



MZ-HD30-8-C Installation Guide

READ THIS FIRST

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Check Receipt of All Components

1.1 Component List

Before you proceed, be sure you have received all of the components listed below:

- Fixed 1080p HD camera
- Torx wrench
- Bag of mounting screws and wall anchors (4)
- Plastic bag with waterproofing gaskets (Ethernet Cable)



MZ-HD30-8-C

If ordered, you may have also received:

- a) Any special mounting equipment (e.g. IVC Pole Mount Kit)

NOTE: Only one bench test kit is enclosed per order, it may be in a separate box

NOTE: Special mounting equipment may be in a separate box and may require additional materials for installation. (Consult the specific kit for more information)

1.2 Additional Installation Requirements

The following items are required to properly complete installation:

- Phillips head screwdriver
- Small flathead screwdriver
- Straight-through Ethernet cable with RJ-45 connectors
- A Windows™ computer running IVC Camera Management Software
- A Windows™ computer running Internet Explorer 11.
- Tools for Special Mounting Kit (e.g. IVC Pole Mount Kit). (See kit for details)

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Set Up and Bench Test Camera

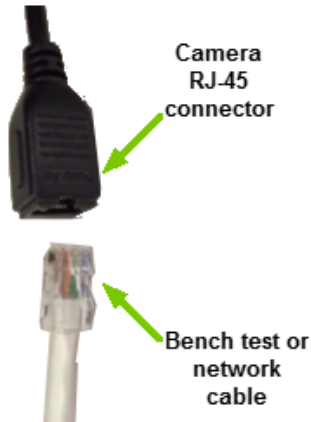
2.1 Remove Packaging and Inspect Camera

Inspect the camera for any signs of damage. Keep in mind the enclosure lens is constructed of soft acrylic for optimal optical characteristics. It can be scratched easily. Use only a damp soft cloth or vigorous water spray to clean.

If any damage occurred during shipping please call our support line (617-467-3059) for assistance.

2.2 Connect Ethernet Cable

The camera is provided with a cable pigtail with various connector options. Connect the bench test cable or network Ethernet cable to the RJ-45 connector on the camera's pigtail.



When power is supplied the camera, the port of the computer or switch to which the camera is connected should show link activity.

2.2.1 Waterproofing the Ethernet Connection

Use the supplied bag to waterproof your network connection as shown below.



2.3 Connect Power

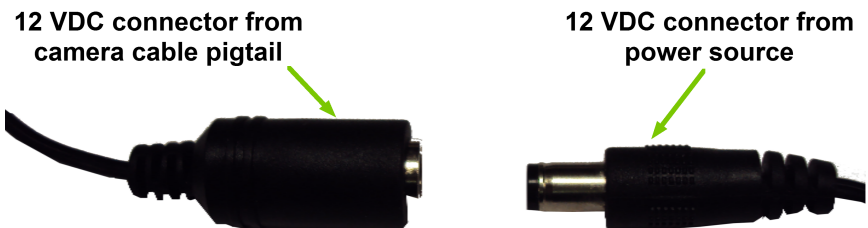
The MZ-HD30-8-C is offered with several power options. To connect power for the camera you purchased, select the appropriate option below.

PoE

No additional wiring is required. Terminate the CAT5 cable connected to the camera to an IEEE 802.3af compliant PoE injector, switch port, or midspan to provide power to the camera.

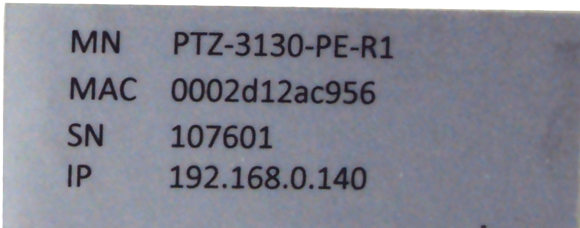
12 V DC

The camera pig tail includes a black male cylindrical power connector for 12 VDC operation. Use a power source that has a mating cylindrical female plug (2.1mm x 5.5mm) with center positive polarity for this connector.



