

# ETC Installation Guide

## High End Systems RigPOV Camera

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### Overview

This guide contains instructions for installing the ETC RigPOV camera upgrade on the fixtures listed below. Installing the RigPOV camera replaces an Ethernet thru port on the fixture with a port for the camera.

- [Lonestar/Hyperstar on page 2](#)
- [Halcyon Gold on page 19](#)
- [Halcyon Titanium on page 29](#)
- [Halcyon Platinum on page 41](#)

See [Configure the Camera on page 52](#) for information about connecting to the camera.

If you need further assistance, please contact ETC Technical Support ([etcconnect.com/contactETC](mailto:etcconnect.com/contactETC)).

Please email comments about this manual to: [TechComm@etcconnect.com](mailto:TechComm@etcconnect.com).



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## RigPOV Camera

### Lonestar/Hyperstar

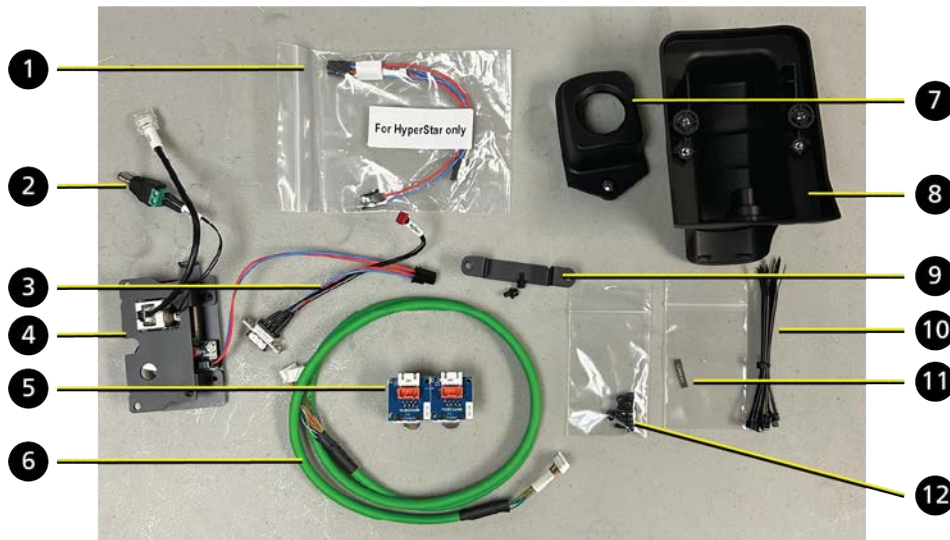


**WARNING: RISK OF ELECTRIC SHOCK! Power must be off when you perform this procedure.**

**AVERTISSEMENT : RISQUE DE DÉCHARGE ÉLECTRIQUE! L'alimentation doit être éteinte avant d'exécuter cette procédure.**

#### Tools and supplies required:

- #1 Phillips screwdriver (not provided)
- #2 Phillips screwdriver (not provided)
- Tape to temporarily secure two connectors (not provided)
- Zip ties
- RigPOV camera
- Contents of the camera upgrade kit:



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## RigPOV Camera

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Item	Description
1	Hyperstar Power Wire Harness*
2	Camera Power Wire Harness
3	Lonestar Power Wire Harness*
4	Camera Circuit Board Assembly
5	Ethernet Circuit Boards (quantity 2)
6	Ethernet Cable
7	Camera Bracket
8	Camera Housing
9	Retention Bracket and Screws
10	Zip ties
11	Camera Port Label
12	Screws

\*If you are installing the RigPOV camera on a Hyperstar fixture:

1. Remove the Lonestar power wire harness from the camera circuit board assembly (item 4 above).
2. Connect the Hyperstar power wire harness to the camera circuit board assembly.
3. Discard the wire harness you do not need.

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## RigPOV Camera

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### Remove Covers - Lonestar/Hyperstar

1. Disconnect the fixture from power and allow it to cool.
2. Using a #2 Phillips screwdriver:
  - Loosen the captured screws on the head covers and remove both covers.
  - Loosen the captured screws on the yoke arm covers and remove both covers.
  - Remove the screws that attach the four inside yoke covers (located at the base of the yoke) to the fixture, and remove the covers. Retain the screws for use when you reattach the covers.
  - Remove the screws that attach the covers to the upper enclosure (see graphic on right), and remove the covers. Retain the screws for use when you reattach the covers.
3. Using a #2 Phillips screwdriver, remove the four screws that secure the yoke handle to the yoke arm and remove the yoke handle from the fixture. Retain the screws for use when you reattach the handle.
4. Using a #1 Phillips screwdriver, remove the two screws that secure the power board's protective cover to the fixture. Retain the screws for use when you reattach the protective cover.



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## RigPOV Camera

5. Using a #2 Phillips screwdriver, remove the four screws that secure the DMX/power cover to the upper enclosure. Retain the screws for use when you reattach the cover.

