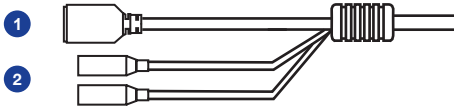
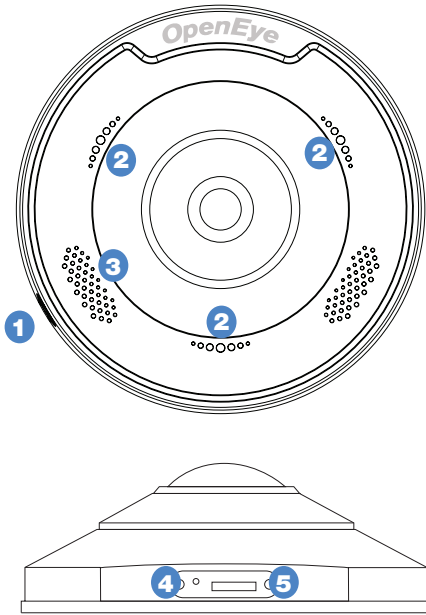


CAMERA

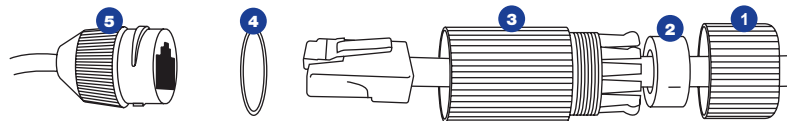


Environmental and Power	
Power Consumption	9.6W Max
Input Voltage	48v PoE Only
Operating Temperature	-31° ~ 140°F (-35° ~ 60°C)
IP Rating	IP66

OE-C97512	
Cover release	1 To access mounting holes, reset, and microSD slot
Built-in microphones	2 Audio In
Speaker	3 Audio Out
Reset Button (Under Cover)	To restore the camera to factory defaults: 1. Disconnect power for 30 seconds. 2. Reconnect power and wait 30 seconds. 3. Close the jumper connection with a proper tool for 20 seconds.
MicroSD Card Slot	Supports up to 128GB microSD card for Edge storage. Do not add or remove the microSD card when the camera is powered on.

Cable Connections		
RJ-45	1	Data Connection
Audio I/O	2	Audio In
		Audio Out

Connector Kit



1	Thread lock cap	4	Rubber "O" ring
2	Rubber plug	5	Camera cable
3	RJ45 enclosure		

OpenEye

The Cloud Video Platform

Liberty Lake, WA, USA
509.232.5261

openeye.net

Copyright ©2020 OpenEye.
All Rights Reserved. Information contained in this document is subject to change without prior notice. OpenEye does its best to provide accurate information but cannot be held responsible for typos or mistakes.

OpenEye®

QUICK START GUIDE

OE-C97512 | 12MP Fisheye IP Camera

This quick start guide provides only basic information on the camera's settings and operation for initial installation. Please read the user manual for optimal camera configurations.

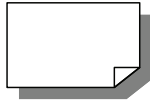
36830AE

openeye.net

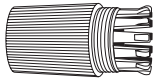
BOX CONTENTS



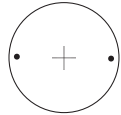
OE-C97512 /
IP Camera



Quick Start
Guide



Waterproof
Cable Connector



Mounting
Template



Plastic Anchors & Screws

INSTALLATION

1. Apply template sticker to desired camera location.
2. Drill anchor holes using included mounting template.
3. Remove mounting template.
4. Insert anchors.
5. Mount camera.
6. Connect network cable with included waterproof cable connector.
7. Adjust camera view.
8. Secure lid / dome.



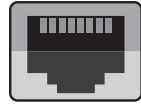
NOTE: If the camera will be exposed to inclement weather, OpenEye recommends sealing around the camera base or connection to accessory and accessory connection to mounting surface with outdoor waterproof caulking.

POWER

This camera is compatible with 12VDC and Power over Ethernet (PoE). If you are connecting 12VDC power, verify the polarity of the power connection.

ETHERNET CABLE CONNECTIONS

Connect a network cable to the camera using the RJ45 input and connect the other end of the cable to your network switch or recorder.



DEFAULT USERNAME AND PASSWORD



NOTE: OpenEye IP cameras ship without a default password.

The admin user password can be set using the following methods:

1. OpenEye recorders running Apex 2.1 or newer will automatically set a new unique password if:
 - Connected to an M-Series recorder with a built in PoE switch.
 - Connected to a network switch through the camera network port and selected then added in setup, if a new password has not already been set.
2. Connect to the camera directly through a Web Browser and follow the onscreen prompts.
3. Use the Network Camera Manager (NCM) Utility.

Username: **admin**



NOTE: The NCM software manual can be found at <https://www.openeye.net/ncm-manual>



NOTE: Refer to your Apex recorder manual or quick start guide for instruction on adding cameras. Passwords must be 8-16 characters, contain at least 1 capital and 1 lower case letter, 1 number, and 1 unique character.