2.4 Set Camera IP Address

For your convenience, the camera's default IP is printed on the information label attached to the camera box.



Example camera information label

The camera's IP address has been set on a 192.168.0.x/ class network. For this section, the computer you are using for bench testing must be set to the same subnet as the camera (e.g. 192.168.0.###). Consult your network administrator if you need assistance.

Once you have located the IP address please follow the instructions below to set it to a permanent address:

1. Using a web browser enter the IP Address in the address bar, install the required ActiveX control if prompted by the browser and check that you are able to see live video.
2. When prompted by your browser, enter the camera username (factory default = **admin**) and password (factory default = **123456**).



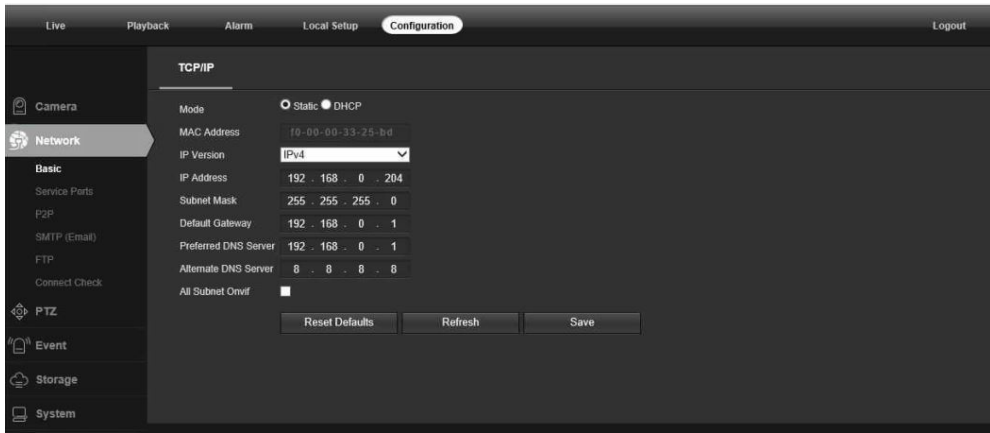
3. To change the IP address click the **Configuration** button on the menu.



4. Click on **Network** in the menu on the resulting page. In the expanded menu, click on **Basic**.



5. On the resulting page, enter the new IP address, Subnet Mask, and Default Gateway. Click the **Save** button when satisfied with the camera's network settings.



6. Enter the new IP address in the address bar of your browser and observe live video on the **Live** page.

2.5 Bench Test Completed

This concludes the bench test. Reassemble the camera.

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Configuring IVC VMS Software

This chapter covers the settings for your IVC software that are unique to this camera. For more details on IVC software configuration and operation, consult the documentation provided with the software.

3.1 Relay Server Settings

To configure the MZ-HD30-8-C in the Relay Server:

1. Enter the IP address of the Relay Server into your browser.
2. Login to the Relay Server when prompted for credentials. The user logging in must have sufficient rights to configure Relay Server.
3. Click on the **Management** link.
4. Click on the **Cameras** tab.
5. In the **Basic** menu, click **Camera**.
6. Click the **Camera** drop down menu and select an available ID number. Type a name for this camera in the corresponding text field.
7. Click the **Enable camera** check box.
8. In the **Encoder** drop down menu, select I-H1.
9. In the **IP address** text fields type the camera's IP address and Port number.
10. Enter the camera's username and password into the **Username and password** text fields.
11. Configure all other fields as shown below.

Camera Setup

Camera

Camera: (Required) 1) test ▼ test

State

Active: Enable camera

Encoder Type

Encoder: (Required) LH1 ▼

Pan/Tilt: Select pan/tilt code ▼ Camera: Select camera code ▼

Camera

IP address: (Required) IP Address Port: 80 Channel: 1

Username and password: admin 123456

Image type: H.264 ▼ Stream ID: 1 Stream setup

Image resolution: Standard ▼ Image quality: Normal ▼

Frame rate: 10.00 fps NOTE: A value of zero will result in maximum camera frame rate

Control COM: 1 Device ID: 1

Camera orientation: Flip orientation

Submit Restore

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Install Camera

The sections of this chapter describe the steps necessary to install the camera at its operational location.