Remove these screws

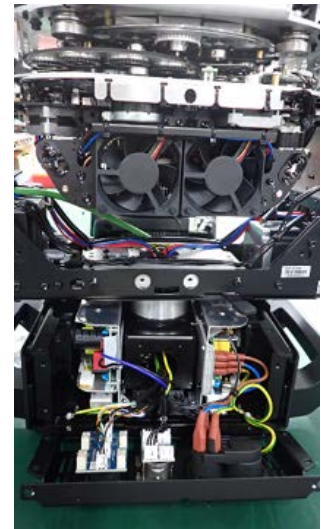


6. Using a #1 Phillips screwdriver, remove the four screws that secure the DMX/power faceplate to the upper enclosure. Retain the screws for when you reattach the faceplate.

Remove these screws



7. Gently pull the DMX/power faceplate away from the upper enclosure and lay it face down next to the fixture.



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## RigPOV Camera

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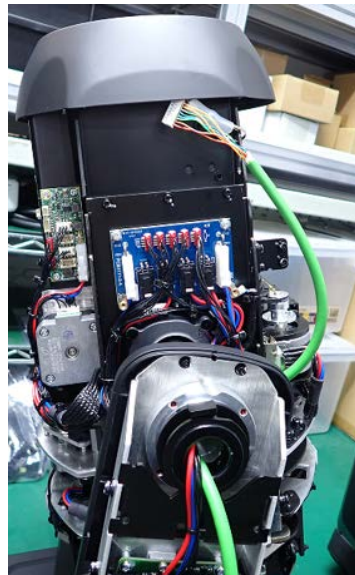
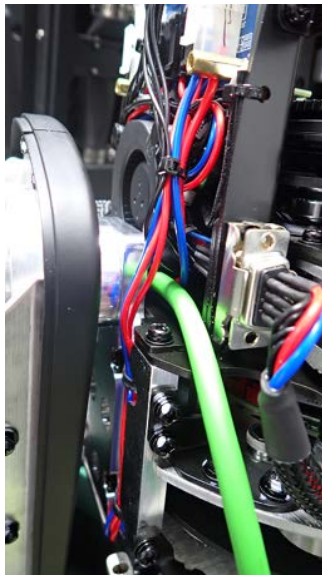
### Connect the Ethernet Wiring - Lonestar/Hyperstar

Supplies needed:

- #2 Phillips screwdriver (not provided)
  - Tape (not provided)
  - Ethernet cable (provided in the camera upgrade kit)
1. Using tape and the green Ethernet cable, wrap together the two 4-pin connectors on the Ethernet cable so that the connectors are secured to each other. It can be helpful to include a pull string in the tape for use while pulling the cable through the fixture.



2. Feed the 8-pin connector on the Ethernet cable through the yoke arm and into the fixture head.



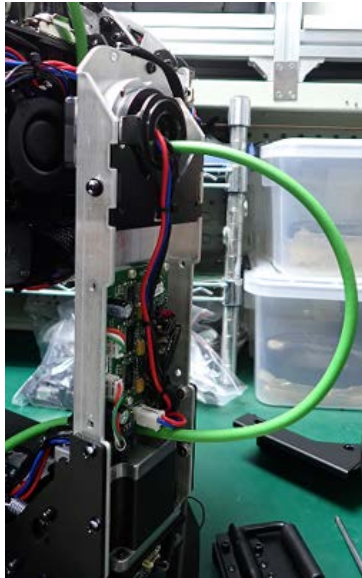


# ETC Installation Guide

## RigPOV Camera

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3. Feed the other end of the Ethernet cable through the yoke above the tilt motor.



4. Feed the end of the Ethernet cable down through the hole in the bottom of the yoke and out through the opening made by the removal of the DMX/Power faceplate.



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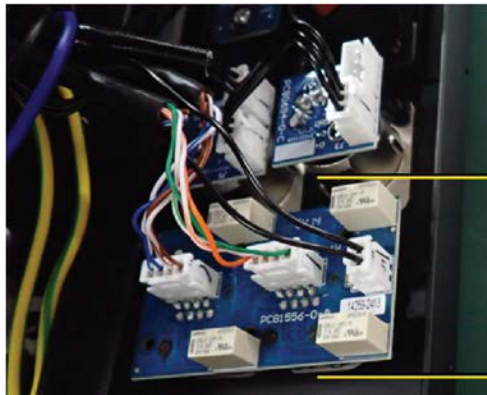
## RigPOV Camera

5. Using a #1 Phillips screwdriver, remove the four screws that secure the Ethernet connectors to the DMX/power panel. Retain the screws; you will need them to attach the replacement circuit boards to the panel.

Remove  
these screws



6. Disconnect the two 4-pin connectors and the 2-pin connector from the Ethernet board and gently remove the board. Retain the board for future use if you want to put the board back into the fixture to enable Ethernet passthru again.



