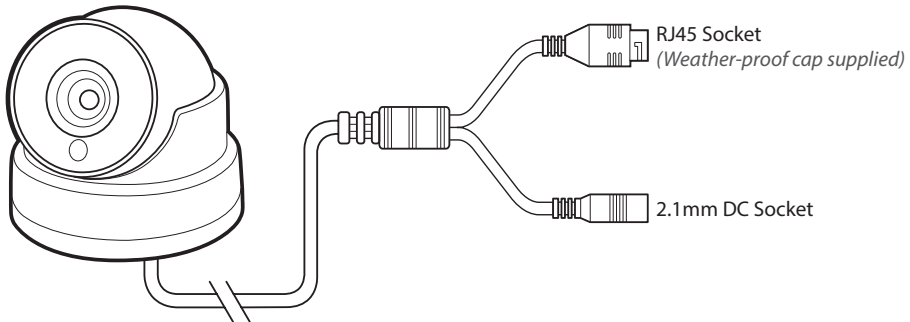
Screw through the three holes in the base and into the mounting surface using the screws and wall plugs provided.

3



Position the camera as required then screw the collar back onto the base while holding the camera in-place.

Connections



Midi Fixed Eyeball



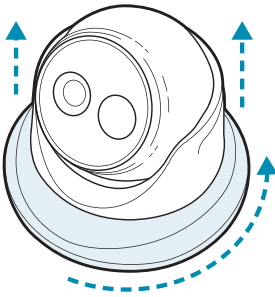
- ✓ Up to 5MP Resolution
- ✓ Built in PoE
- ✓ 3.6mm Fixed lens
- ✓ 1x High Power IR LED with up to 30m range
- ✓ Compact Size just Ø90mm

Specification

OnvifVersion	2.6
Compression	H.265 / H.264
Resolution	Up To 5 Mega Pixel
Lens	3.6mm Fixed
Day/Night	Mechanical IR Cut Off Filter
IR LEDs	x1 High Power
IR Range	Up To 30M
Lux	0 (With IR On)
Use	IP66 For External Use
Dimensions	Ø126mm x 100mm

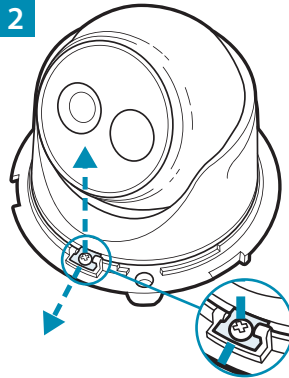
Mounting

1



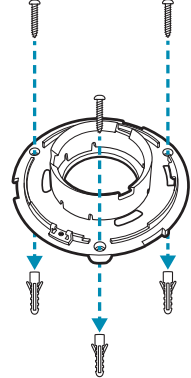
Twist the collar covering the fixing plate to unlock it then lift off.

2



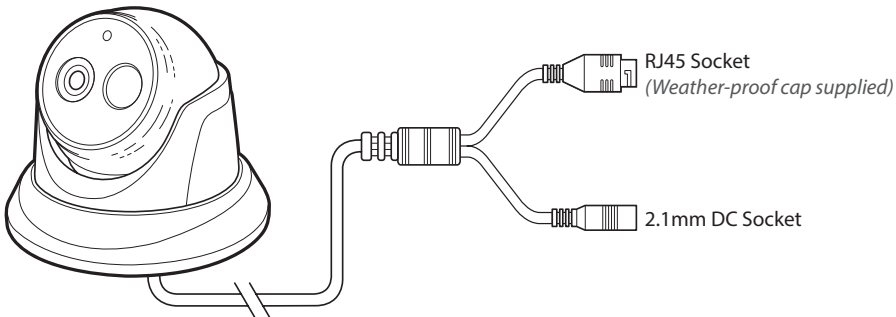
Remove the small screw holding the locking plate in place and then slide out the locking plate.

3



Screw through the three holes in the base and into the mounting surface using the screws and wall plugs provided.

