



Instruction Manual

IP-CAM852

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Introduction

1.1 Key Features - IP-CAM852W

The IP-CAM852W is a eyeball style camera designed for the more budget conscious IP systems. The eyeball supports motion detection and has a tough metal exterior, ideal for both outdoor and indoor uses. Up to 45m IR range (true day/night filter), 2MP resolution, built in PoE, H265 and H264 codec.

- PoE & 12V
- SD card slot
- Micro SD Card Slot
- Audio In - Audio Out
- 2.8-12mm Manual Vari-focal lens
- 2MP
- IR
- Perfect for ZIP NVR Kits

1.2 Essential Tools and ZipFinder

To install this product you will need:

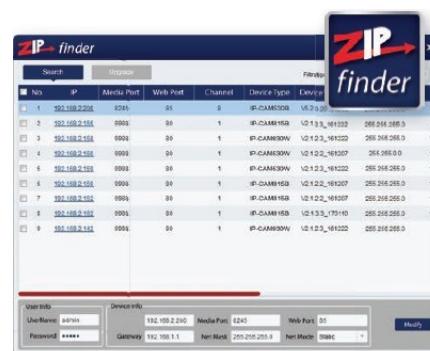
- Laptop / Windows PC
- Screwdriver
- Drill
- Hammer
- ZIP NVR or DVR
- PoE Switch / 12V DC power supply
- Ethernet CAT5/5e/6 Cable

ZipFinder - IP Camera Configuration Tool

ZipFinder is a Windows PC software for discovering and configuring IP cameras a network.

Use ZipFinder on non-PoE installs, to help problem solving issues such as forgotten or unknown IP Addresses.

To download visit ZipNVR.com



Connections and Dimensions

2.1 IP-CAM852W



Powering the camera

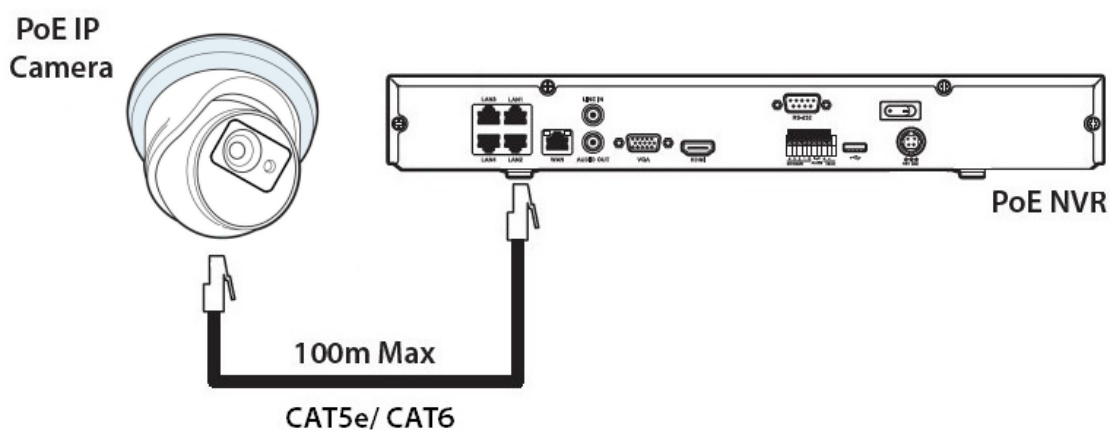
Option 1 - Power the camera from 12V DC (via the 2.1mm DC Socket), the current consumption is 750mA.

The camera is polarity sensitive so connections must be correctly made.

Option 2 - Power the camera using a PoE 48V RJ45 Socket

When connecting ZIP PoE NVR plug the camera directly into the NVRs built in PoE switch.

The camera should automatically become visible after being connected for approximately 1 minute.



Dimensions



*Dimensions Exclude Bracket

Mounting and SD Card Installation

For local recording on the camera itself an SD card must be installed.