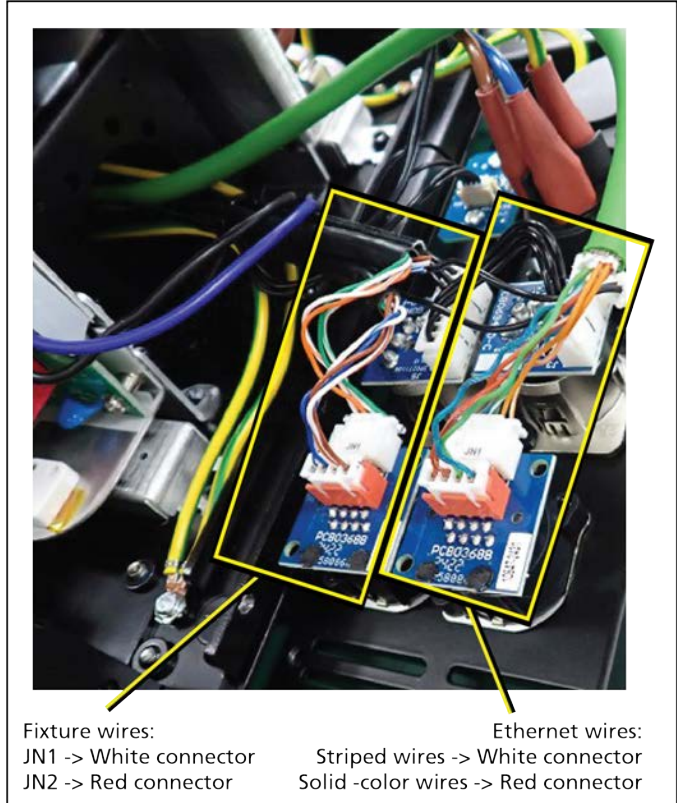
Disconnect connectors  
and remove this PCB



# ETC Installation Guide

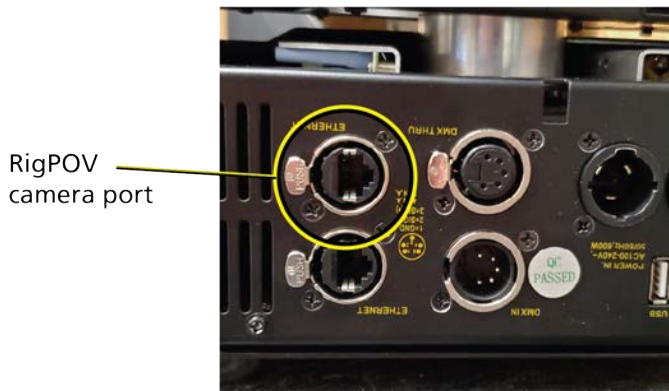
## RigPOV Camera

7. Gently insert the two RigPOV Ethernet boards that were included in the camera upgrade kit into the DMX/power panel.
8. Using a #1 Phillips screwdriver and the four screws you removed in step 5, secure the two Ethernet connectors to the DMX/power panel.
9. Connect the fixture wires to the circuit board.
  - a. Insert the connector labeled "JN1" into the white connector.
  - b. Insert the connector labeled "JN2" into the red connector.
  - c. The two-pin connector that was originally connected to the Ethernet board is not needed for the RigPOV camera. This connector and wires can be left in the fixture for future use if you want to enable Ethernet passthru again.
10. Connect the Ethernet wires (contained in the green cable) to the board.
  - a. One of the 4-pin connectors includes striped wires. Connect this 4-pin connector to the white connector.
  - b. One of the 4-pin connectors includes solid-colored wires. Connect this 4-pin connector to the red connector.



11. Close the DMX/power panel of the upper enclosure.
  - a. Gentle slide the DMX/power faceplate into position being careful not to pinch the wires.
  - b. Using a #1 Phillips screwdriver and the four screws you *removed earlier*, attach the screws to the faceplate to secure the faceplate to the upper enclosure.
  - c. Using a #2 Phillips screwdriver and the four screws you *removed earlier*, attach the four screws to the upper enclosure to secure the DMX/power cover to the upper enclosure.

The Ethernet port on top is now the RigPOV Camera port. You can relabel this port with the "Camera" label that was provided in the camera upgrade kit.



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### Move the Lens Cover Safety Cable - Lonestar/Hyperstar

The lens cover safety cable must be moved to make room for the RigPOV board.

1. Unhook the lens cover safety cable from the fixture.



2. Using a #2 Phillips screwdriver, loosen the four screws that attach the lens cover to the fixture.
3. Gently remove the lens cover, rotate it 180 degrees, and reattach it to the fixture.