Connections





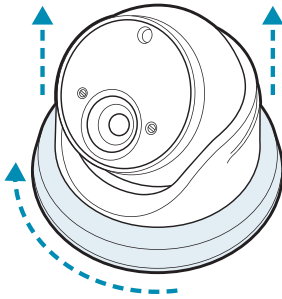
- ✓ Up to 5MP Resolution
 - ✓ Built in PoE
 - ✓ 2.8-12mm Varifocal lens
 - ✓ 2x IR Arrays / 40m range
- + Motorised Option**
- ✓ Motorised Zoom with Auto Focus
 - ✓ Alarm + Audio In/Out
 - ✓ Micro SD Recording

Specification

Onvif Version	2.6
Compression	H.265 / H.264
Resolution	Up To 5 Mega Pixel
Lens	2.8-12mm Varifocal
Day/Night	Mechanical IR Cut Off Filter
IR LEDs	x2 IR Arrays
IR Range	Up To 40M
Lux	0 (With IR On)
Use	IP66 For External Use
Dimensions	Ø151mm x 115mm

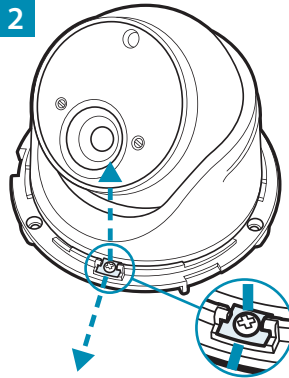
Mounting

1



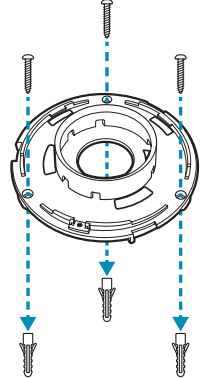
Twist the collar covering the fixing plate to unlock it then lift off.

2



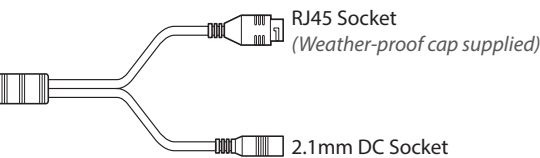
Remove the small screw holding the locking plate in place and then slide out the locking plate.

3

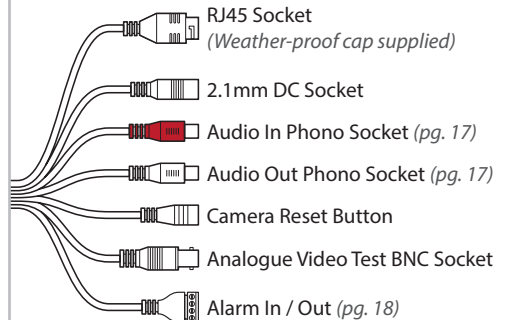


Screw through the three holes in the base and into the mounting surface using the screws and wall plugs provided.

IP-CAM870 Connections



IP-CAM880 Connections



Fixed All-In-One



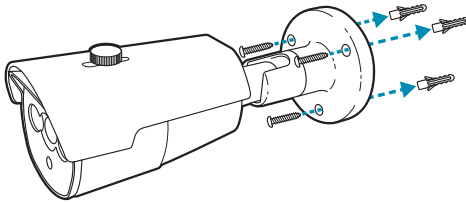
- ✓ Up to 5MP Resolution
- ✓ Built in PoE
- ✓ 3.6mm Fixed lens
- ✓ 2x High Power IR LEDs with up to 60m Range
- ✓ Cable Managed Bracket
- ✓ Compact Size just Ø90mm

Specification

OnvifVersion	2.6
Compression	H.265 / H.264
Resolution	Up To 5 Mega Pixel
Lens	3.6mm Fixed
Day/Night	Mechanical IR Cut Off Filter
IR LEDs	x2 High Power
IR Range	Up To 60M
Lux	0 (With IR On)
Use	IP66 For External Use
Dimensions	(h)79.5mm x (w)82mm x (d)140mm (ex bracket)