Recording time will vary dependent upon: SD card size and encoding settings

32GB SD Card ≈ 31 hours

64GB SD Card ≈ 62 hours

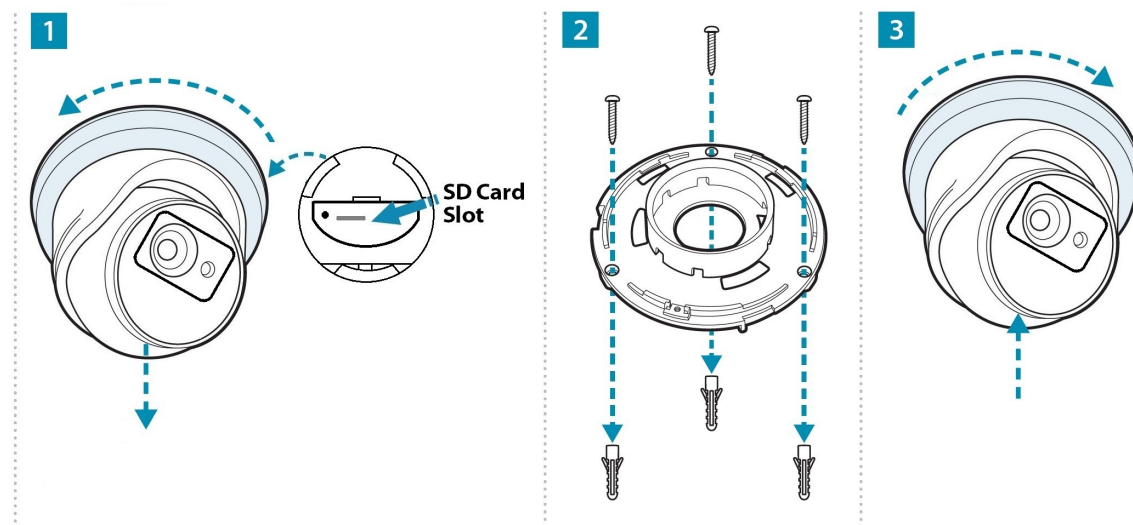
128GB SD Card (MAX) ≈ 124 hours

256GB SD Card (MAX) ≈ 248 hours

The camera can be set to only record when triggered via motion detection, alarm input or AI smart, this maximises the recording time achievable.

Remove power from the camera when inserting / removing the SD card.

3.1 Eyeball



A template is provided in the box for marking the hole positions for the fixing screws.

Setup Options

4.1 PoE ZIP NVR

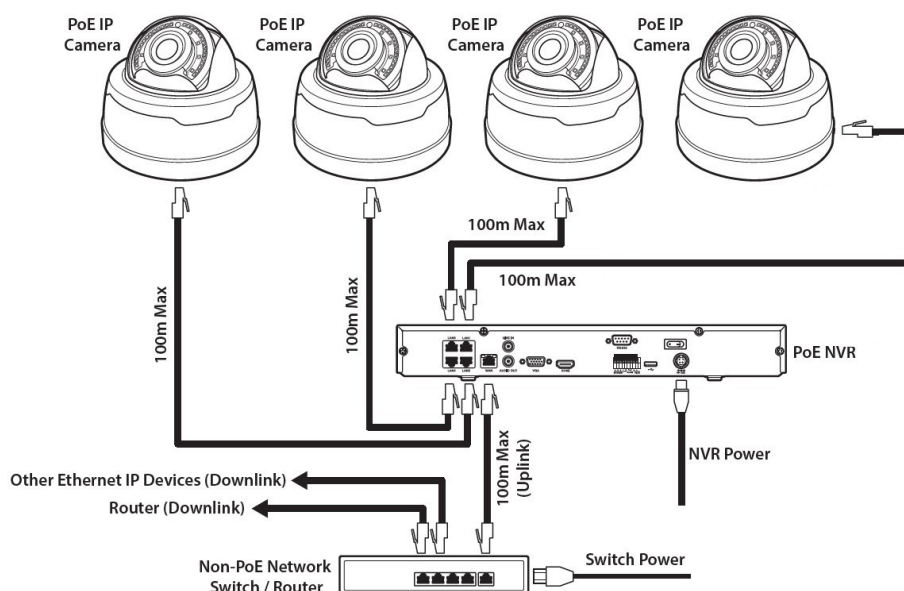
When connecting to a **ZIP PoE NVR** plug the camera directly into the NVR's built in PoE switch.