4. Connect the safety cable to the fixture.



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## RigPOV Camera

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### Attach the RigPOV Camera Circuit Board- Lonestar/Hyperstar

Supplies needed:

- #2 Phillips screwdriver (not provided)
- Parts from the camera upgrade kit:
  - Four Phillips screws
  - Two washers
  - Camera circuit board
  - Power wire harness

1. Connect the 8-port Ethernet connector to the camera circuit board.



2. Using a #2 Phillips screwdriver, two Phillips screws, and the circuit board, attach the circuit board to the fixture head above the yoke arm.

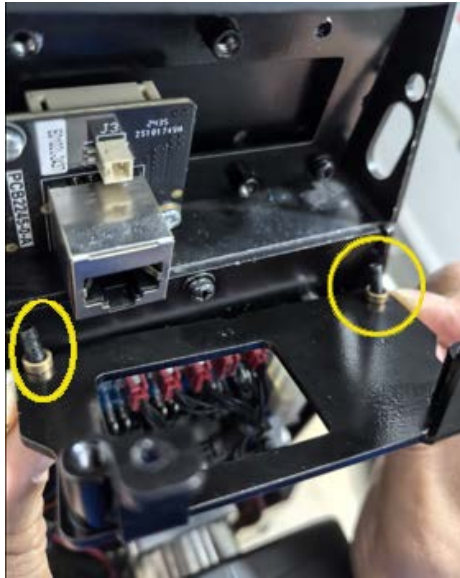


# ETC Installation Guide

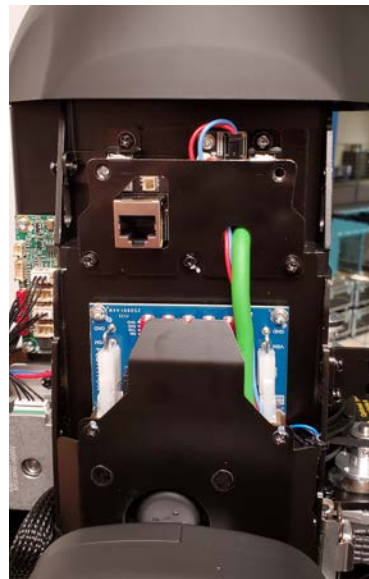
## RigPOV Camera

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3. Assemble the washers, two Phillips screws, and the cover plate.



4. Using a #2 Phillips screwdriver, attach the cover plate to the fixture.





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## RigPOV Camera

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5. Using a #2 Phillips screwdriver, remove the power connector from the fixture and disconnect the wires from the fixture.



Lonestar



Hyperstar

6. Using a #2 Phillips screwdriver, attach the power wire harness to the fixture.



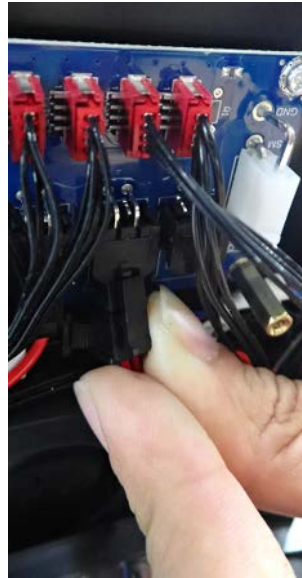
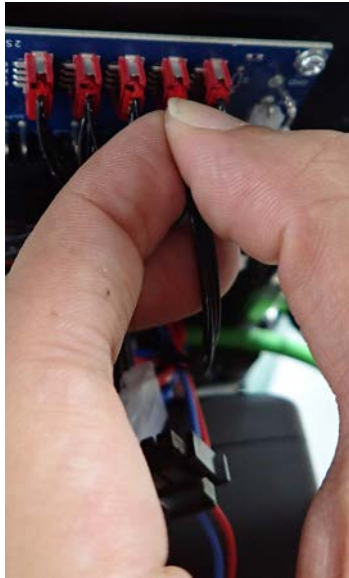


# ETC Installation Guide

## RigPOV Camera

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7. Connect the red and black connectors to the power board.



8. Using a #1 Phillips screwdriver, the power board protective cover, and the two screws you removed earlier, secure the cover to the fixture over the power board.



### Reattach Upper Enclosure and Yoke Arm Covers

1. Use zip ties to secure the new wires you installed in the upper enclosure and yoke arm.
2. Using a #2 Phillips screwdriver, reattach the upper enclosure covers.
3. Using a #2 Phillips screwdriver and the screws you *removed earlier*, reattach the four inside yoke covers (located at the base of the yoke).
4. Using a #2 Phillips screwdriver and the four screws you *removed earlier*, reattach the yoke handle to the yoke arm.
5. Using a #2 Phillips screwdriver, reattach the yoke covers.

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## RigPOV Camera

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### Modify and Reattach Head Covers - Lonestar/Hyperstar

The RigPOV camera is installed on the fixture in place of two adjacent air filter screens on the head covers. Before installing the camera, you must remove the screens.