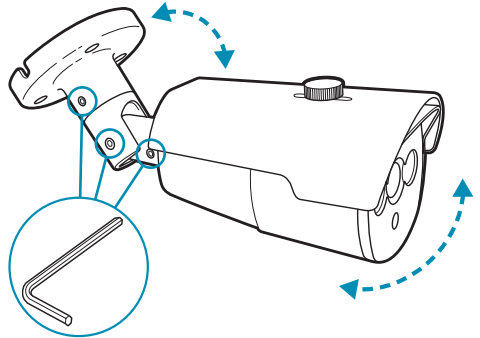
Mounting

1



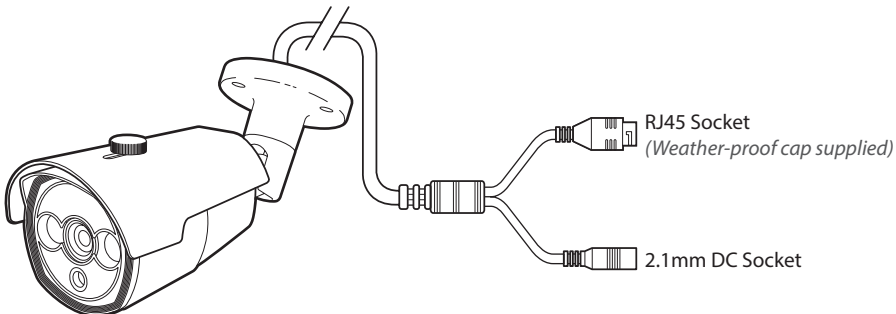
Screw through the three holes in the base of the bracket and into the mounting surface using the screws and wall plugs provided.

2



Using the Allen Key supplied loosen the three locking screws on bracket. The camera can then be positioned as required. When finished tighten the locking screws to secure the camera.

Connections





- ✓ Up to 5MP Resolution
- ✓ Built in PoE
- ✓ 2.8-12mm Varifocal lens
- ✓ 2x IR LEDs / 60m range

+ Motorised Option

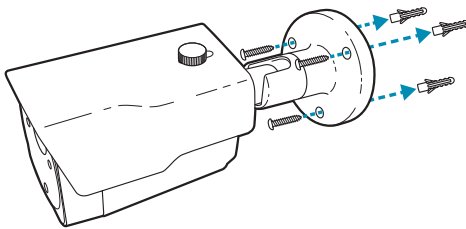
- ✓ Motorised Zoom with Auto Focus
- ✓ Alarm + Audio In/Out
- ✓ Micro SD Recording

Specification

Onvif Version	2.6
Compression	H.265 / H.264
Resolution	Up To 5 Mega Pixel
Lens	2.8-12mm Varifocal
Day/Night	Mechanical IR Cut Off Filter
IR LEDs	x2 High Power
IR Range	Up To 60M
Lux	0 (With IR On)
Use	IP66 For External Use
Dimensions	(h)88.5mm x (w)88mm x (d)141mm (ex bracket)

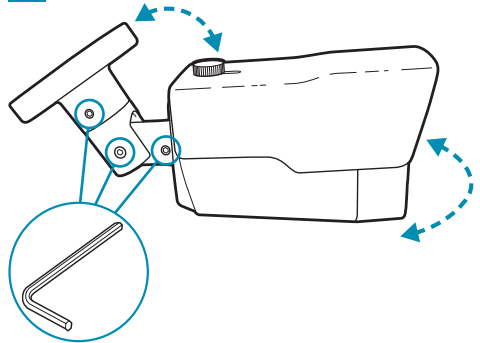
Mounting

1



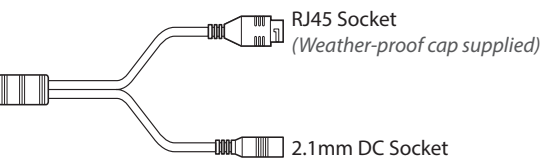
Screw through the three holes in the base of the bracket and into the mounting surface using the screws and wall plugs provided.

2

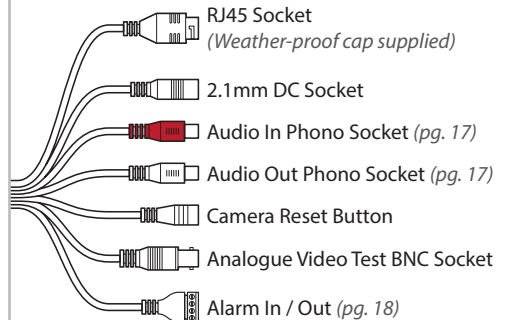


Using the Allen Key supplied loosen the three locking screws on bracket. The camera can then be positioned as required. When finished tighten the locking screws to secure the camera.

IP-CAM920 Connections



IP-CAM930 Connections

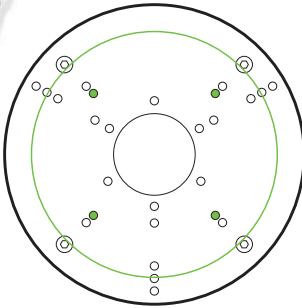


Universal Deep Bases

The universal deep bases are designed to fit the majority of the Zip camera range. They make installation and maintenance much easier as all connections are made inside the base. There are wall/ceiling mount and pole mount options available in black or white.