The camera should automatically become visible after being connected for approximately 1 minute.

The 100m distance for a camera can be increased when the PoE Mode is set to EPoE.

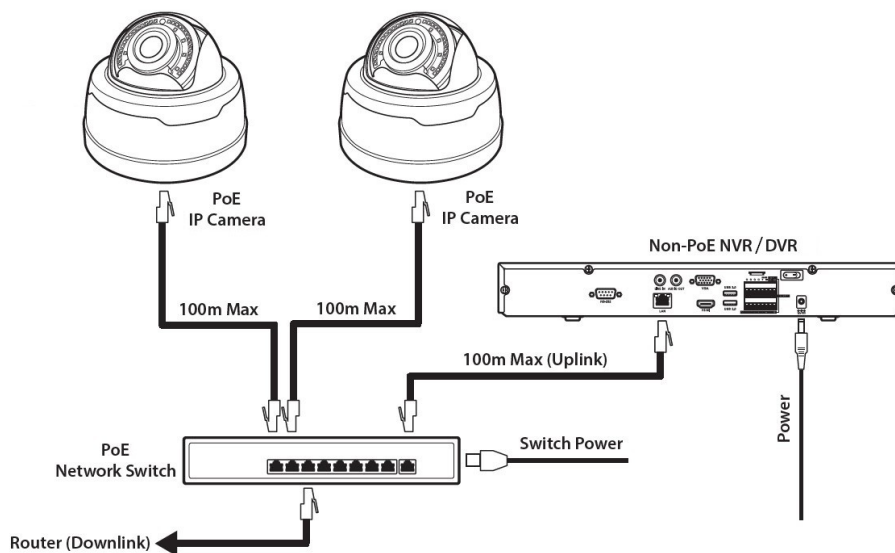
In the menu on a ZIP PoE NVR go to:-

Video > IP Channels > PoE Mode



4.2 Non-PoE ZIP NVR

When connecting cameras to a **Non-PoE NVR**, they are first connected to an external network switch which is in-turn connected to the NVR as shown below.



See [Extra Resources](#) ¹⁴ for more information on **Adding IP Cameras manually** to a ZIP Recorder.

How to Login via Browser

The AI smart features can be configured in a ZIP recorder or directly in the browser interface of the camera (standalone)

Only one smart detection feature can be enabled at any given time.

See the NVR or DVR manual for information on configuring these features with a ZIP recorder.

Follow the steps below for configuring the settings directly in the camera via a browser for standalone setup.

You will need...

- Windows Based PC/ Laptop connected to router/ PoE switch
- ZipVision Pro App on Mobile Device
- PoE Switch connected to Network/ Router
- Ethernet network cable
- [ZipFinder](#) software, available via this link below:-

www.softcctv.com/store/Item/Zip-Finder-IP-CCTV-Security-Camera-Discovery-Tool

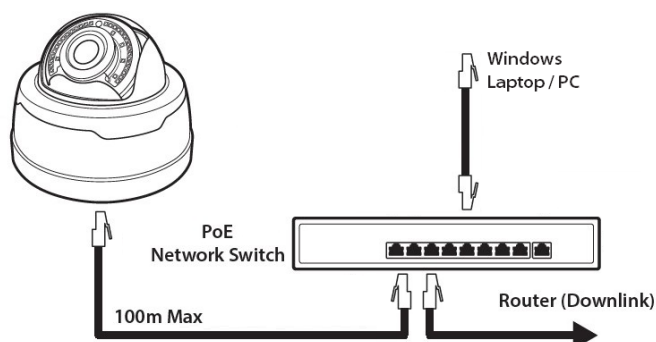
NOTE If the PC being used is on a different IP range to the PC then add the IP range of the camera to the PC using the below guide:-