1. Each air filter screen is held in place inside the head cover by two screws. Using a #1 Phillips screwdriver, remove the screws to detach one screen from each head cover. Make sure the screens you remove are two that are adjacent to each other when they are installed on the fixture.



2. Reattach the head covers to the fixture so that the air filter openings in the cover expose the RJ45 circuit board.



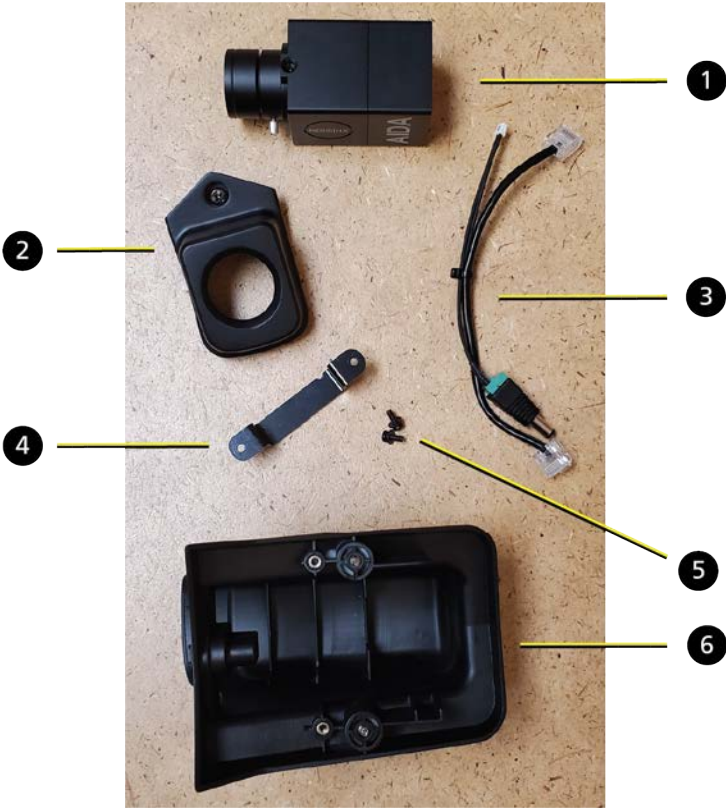
# ETC Installation Guide

## RigPOV Camera

### Assemble and Install the Camera - Lonestar/Hyperstar

Supplies needed:

- #1 Phillips screwdriver (not provided)
- #2 Phillips screwdriver (not provided)
- Camera upgrade kit (provided)



Item	Description
1	RigPOV Camera
2	Camera Bracket
3	Power and Data Wires (included in the packaging with the camera)
4	Retention Bracket
5	Screws
6	Camera Housing

# ETC Installation Guide

## RigPOV Camera

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1. Connect the power and data wires to the camera.
2. Insert the camera into the camera housing so that the lens protrudes from the hole in the side of the housing. Make sure the SVC port is facing up (as shown in the photo to the right). The camera will not function properly if it is installed upside down.



3. Fit the camera bracket over the camera lens, and using a #2 Phillips screwdriver, attach the lens cover to the housing.
4. Using a #1 Phillips screwdriver, and the two screws and retention bracket provided in the camera upgrade kit, attach the small bracket to the housing to secure the camera.



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## RigPOV Camera

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5. Connect the camera's power and data connectors to the connectors on the head of the fixture.



6. Using a #2 Phillips screwdriver, attach the camera to the fixture using the two screw holes that are provided in the camera mounting bracket.





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## RigPOV Camera

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### Halcyon Gold

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#### Tools and supplies required:

- #1 Phillips screwdriver (not provided)
- #2 Phillips screwdriver (not provided)
- Tape to temporarily secure two connectors (not provided)
- Zip ties
- Camera
- Contents of the camera upgrade kit: 
  - Ethernet cable (green sheath): one end has an 8-pin connector; the other end has two 4-pin connectors
  - Four Phillips screws
  - Two washers
  - One RJ45 board
  - One cover plate
  - One power wire harness

# ETC Installation Guide

## RigPOV Camera

### Remove Fixture Covers - Halcyon Gold

1. Disconnect the fixture from power and allow it to cool.
2. Using a #2 Phillips screwdriver:
  - Loosen the captured screws on the head covers and remove both covers.
  - Loosen the captured screws on the yoke arm covers and remove both covers.
  - Remove the screws that attach the four inside yoke covers (located at the base of the yoke) to the fixture, and remove the covers. Retain the screws for use when you reattach the covers.
  - Remove the screws that attach the covers to the upper enclosure (see graphic on right), and remove the covers. Retain the screws for use when you reattach the covers.