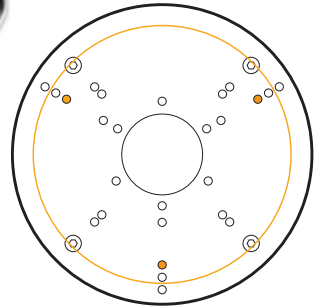


IP-CAM570 - Fixing Guide



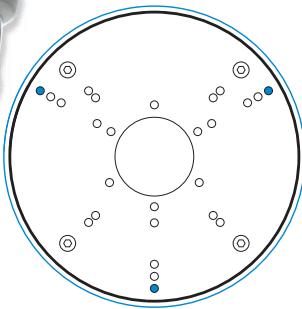
Mount the camera as shown on **page 6**. However on step 3, use the flat screws provided with the base to secure the camera to the base rather than the mounting surface.

IP-CAM815 - Fixing Guide



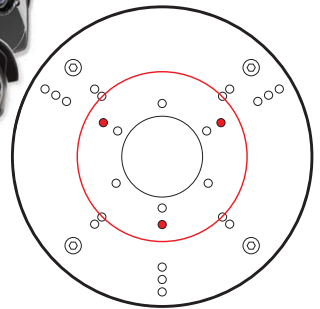
Mount the camera as shown on **page 8**. However on step 3, use the flat screws provided with the base to secure the camera to the base rather than the mounting surface.

IP-CAM870/880 - Fixing Guide



Mount the camera as shown on **page 9**. However on step 3, use the flat screws provided with the base to secure the camera to the base rather than the mounting surface.

IP-CAM910/920/930 - Fixing Guide



Use the flat screws provided with the base to secure the camera to the base rather than the mounting surface.


Wall & Ceiling Mounting




The universal deep bases offer extra room for easy termination and to disguise cabling and connections for a neat finish.

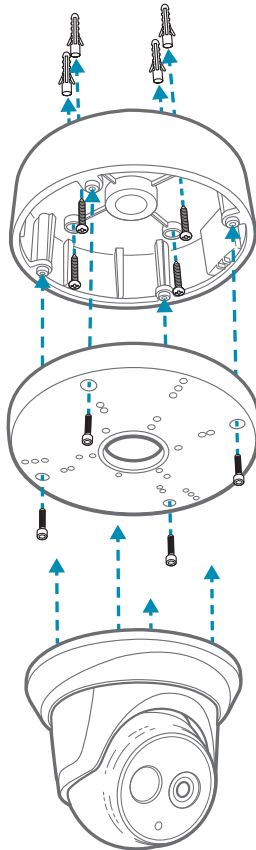
They are designed for use with most of the Zip range so you know it'll be a perfect fit.

Code: IP-BASE001B (Black)
Code: IP-BASE001W (White)

1  x4 x4
 Screw through the four holes in the bottom of the base and into the mounting surface using the screws and wall plugs provided.

2  x4
 Thread the camera's cable through the lid and through the deep base. Screw lid to the deep base using the Hex screws and Allen key supplied with the base.

3
 Fix the camera to the deep base as described on the opposite page.



Pole & Wall Bracket Mounting

A practical way to get the ideal viewing angle. As well as a wall bracket there are 200mm, 300mm and 500mm ceiling brackets available.

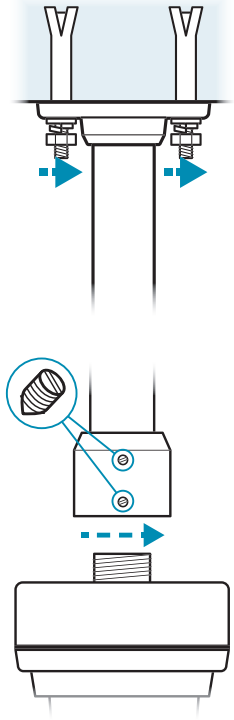
Code: IP-BRKT001B (Wall)
Code: IP-BRKT001W (Wall)
Code: IP-BRKT200B (200mm)
Code: IP-BRKT200W (200mm)
Code: IP-BRKT300B (300mm)
Code: IP-BRKT300W (300mm)
Code: IP-BRKT500B (500mm)
Code: IP-BRKT500W (500mm)



First you'll need to fix the camera to the base as shown in "Wall & Ceiling Mounting" steps 2 and 3.

