



ZIP IP-PTZ650W Optical Zoom Camera System User Guide

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ZIP IP-PTZ650W Optical Zoom Camera System



Product Name	ZULU IP-PTZ650W
Trademark	Zip (registered trademark of System Q Ltd)
Optical Zoom	33x
Autofocus	Yes
Sensor	5MP (1080p)
Rotation Speed	Up to 200 deg/sec
Pan Speed	Up to 100 deg/sec
Tilt Speed	With onboard features compatible with the Zip NVR and DVR

Product Usage Instructions

Powering the camera

Option 1: Power the camera from 12V DC / 24V AC (via the 2.1mm Power Socket). Connection wires – see overleaf.

Option 2: Power the camera using the PoE(48V) RJ45 Socket. When connecting 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 2 minutes.

Default login details

- **Default IP:** 192.168.10.1
- **User Name:** admin
- **Password:** 777777
- **DHCP:** ON

If using a separate PoE switch or an IPmitter (wireless bridge), the camera needs to be manually configured. Scan the QR code to the left for the “how-to” guide. To search for ZIP IP cameras on a network via a Windows PC, use the ZipFinder tool. Visit <https://www.softcctv.com/store/Item/Zip-Finder-IPCCTV-Security-Camera-Discovery-Tool> for more information.

PTZ Control on a ZIP NVR or DVR

1. Click on the image in the Live view
2. Click on the PTZ button

Mounting

1. Mark the hole positions using the mounting bracket or using the measurements on the diagram to the right.
2. Drill the holes and install the wall plugs.
3. Feed the PTZ cable loom through the bracket, then secure using the short screws provided. Attach the safety cable from the bracket to the dome.
4. Fit the PTZ to the wall using the screws provided. Ensure the PTZ cable enters via a lower position so that water does not run down to the camera.
5. Use silicon sealant around the base and where the cable enters the PTZ. The connections for the camera need

to be installed in a waterproof box or similar.

Connection Wires

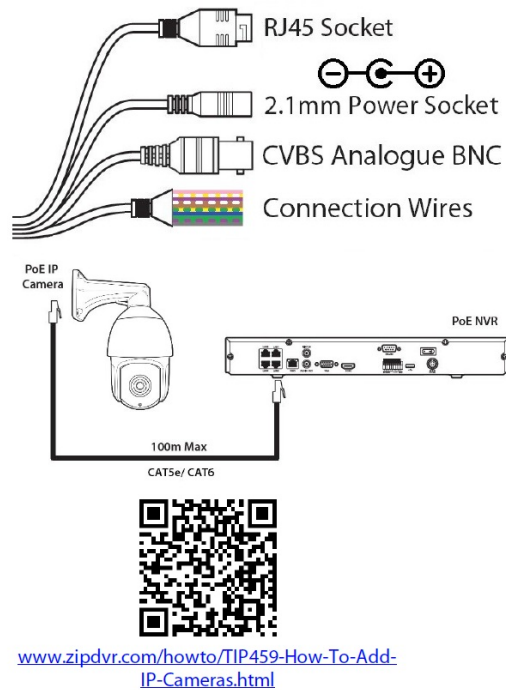
Wire	Color
AUDIO IN	Pink
AUDIO OUT	White/Yellow
AUDIO GND	Purple
RS485+	White/Brown
RS485-	Brown
Ground	Yellow/Green
ALARM IN	Blue
ALARM GND	Green/Purple
ALARM OUT+	Green
ALARM OUT-	Grey

Specifications

Image Sensor	1/2.7 Progressive CMOS
Resolution	5MP (2592×1944)
Lens Type	Mechanical (True Day-Night)
Angle of View	AGC On: Color: 0.005 lux, B/W: 0.0001 lux, 0 lux
Video Compression	—
Video Output	—
Alarm	—
Audio (RCA) Connection	—
Protocols	—
User Logins	—
PTZ Control	—
IR Range	—
Backlight Control	—
Pan Range	—
Presets	—
Preset Speed	—
Use Operating Temperature	—
Weight	—
Input Voltage	—

All specifications are approximate. System Q Ltd reserves the right to change 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 for any losses, no matter how they arise, from errors or omissions in these instructions, or the performance or non-performance of the equipment referred to.

The ZULU IP-PTZ650W has a 33x optical zoom with auto-focus and a 5MP (1080p) sensor. The PTZ supports 360° endless rotation, up to 200 deg/sec pan speed, and up to 100 deg/sec tilt speed. With onboard features compatible with the Zip NVR and DVR.