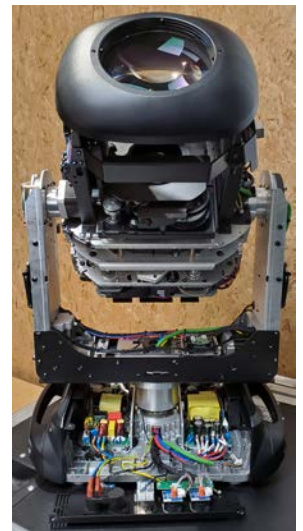


3. Using a #2 Phillips screwdriver, remove the two screws that secure the DMX/power faceplate to the upper enclosure. Retain the screws for use when you reattach the faceplate.

Remove these screws



4. Gently pull the DMX/power faceplate away from the upper enclosure and lay it face down next to the fixture.



# ETC Installation Guide

## RigPOV Camera

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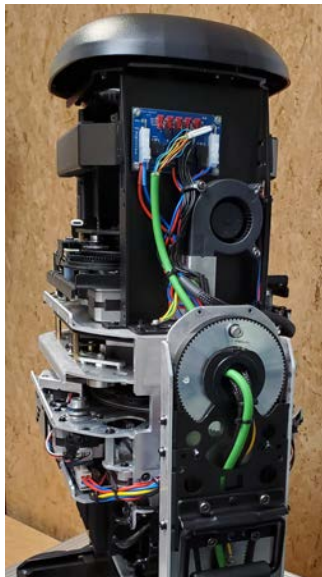
### Connect the Ethernet Wiring - Halcyon Gold

Supplies needed:

- #2 Phillips screwdriver (not provided)
  - Tape (not provided)
  - Ethernet cable (provided in the camera upgrade kit)
1. Using tape and the green Ethernet cable, wrap together the two 4-pin connectors on the Ethernet cable so that the connectors are secured to each other. It can be helpful to include a pull string in the tape for use while pulling the cable through the fixture.



2. Feed the 8-pin connector on the Ethernet cable through the yoke arm and into the fixture head.

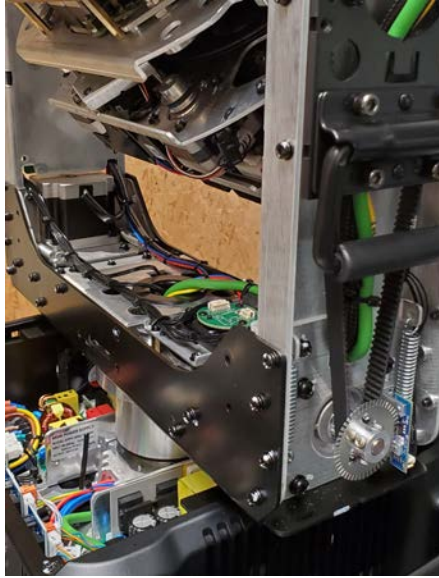


# ETC Installation Guide

## RigPOV Camera

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3. Feed the other end of the Ethernet cable through the yoke arm behind the yoke handle above the tilt motor.



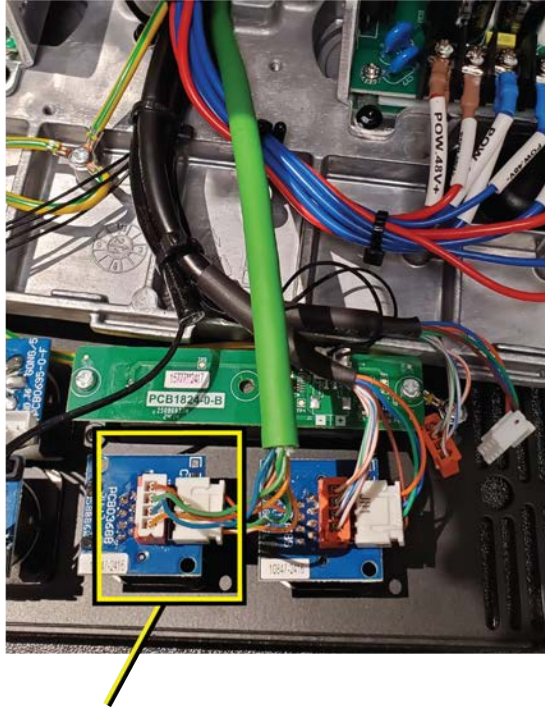
4. Feed the end of the Ethernet cable down through the hole in the bottom of the yoke and out through the opening in the base of the fixture.



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## RigPOV Camera

5. Disconnect the two 4-pin connectors from the left-most Ethernet board, and connect the Ethernet wires (contained in the green cable) to the board.
  - a. Attach the 4-pin connector labeled "JN1" to the white connector.
  - b. Attach the 4-pin connector labeled "JN2" to the red connector.



JN1 (Striped wires) -> White connector  
JN2 (Solid-color wires) -> Red connector

6. Close the DMX/power panel of the upper enclosure.
  - a. Gentle slide the faceplate into position being careful not to pinch the wires.
  - b. Using a #2 Phillips screwdriver and the two screws you *removed earlier*, attach the screws to the top of the faceplate to secure the faceplate to the upper enclosure.