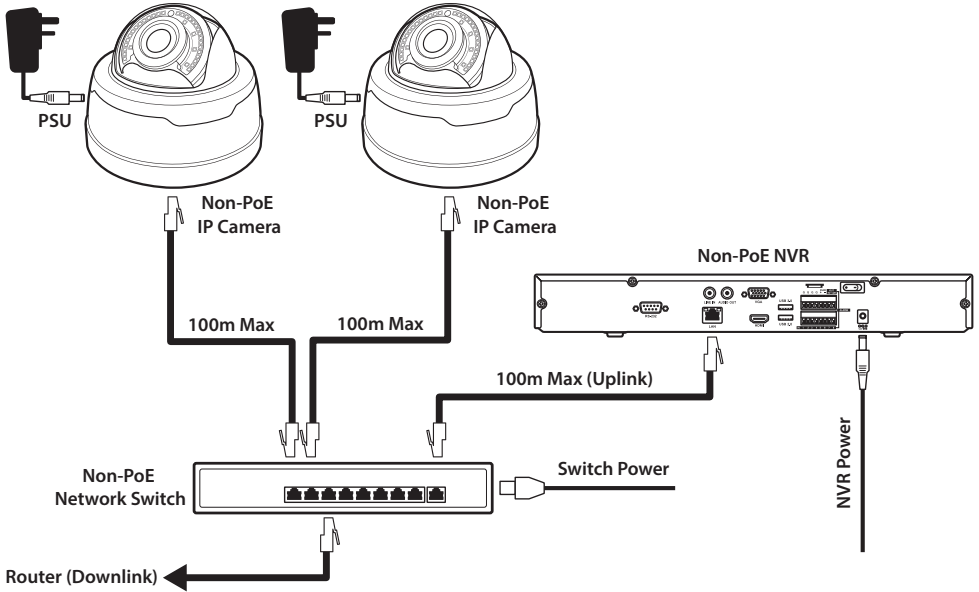
1
 Mark the fixing holes on the mounting surface. Drill and insert the four anchor bolts provided. With the bracket over the anchor bolts, place a washers, split ring and then screw a nut on to each exposed thread to secure.

2
 Screw the deep base on to the end of the ceiling/wall bracket. Lock the base in-place using the small slotted grubs screws supplied. When ceiling mounting the mounting plates is attached to the opposite end of the pole in the same way.



How To Connect To A Non-PoE NVR

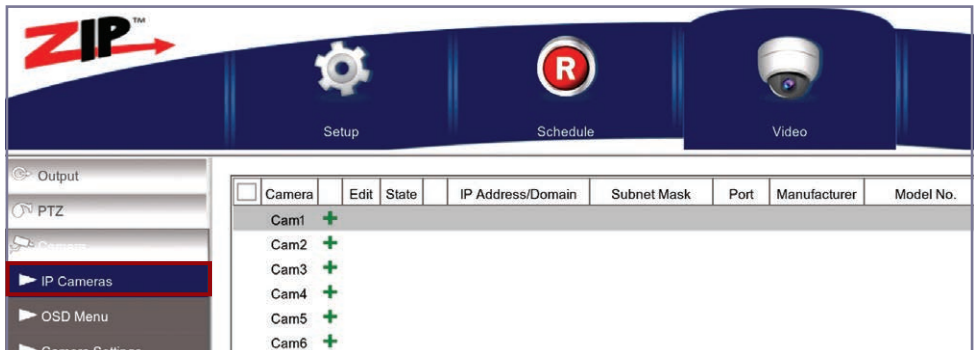
When connecting cameras to a non-PoE NVR, they are first connected to a network switch which is in-turn connected to the NVR as shown below. The cameras are powered locally, from a PoE switch or in-line with a PoE injector.



Adding Cameras To A Non-PoE NVR

This is also the method used when connecting PoE cameras through a switch or non Zip IP cameras.

- 1 From the **Main Menu** go to the **Video** menu and select **Camera > IP Cameras**.



- Click **Auto Assign IP to Camera(s)**. In the dialogue box you will be asked to enter the **User Name** and **Camera Password** for the camera(s) you are looking to add. If multiple cameras have the same credentials they will all be added at the same time. Once entered click **OK**.