ASSIGNING AN IP ADDRESS

OpenEye IP cameras are set to DHCP by default. If a DHCP server is not detected after 4 minutes, the camera will default to IP address 192.168.51.2. If you are not using a DHCP server, NCM will allow you to batch configure a static IP address. The IP address for the camera network on your Apex recorder is 192.168.51.1.



NOTE: To change this IP address please refer to your Apex recorder manual. Selecting multiple cameras and entering IP address: 192.168.51.2 will set an IP address on all selected cameras, starting at 192.168.51.2 and increase per camera.

1. Open Network Camera Manager.
2. Select applicable camera(s).
3. Input starting IP address, Subnet Mask, Gateway, DNS.
4. Apply changes.
5. Wait 60 seconds before refreshing NCM.

CONNECTING TO THE IP CAMERA

To access the camera setup menu, you need to open Network Camera Manager (NCM) utility. NCM is pre-installed on all OpenEye Recorders, and is also available for download on the OpenEye website for installation on your personal computer or laptop.

1. Open **Network Camera Manager**.
2. Locate your camera on the **Network Camera Manager** list.

FISHEYE SETUP

1. In Apex software, enter the **Setup** menu.
2. Select the camera to be setup.

3. Click the **Fisheye** Tab. Click the **Enable Fisheye Support** box.
4. Select the **Mount Type**.
5. Click **Save**.

DEWARPING SETUP

OpenEye Command Station software is required for Fisheye Dewarping. Choose the dewarping mode:

1. Right Click on the **Live** view image of the camera you wish to dewarp.
2. Click **360 View Mode**.
3. Choose the desired dewarping mode.

LENS ORIENTATION

Pay careful attention to lens rotation when mounting. Improper lens orientation will result in a skewed image. This is particularly important because software image rotation is only available at 180°.

Proper lens orientation is with the OpenEye Logo at the top. "TOP" is also marked with an arrow on the mounting template.

When mounting on a wall, orient the OpenEye logo on top.

When ceiling mounting, it is recommended to orient the camera perpendicular to the closest wall for the most pleasing image.

PRODUCT FEATURES

Camera	
Maximum Resolution	4000x3000
Frame Rate at Maximum Resolution	15FPS - H.264/H.265
Total Streams	Dual streaming
ONVIF	Profile S / T
Day/Night	True Day / Night
Wide Dynamic Range	Digital WDR on / off

OpenEye[®]

QUICK START GUIDE

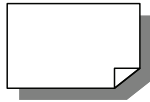
OE-C97512 | 12MP Fisheye IP Camera

This quick start guide provides only basic information on the camera's settings and operation for initial installation. Please read the user manual for optimal camera configurations.

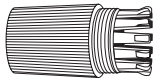
BOX CONTENTS



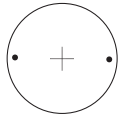
OE-C97512 /
IP Camera



Quick Start
Guide



Waterproof Cable
Connector



Mounting
Template



Plastic Anchors & Screws

INSTALLATION

1. Apply template sticker to desired camera location.
2. Drill anchor holes using included mounting template.
3. Remove mounting template.
4. Insert anchors.
5. Mount camera.
6. Connect network cable with included waterproof cable connector.
7. Adjust camera view.
8. Secure lid / dome.



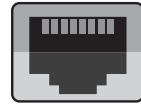
NOTE: If the camera will be exposed to inclement weather, OpenEye recommends sealing around the camera base or connection to accessory and accessory connection to mounting surface with outdoor waterproof caulking.

POWER

This camera is compatible with 12VDC and Power over Ethernet (PoE). If you are connecting 12VDC power, verify the polarity of the power connection.

ETHERNET CABLE CONNECTIONS

Connect a network cable to the camera using the RJ45 input and connect the other end of the cable to your network switch or recorder.



DEFAULT USERNAME AND PASSWORD



NOTE: OpenEye IP cameras ship without a default password.

The admin user password can be set using the following methods:

1. OpenEye recorders running Apex 2.1 or newer will automatically set a new unique password if:
 - Connected to an M-Series recorder with a built in PoE switch.
 - Connected to a network switch through the camera network port and selected then added in setup, if a new password has not already been set.
2. Connect to the camera directly through a Web Browser and follow the onscreen prompts.
3. Use the Network Camera Manager (NCM) Utility.

Username: **admin**



NOTE: The NCM software manual can be found at <https://www.openeye.net/ncm-manual>



NOTE: Refer to your Apex recorder manual or quick start guide for instruction on adding cameras. Passwords must be 8-16 characters, contain at least 1 capital and 1 lower case letter, 1 number, and 1 unique character.

ASSIGNING AN IP ADDRESS

OpenEye IP cameras are set to DHCP by default. If a DHCP server is not detected after 4 minutes, the camera will default to IP address 192.168.51.2. If you are not using a DHCP server, NCM will allow you to batch configure a static IP address. The IP address for the camera network on your Apex recorder is 192.168.51.1.