The Ethernet port on the left is now the RigPOV Camera port. You can relabel this port with the "Camera" label that was provided in the camera upgrade kit.



Camera Port



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## RigPOV Camera

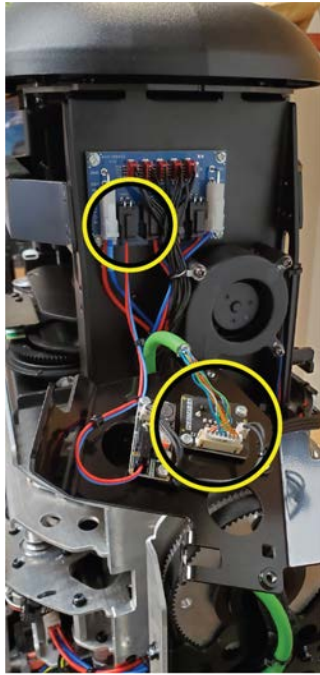
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### Attach the RigPOV Circuit Board - Halcyon Gold

Supplies needed:

- #1 Phillips screwdriver (not provided)
- Parts from the camera upgrade kit:
  - Six Phillips screws
  - Camera circuit board

1. Connect the 8-pin Ethernet connector to the circuit board, and connect the 2-pin connector to the fixture.



2. Using a #1 Phillips screwdriver and six Phillips screws, attach the circuit board to the fixture head above the yoke arm.



# ETC Installation Guide

## RigPOV Camera

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### Reattach Covers - Halcyon Gold

1. Use zip ties to secure the new wires you installed in the upper enclosure and yoke arm.
2. Using a #2 Phillips screwdriver, reattach the upper enclosure covers.
3. Using a #2 Phillips screwdriver and the screws you removed from the inner yoke arms earlier, reattach the four inside yoke covers (located at the base of the yoke).
4. Using a #2 Phillips screwdriver, reattach the yoke covers.
5. Reattach the head covers.
  - a. Attach the new head cover that was included in the upgrade kit so that the camera mount is exposed.
  - b. Attach one of the original head covers to the other side of the fixture head.



# ETC Installation Guide

## RigPOV Camera

### Assemble and Install the Camera - Halcyon Gold

Tools and parts needed:

- #1 Phillips screwdriver (not provided)
- #2 Phillips screwdriver (not provided)
- Camera upgrade kit (provided)



Item	Description
1	RigPOV Camera
2	Power and Data Wires (included in the packaging with the camera)
3	Retention Bracket
4	Screws
5	Camera Bracket
6	Camera Housing

# ETC Installation Guide

## RigPOV Camera

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1. Connect the power and data wires to the camera.
2. Insert the camera into the camera housing so that the lens protrudes from the hole in the side of the housing. Make sure the SVC port is facing up (as shown in the photo to the right). The camera will not function properly if it is installed upside down.



3. Fit the camera bracket over the camera lens, and using a #2 Phillips screwdriver, attach the lens cover to the housing.
4. Using a #1 Phillips screwdriver, and the four screws and retention bracket provided in the camera upgrade kit, attach the retention bracket to the housing to secure the camera in place.



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## RigPOV Camera

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5. Connect the camera's power and data connectors to the connectors on the head of the fixture.



6. Using a #2 Phillips screwdriver, attach the camera housing to the fixture using the three screw holes that are provided in the camera mounting bracket.





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## RigPOV Camera

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### Halcyon Titanium

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#### Tools and supplies required:

- #1 Phillips screwdriver (not provided)
- #2 Phillips screwdriver (not provided)
- Tape to temporarily secure two connectors (not provided)
- Zip ties
- Camera
- Contents of the camera upgrade kit: 
  - Ethernet cable (green sheath): one end has an 8-pin connector; the other end has two 4-pin connectors
  - Four Phillips screws
  - Two washers
  - One RJ45 board
  - One cover plate
  - One power wire harness

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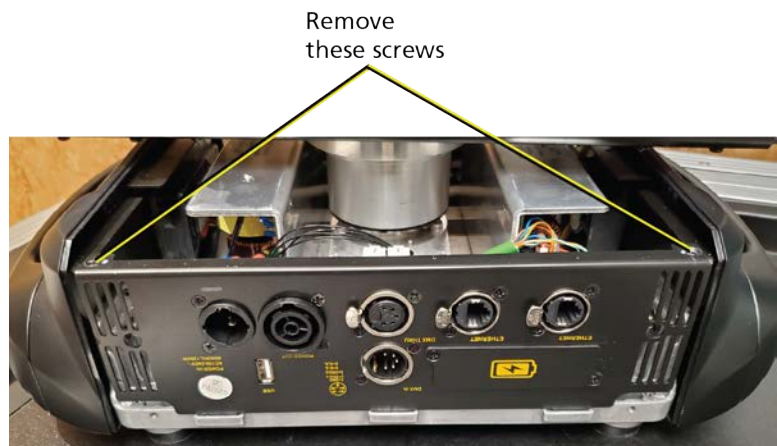
## RigPOV Camera