Zip IP Camera Default Credentials - User Name: **admin** / Password: **777777**

The screenshot shows the ZIP NVR web interface. At the top, there are navigation icons for Setup, Schedule, and Video. On the left, there is a sidebar menu with options like Output, PTZ, Cameras, IP Cameras, OSD Menu, Camera Settings, Motion Detection, Privacy Mask, ZIP Channel, Playback, Encoding, and Smart. The main area displays a table of cameras. A dialog box titled 'Auto Assign IP to Camera(s)' is open, showing 'User Name' as 'admin' and 'Camera Password' as '*****'. Below the dialog box, the 'Auto Assign IP to Camera(s)' button is highlighted with a red box.

Camera	Edit	State	IP Address/Domain	Subnet Mask	Port	Manufacturer	Model No.
Cam1	+						
Cam2	+						
Cam3	+						
Cam4	+						
Cam5	+						
Cam6	+						
Cam7	+						
Cam8	+						
Cam9	+						
Cam10	+						
Cam11	+						
Cam12	+						
Cam13	+						
Cam14	+						
Cam15	+						
Cam16	+						

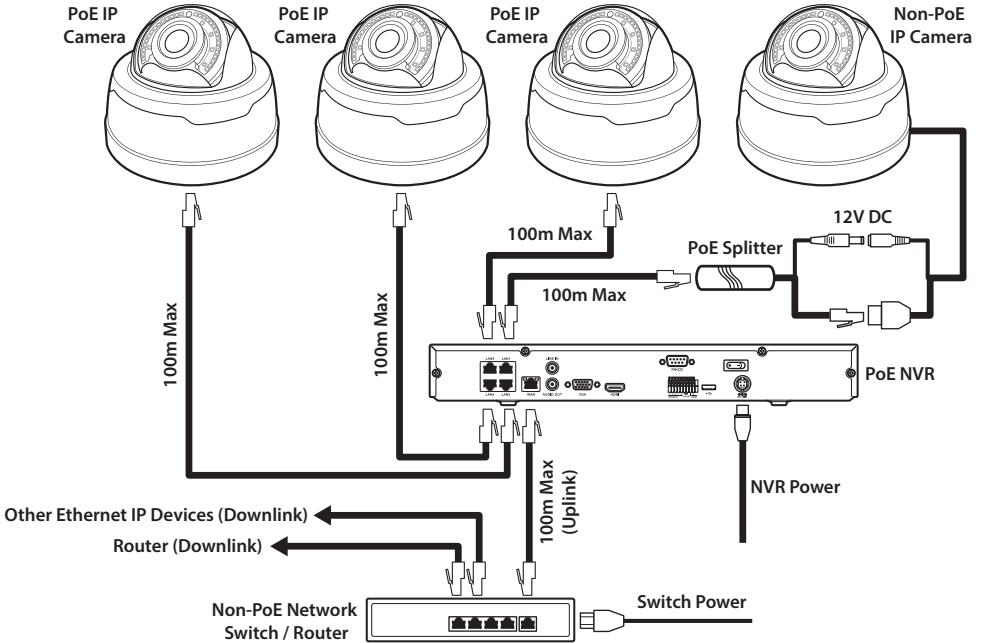
- Finished!** After a few seconds all successfully added cameras will display in the camera list. From here you can also edit individual camera network settings if required without the need of a PC.

The screenshot shows the ZIP NVR web interface after successful IP assignment. The camera list now includes IP addresses and subnet masks for Cam1 through Cam4. The 'Auto Assign IP to Camera(s)' button is no longer visible.

Camera	Edit	State	IP Address/Domain	Subnet Mask	Port	Manufacturer	Model No.
Cam1			192.168.1.151	255.255.255.0	8240		IP CAMERA
Cam2			192.168.1.152	255.255.255.0	8240		IP CAMERA
Cam3			192.168.1.153	255.255.255.0	8240		IP CAMERA
Cam4			192.168.1.154	255.255.255.0	8240		IP CAMERA
Cam5	+						
Cam6	+						