PDF Version :- http://www.cctvmanuals.com/pdf/tips/How_to_add_an_IP_Range.pdf

HTML Version :-

http://www.cctvmanuals.com/tips/How_to_add_an_IP_Range/index.html

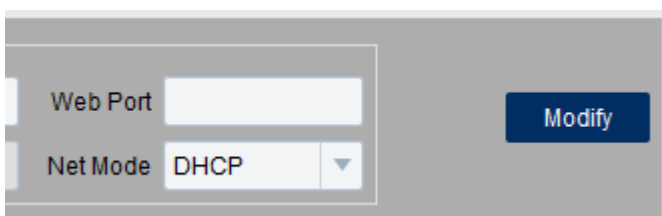
1. Plug the camera's RJ45 port with a network cable into a PoE switch



2. Using ZipFinder on a Windows Based PC/ Laptop **Search** and then tick the camera



3. Select Net Mode = **DHCP**, then click **Modify**



4. **Search** again, to get the updated IP address.

5. **Select** the IP address of the camera, Internet Explorer will pop-up, and ask to download and install the plug-in.

6. **Download, install** and follow the steps for the plug-in installation, then re-load the browser by **selecting** the IP address again.

5. Login to the IP Camera, the **default** login details are:-

Default IP	192.168.10.1
DCHP	Off
User Name	admin
Password	777777

Browser Menu Settings

6.1 IP-CAM852W

The menu can be configured directly in the browser interface of the camera (standalone), in Remote Setting you will find the menu settings below:-

Video	Live		Name	Camera (user editable)
			Date Format	DD/MM/YYYY / MM/DD/YYYY / YYYY/MM/DD
			Time Format	24 Hour / 12 Hour
			Flicker Control	50Hz / 60Hz
			Show Name	Enable / Disable
			Show Time	Enable / Disable
			OSD Self-adaptive	Enable / Disable
	Image Control		Image Setting	Automatic Mode / Colour Mode / Black White Mode / Image Mode / Schedule
			IR-CUT Delay	1 -36 (Default 2)
			IR-LED	SmartIR / Manual
			Angle Trad	180 / 0
			Mirror	Disable / Vertical / Horizontal / All
			Exposure Compensation	DWDR / HLC / BLC / Disable
			White Balance	Automatic mode / Manual
			Shutter	Automatic mode / Manual
			Time Exposure	1/5 to 1/200000 / Flickerless
			3D Noise Reduction	OFF / Automatic Mode / Manual
	Privacy Mask		Enable / Disable	
Record	Encode	Mainstream	Resolution	1920 x 1080
			FPS	1 - 30 (Default 30)
			Video Code Type	H.265 / H.264
			Video Code Level	Main Profile
			Bitrate Control	CBR / VBR
			Bitrate Mode	Predefined / User-Defined

			Bitrate	256 to 4096 (Default 4096)
			I Frame Interval	1 to 120 (Default 60)
			Audio	Enable / Disable
			Save / Refresh	
		Substream	Resolution	640 x 480
			FPS	1 – 20 ((Default 20)
			Video Code Type	H.265 / H.264
			Video Code Level	Main Profile
			Bitrate Control	CBR / VBR
			Bitrate Mode	Predefined / User-Defined
			Bitrate	128 to 1024 (Default 512)
			I Frame Interval	1 to 80 (Default 40)
			Audio	Enable / Disable
			Save / Refresh	
	Record	Record	Stream Mode	Mainstream / Substream
			Record	Enable / Disable
			PreRecord	Enable / Disable
			Netbreak	Enable / Disable
			Save / Refresh	
		Schedule	User Definable	
			Save / Refresh	
Event	Setup	Motion	Enable	Enable / Disable
			Sensitivity	1 to 8
			Save / Refresh	
	Alarm	Post Recording	OFF / 5s / 10s / 20s / 30s	
		Send Email	Enable / Disable	
		FTP Picture Upload	Enable / Disable	
		Enable Record	Enable / Disable	
		Save / Schedule / Refresh		
Network	General	General	DCHP	Enable / Disable
			IP Address	User-definable
			Subnet Mask	User-definable
			Gateway	User-definable
			DNS 1	User-definable
			DNS 2	User-definable
			Video Encryption Transmission	Enable / Disable