NOTE: To change this IP address please refer to your Apex recorder manual. Selecting multiple cameras and entering IP address: 192.168.51.2 will set an IP address on all selected cameras, starting at 192.168.51.2 and increase per camera.

1. Open Network Camera Manager.
2. Select applicable camera(s).
3. Input starting IP address, Subnet Mask, Gateway, DNS.
4. Apply changes.
5. Wait 60 seconds before refreshing NCM.

CONNECTING TO THE IP CAMERA

To access the camera setup menu, you need to open Network Camera Manager (NCM) utility. NCM is pre-installed on all OpenEye Recorders, and is also available for download on the OpenEye website for installation on your personal computer or laptop.

1. Open **Network Camera Manager**.
2. Locate your camera on the **Network Camera Manager** list.

FISHEYE SETUP

1. In Apex software, enter the **Setup** menu.
2. Select the camera to be setup.

3. Click the **Fisheye** Tab. Click the **Enable Fisheye Support** box.
4. Select the **Mount Type**.
5. Click **Save**.

DEWARPING SETUP

OpenEye Command Station software is required for Fisheye Dewarping. Choose the dewarping mode:

1. Right Click on the **Live** view image of the camera you wish to dewarp.
2. Click **360 View Mode**.
3. Choose the desired dewarping mode.

LENS ORIENTATION

Pay careful attention to lens rotation when mounting. Improper lens orientation will result in a skewed image. This is particularly important because software image rotation is only available at 180°.

Proper lens orientation is with the OpenEye Logo at the top. "TOP" is also marked with an arrow on the mounting template.

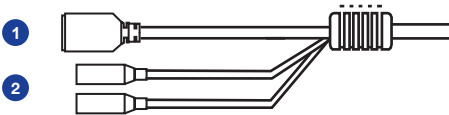
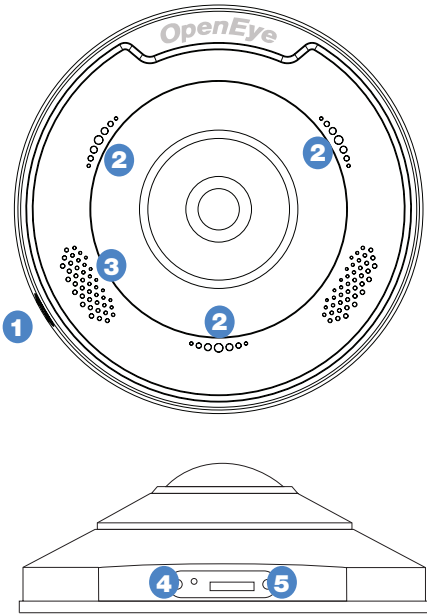
When mounting on a wall, orient the OpenEye logo on top.

When ceiling mounting, it is recommended to orient the camera perpendicular to the closest wall for the most pleasing image.

PRODUCT FEATURES

Camera	
Maximum Resolution	4000x3000
Frame Rate at Maximum Resolution	15FPS - H.264/H.265
Total Streams	Dual streaming
ONVIF	Profile S / T
Day/Night	True Day / Night
Wide Dynamic Range	Digital WDR on / off

CAMERA

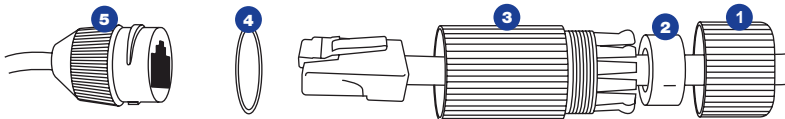


Environmental and Power	
Power Consumption	9.6W Max
Input Voltage	48v PoE Only
Operating Temperature	-31°~140°F (-35°~60°C)
IP Rating	IP66

OE-C97512		
Cover release	1	To access mounting holes, reset, and microSD slot
Built-in microphones	2	Audio In
Speaker	3	Audio Out
Reset Button (Under Cover)		To restore the camera to factory defaults: 1. Disconnect power for 30 seconds. 2. Reconnect power and wait 30 seconds. 3. Close the jumper connection with a proper tool for 20 seconds.
MicroSD Card Slot		Supports up to 128GB microSD card for Edge storage. Do not add or remove the microSD card when the camera is powered on.

Cable Connections		
RJ-45	1	Data Connection
Audio I/O	2	Audio In
		Audio Out

Connector Kit



1	Thread lock cap	4	Rubber "O" ring
2	Rubber plug	5	Camera cable
3	RJ45 enclosure		

OpenEye®

The Cloud Video Platform

Liberty Lake, WA, USA
509.232.5261

openeye.net

Copyright ©2020 OpenEye.

All Rights Reserved. Information contained in this document is subject to change without prior notice. OpenEye does its best to provide accurate information but cannot be held responsible for typos or mistakes.