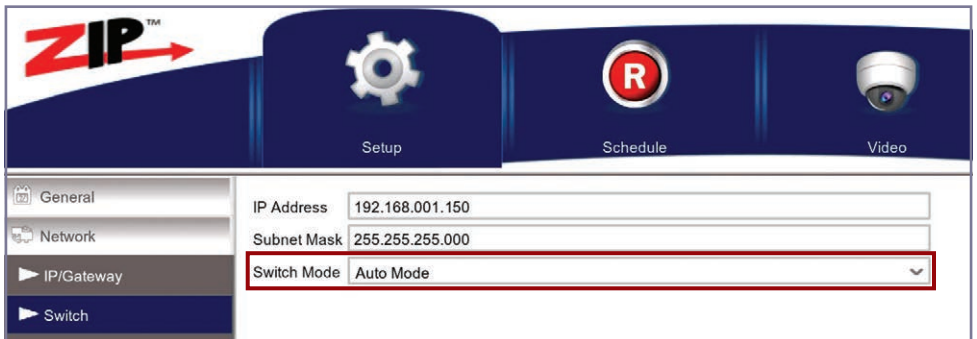
How To Connect To A PoE NVR

When connecting PoE cameras to a PoE NVR they are connected directly to one of the PoE ports on the NVR as shown below. Non-PoE cameras can also be added in this way with the use of PoE splitters.



Adding Cameras To A PoE NVR

- 1 From the **Main Menu** go to **Setup > Network > Switch**. Set the **Switch Mode** to **"Auto Mode"**, and click **Save**. Wait a few seconds for the cameras to be discovered and that's it, easy.



Note: If you're connecting through a switch or non Zip IP cameras follow steps 1 to 3 on page 14.

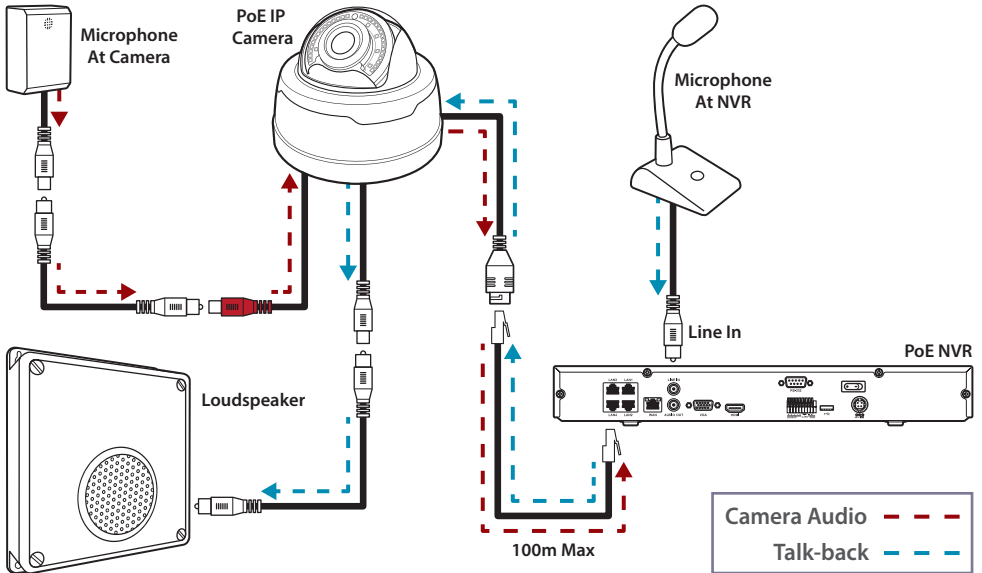
How To Connect A Camera's Audio



The pro motorised lens Zip IP cameras feature audio in and out (IP-CAM530, 880 and 930).

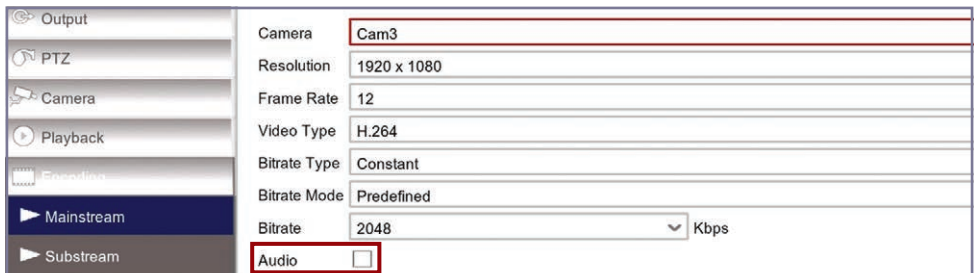
The audio input allows you to install a microphone at the camera location. The audio is then sent with the camera's image back to the NVR for video and audio recording.