			Save / Refresh	
	Port Configuration	HTTP Port	User-definable	
		Client Port		
		HTTPS Port		
		RTSP Port		
		P2P Enable	Enable / Disable	
			Save / Refresh	
	Email		Email	Enable / Disable
			Encryption	OFF / SSL / TLS / Automatic mode
			SMTP Port	1 - 65535
			SMTP Server	User-definable
			Username	
			Password	
			Sender	
			Receiver 1	
			Receiver 2	
			Receiver 3	
			Interval	
			Save / Test / Refresh	
		RTSP		RTSP Enable
			Anonymous Login	Enable / Disable
			Instruction: rtsp://IP:RtspPort/ch01/A A: 0(main stream), 1(sub stream), 2(mobile stream)	
			Save / Refresh	
	DDNS		DDNS	Enable / Disable
			Server	NO IP / DYNDNS
			Hostname	User-definable
			Username	User-definable
			Password	User-definable
Storage	Disk	Select Disk		
		Overwrite	OFF / Auto	
		Save / Format Hard Disk / Refresh		
	Audio	Enable Audio	Enable / Disable	
		Output Volume	0 – 8	
		Input Volume	0 – 8	
		Audio Code Type	G711A / G711U	
			Save / Refresh	
	Cloud	Cloud Storage	Enable / Disable	

		Cloud Type	Dropbox			
		Driver Name	Customise (Default IP-PTZ650W)			
		Refresh / Save / Activate Cloud				
System	General	Date and Time	Time Setting mode	Static / NTP server synchronization		
			Date Format	Day/Month/Year Year-Month-Day Month/Day/Year		
			Time Zone	GMT -12:00 to GMT + 13:00		
			Time Format	24Hour / 12 Hour		
			System Time	User-definable		
			Server Address	Time.windows.com / time.nist.gov / pool.ntp.org / Define User		
			Save / Synchronize computer time / Refresh			
		Daylight Saving Time	Daylight saving time	Enable / Disable	Set by week / set by date	
			Start Time	User-definable		
			End Time	User-definable		
			Time Offset	1Hour / 2 hours		
			Save / Refresh			
		Multi-User	Customize Each user	Password (Edit)	Username	User-definable
					Password	User-definable
					Password Strength	User-definable
					Confirm	
			Refresh			
	Maintain	Log	Log Type	System / CON. / Alarm / Account / Record / Storage / Network / All		
				Search		
			Start Time		User-definable	
			End Time		User-definable	
			Load Default	All / Video / Record/ Event / AI / Network/ Storage / System		
				Save / Refresh		
			Upgrade	Path	Search Local Files	Upgrade
			Save / Load	Import File	Search Local Files	Import
		Export File Name		Search Local Files	Export	
		Auto Reboot	Auto-maintenance Time	Enable / Disable		
				Date / Week / Month		