Default login details are:

- Default IP 192.168.10.1
- User Name admin
- Password 777777
- DHCP ON

Powering the camera

Option 1 – Power the camera from 12V DC / 24V AC (via the 2.1mm Power Socket).

Connection wires – see Overleaf

Option 2 – Power the camera using the PoE(48V) RJ45 Socket.

When connecting ZIP PoE NVR plug the camera directly into the NVR built-in PoE switch. The camera should automatically become visible after being connected for approximately 2 minutes.

Manually Adding IP Cameras to a ZIP

If using a separate PoE switch or an IPmitter (wireless bridge), the camera needs to be manually configured, scan the QR code to the left for the “how to guide”.

Searching via a Windows PC

Use the ZipFinder tool to search for ZIP IP cameras on a network via a Windows PC.

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

Default login details are:

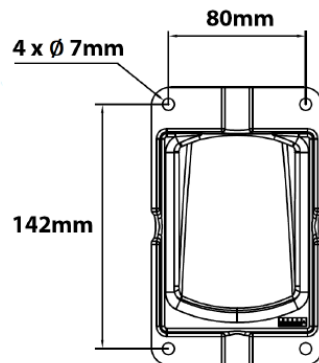
PTZ Control on a ZIP NVR or DVR

1. Click on the image in the Live view
2. Click on the PTZ button

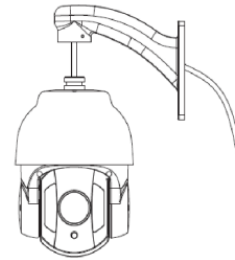
Mounting



1. Mark the hole positions using the mounting bracket or using the measurements on the diagram to the right.
2. Drill the holes and install the wall plugs.













2. Feed the PTZ cable loom through the bracket, then secure using the short screws provided. Attach the safety cable from the bracket to the dome.



3. Feed the PTZ cable loom through the bracket, then secure using the short screws provided. Attach the safety cable from the bracket to the dome.
4. fit the PTZ to the wall using the screws provided. Ensure the PTZ cable enters via a lower position so that water does not run down to the camera. Use silicon sealant around the base and where the cable enters the PTZ. The connections for the camera need to be installed in a waterproof box or similar.

Connection Wires


AUDIO IN	 Pink
AUDIO OUT	 White/Yellow
AUDIO GND	 Purple
RS485+	 White/Brown
RS485-	 Brown
Ground	 Yellow/Green
ALARM IN	 Blue
ALARM GND	 Green/Purple
ALARM OUT+	 Green
ALARM OUT-	 Grey

Specifications




Image Sensor	1/ 2.7" Progressive CMOS
Resolution	5MP (2592×1944)
Lens Type	33X Optical Zoom (4.3mm – 141.9mm)
Angle of View	57° Wide x 2.4° Telephoto
Shutter	1/5 ~ 1/20000s
Day/Night	Mechanical (True Day-Night)
Min. Illumination	AGC On: Color: 0.005 lux, B/W: 0.0001 lux, 0 lux with IR
Video Compression	H.264 / H.265
Video Output	CVBS (Analogue) BNC Output
Alarm	1 Input / 1 Output
Audio (RCA)	1 Input / 1 Output
Connection	RJ45 10M / 100M Ethernet PoE
Protocols	TCP/IP, HTTP,DHCP, DNS,DDNS,RTSP, PPPoE, SMTP,NTP, UPnP,FTP
User Logins	Max 5 Simultaneous User Logins
PTZ Control	RS485 or Ethernet PTZ Control
IR Range	Up to 150m
Backlight Control	BLC / D-WDR
Pan Range	360°endless
Presets	255
Preset Speed	Max. 200°/sec
Use	IP66 For External Use
Operating Temperature	-30°C~+60°C
Weight	Approximately 2kg
Input Voltage	PoE (48V) / 24V AC / 12V DC

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Documents / Resources

	<p>ZIP IP-PTZ650W Optical Zoom Camera System [pdf] User Guide T33Zx, O33Px, TOICPATLIC5AML5MP, IP-PTZ650W Optical Zoom Camera System, Optical Zoom Camera System, Zoom Camera System, Camera System</p>
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References

-  [Home - System Q Ltd - Systemq.com](#)
-  [Zip Finder - IP Camera Discovery Tool - SoftCCTV.com](#)
-  [Home - System Q Ltd - Systemq.com](#)