The audio out is a useful feature as it lets you talk-back to site. A microphone is connected to the NVR's Line In and the audio is sent to the selected camera, through the audio out phono to a connected loudspeaker. You can even talk-back through the Zip remote software and mobile apps.



How To Enable Audio Recording

- 1 From the **Main Menu** go to **Video > Encoding > Mainstream**. Select a camera with a microphone connected from the **Camera** drop down list, tick the **Audio** check-box and click **Save**.

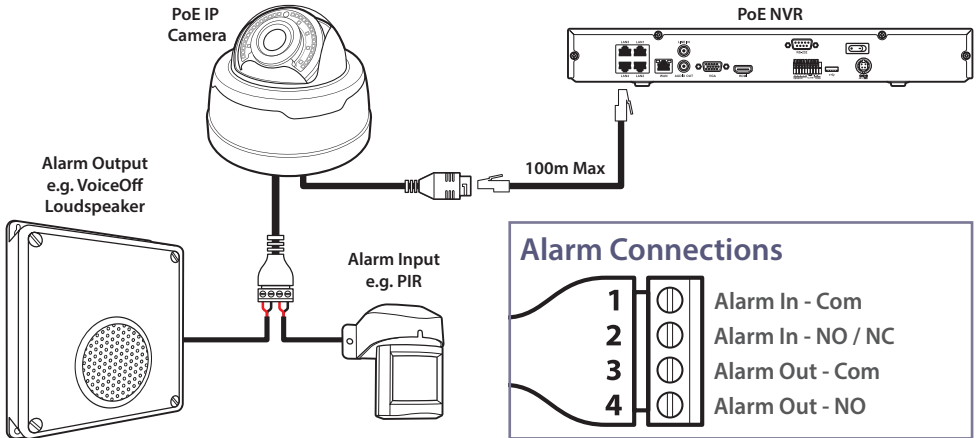


Note: The audio check-box will only be displayed if the selected camera has a microphone connected.

How To Connect A Camera's Alarm Inputs/Outputs

The pro motorised lens Zip IP cameras feature alarm in and out (IP-CAM530, 880 and 930).

The camera's alarm inputs and outputs can be handled by the NVR in the same way as local alarms. The camera's alarm input can also be used to trigger local SD card recording in the camera itself. For more information see the Zip IE browser manual (page 19).



How To Setup Alarm Handling

- 1 From the **Main Menu** go to **Setup > Alarm**. From the **Alarm Input** drop down list you can choose the camera's IP address as an alarm input when an alarm trigger is connected to the camera.
- 2 Set the **Alarm Type** to match that of the alarm trigger, **Dwell Time**, **Audio Warning**, **Post Recording** time, alarm handling e.g. **Send Email** and which channel(s) you wish to record.
- 3 Click **Alarm IO Scheduler** to set the alarm schedule. The alarm will be active during the periods marked in red. Finally click **Trigger Alarm Out** to automatically trigger an alarm output. Choose one of the NVR's local outputs or a camera's alarm output by selecting the camera's IP address.

General
Network
Users
Alarm
RS485/RS232
Exceptions

Alarm Input: 192.168.1.151

Alarm Type: Normally-Open

Dwell Time: 10 s

Audio Warning: OFF

Post Recording: 30 s

Display Message: FTP:

Send Email: Full Screen:

Camera: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ZipNVR.com

The Zip NVR website is a great resource when in need of a little extra help and guidance. There's information on the cameras and NVRs, manuals, software, tools and support. Just visit www.ZipNVR.com

The NEW ZipNVR range with auto-detection and configuration of IP cameras. Zip by name, ZIPPY by nature!

Zip NVR - Professional CCTV for businesses and homes. Not available for retail - Installers please use our "Contact us" form. Thank you, Zip Team (based in Derbyshire, UK)

Zip IP CCTV - the easy to fit IP CCTV system

QUICK LINKS

- HOME
- Zip NVR Range
- Zip IP Cameras

Zip NVR Quick Start Guide

The Zip NVR quick start guide is full of helpful information, diagrams tips and how to guides to get up and running with your NVR.

Visit ZipNVR.com or scan the QR for your copy.



NVR & Camera IE Browser Manual

The browser manual shows you how to configure and control your Zip NVR and cameras through the Windows Internet Explorer internet browser.

Visit ZipNVR.com or scan the QR for your copy.



Zip Camera Manual

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