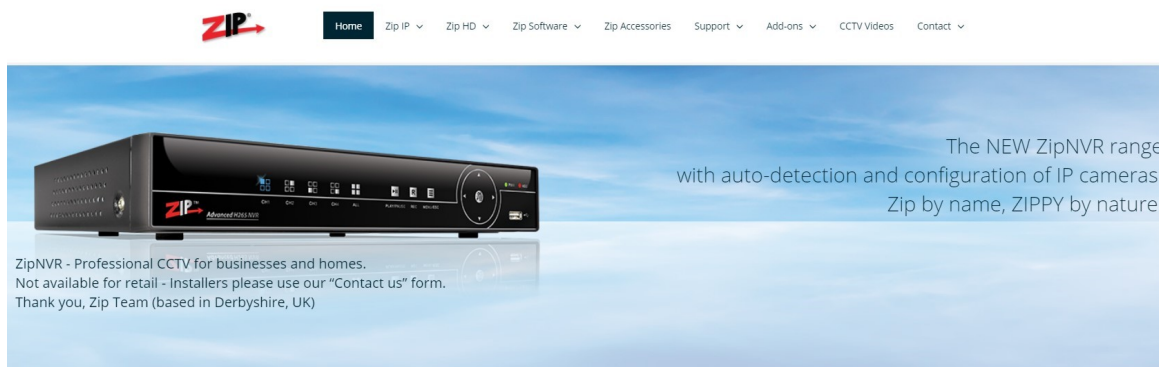
				Mon / Tues / Wed / Thur / Fri / Sat / Sun
				Time
				Save / Refresh / Reboot
	Information	Device ID		
		Device Name		
		Device Type		
		Hardware Version		
		Software Version		
		Web Version		
		Mac Address		
		P2P ID		
		Refresh		

Extra Resources

7.1 ZipNVR.com Website

The Zip NVR has a range of information on the cameras and NVRs, manuals, software, tools and support:-

www.zipdvr.com



7.2 Adding IP Cameras to a ZIP recorder

How to guide on Adding IP Cameras:-

www.zipdvr.com/howto/TIP459-How-To-Add-IP-Cameras.html

7.3 AI Setup

See the ZIP NVR full manual for more information on AI setup;

Note: AI Features will vary depending on model

Full Instruction Manual



<https://systemq.com/PDF/manual/xZIP4.pdf>

7.4 ZIP Firmware

Firmware for the zip products are available online:-

www.zipdvr.com/firmware.html

Compare the firmware in the product against that available online.

General Maintenance

- Routinely clean the camera to prevent dust build up as this can effect the performance of the camera. It is recommended to use a damp non-abrasive microfibre cloth.
- Routinely check the connections for power and data to ensure no water ingress and corrosion.
- Check that the cameras are firmly attached to the wall or mounting bracket.
- Check playback in the recorder to ensure the camera is recording and triggering properly.

Specifications

9.1 IP-CAM852W

Image Sensor	1/ 2.7" Progressive CMOS
Resolution	2MP 1920(H)×1080(V)
Lens Type	2.8-12mm Manual Vari-focal Lens
Shutter	1/5 ~ 1/20000s
Day/Night	Mechanical (True Day-Night)
Min. Illumination	0 (With IR On)
IR Range	Up to 45m
Digital Noise Reduction	3D DNR
Video Compression	H.264 / H.265
Video Bitrate	128Kbps ~ 4Mbps
Stream Options	Mainstream, SubStream
System Compatibility	ONVIF (Profile S, Profile G, Profile T)
Connection	RJ45 10M / 100M Ethernet PoE
SD Card	Micro SD Card Slot (up to 256GB)
Audio (RCA)	1 Input / 1 Output
Input Voltage	PoE or 12V DC 700mA (PSU Required)
Consumption	8W Max
Operating Temperature	From -30 to 55 deg°C
Backlight Control	D-WDR
Use	IP66 For External Use
Dimensions	Ø135mm x (H) 127mm

Conditions

All specifications are approximate. System Q Ltd reserves the right to change any product specifications or features without notice. Whilst every effort is made to ensure that these instructions are complete and accurate, System Q Ltd cannot be held responsible in any way for any losses, no matter how they arise, from errors or omissions in these instructions, or the performance or non-performance of the equipment that these instructions refer to.



WEE/CG0783SS

This symbol on the products and/or accompanying documents means that used electronic equipment must not be mixed with general household waste. For treatment, recovery and recycling please return this unit to your trade supplier or local designated WEE/CG0783SS collection point as defined by your local council.



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