CAUTION: All installations must insure the camera assembly is mounted securely to ensure that it cannot become dislodged during high wind, accidental bumping or other such incidents. All wiring must comply with NEC, NFPA, and local codes.

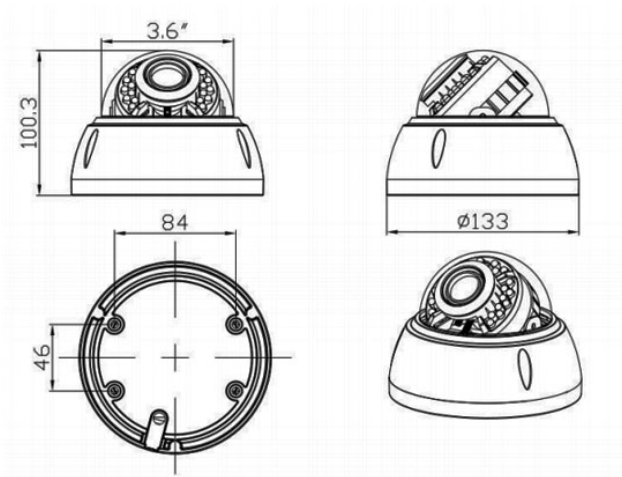
NOTE: IVC is not liable for direct or consequential damages resulting from use of this product and IVC makes no guarantees regarding results of intended and unintended use of the product. If this product is used in a manner not specified by IVC, the protection provided by the product may be impaired.

4.1 Mount the Camera

It is important to mount the camera to a solid, stable surface or pole. Pole mount kits and other mounting accessories are available. Contact IVC for more information.

Prepare your installation tools, such as screwdriver, hammer, electric percussion drill, nylon cable ties, electrical insulating tapes, etc.

Refer to the mounting pattern shown below.



1. Hold the perforating paper and trace out all the holes locations to the wall or ceiling. Then punching and knocking in the plastic plug if needed.

4.2 Camera Power

In some circumstances, IP cameras may require an occasional power interruption to reinitiate the camera software after installation. Ideally, the power for each installed camera should be routed through a permanent and conveniently accessible power switch.

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Support Information

If you experience any problems please call us (617-467-3059) or email support@ivcco.com.

Please note that no equipment (in-warranty or out-of-warranty) should be sent back to IVC without an Return Material Authorization (RMA). Contact IVC support or your IVC sales representative for an RMA.

CAUTION: All installations must insure the camera assembly is mounted securely to ensure that it cannot become dislodged during high wind, accidental bumping or other such incidents. All wiring must comply with NEC, NFPA, and local codes.

NOTE: IVC is not liable for direct or consequential damages resulting from use of this product and IVC makes no guarantees regarding results of intended and unintended use of the product.

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Appendix A - Camera Specifications

Imager	1/2.8" IMX335 CMOS
Shutter	1/25s ~ 1/100000s
Minimum Illumination	0.01 Lux Color 0 Lux (IR on) to 30m
Exposure	Auto
White Balance	Auto
Iris	Auto
Focus	Auto
Zoom Ratio	4x
View Angle	30° - 100°
Focal Length	2.8 -12 mm
F-number	F1.2
Ethernet	10/100 Mbps Ethernet (RJ-45)
Resolution	1080p, 720p, 4CIF, CIF
Compression	H.264
Frame Rate	25 FPS at 1080p
Protocols	TCP/IP, HTTP, FTP, SMTP
Weight	2.3 lbs.
Voltage Required	IEEE 802.3af compliant PoE, 12 VDC
Power Consumption	< 10 W
Operating Temperature	-20°C - 60°C
Dimensions	6.19" W x 4.86" H
Rating	IP66, IK10