### Remove Fixture Covers - Halcyon Titanium

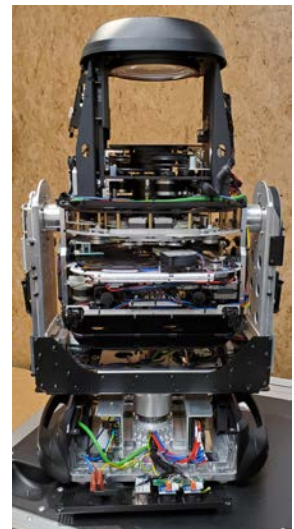
1. Disconnect the fixture from power and allow it to cool.
2. Using a #2 Phillips screwdriver:
  - Loosen the captured screws on the head covers and remove both covers.
  - Loosen the captured screws on the yoke arm covers and remove both covers.
  - Remove the screws that attach the four inside yoke covers (located at the base of the yoke) to the fixture, and remove the covers. Retain the screws for use when you reattach the covers.
  - Remove the screws that attach the covers to the upper enclosure (see graphic on right), and remove the covers. Retain the screws for use when you reattach the covers.



3. Using a #2 Phillips screwdriver, remove the two screws that secure the DMX/power faceplate to the upper enclosure. Retain the screws for use when you reattach the faceplate.



4. Gently pull the DMX/power faceplate away from the upper enclosure and lay it face down next to the fixture.



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## RigPOV Camera

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### Connect the Ethernet Wiring - Halcyon Titanium

Supplies needed:

- #2 Phillips screwdriver (not provided)
  - Tape (not provided)
  - Ethernet cable (provided in the camera upgrade kit)
1. Using tape and the green Ethernet cable, wrap together the two 4-pin connectors on the Ethernet cable so that the connectors are secured to each other. It can be helpful to include a pull string in the tape for use while pulling the cable through the fixture.



2. Feed the 8-pin connector on the Ethernet cable through the yoke arm and into the fixture head.



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3. Guide the Ethernet cable across the fixture to the other yoke arm.



4. Fit the Ethernet cable around the motors and up to the top of the fixture head.



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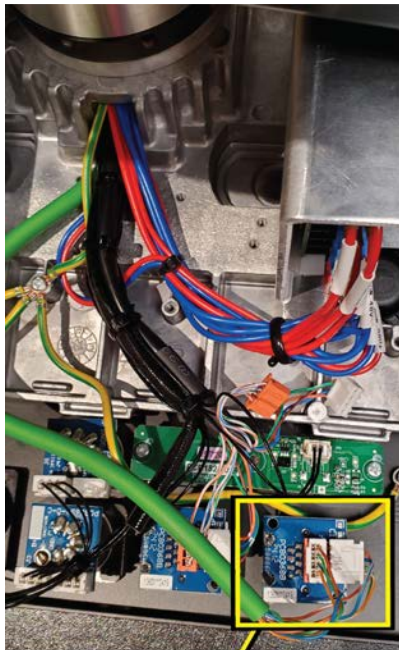
## RigPOV Camera

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5. Feed the other end of the Ethernet cable:
  - a. Through the yoke arm behind the yoke handle above the tilt motor.
  - b. Down through the hole in the bottom of the yoke.
  - c. Out through the opening in the base of the fixture.



6. Disconnect the two 4-pin connectors from the right-most Ethernet board, and connect the Ethernet wires (contained in the green cable) to the board.
  - a. Attach the 4-pin connector labeled "JN1" to the white connector.
  - b. Attach the 4-pin connector labeled "JN2" to the red connector.



JN1 (Striped wires) -> White connector  
JN2 (Solid-color wires) -> Red connector



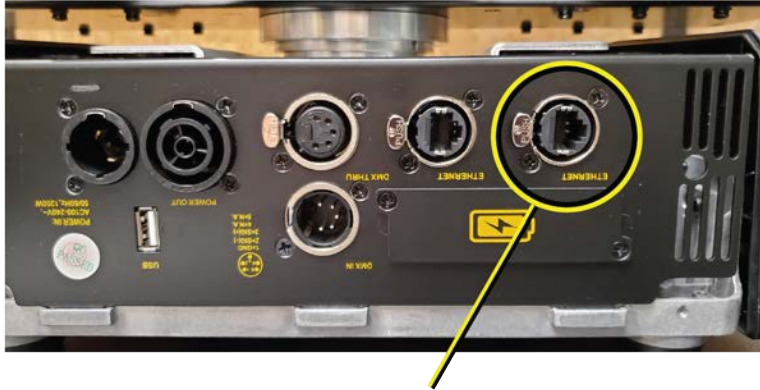
# ETC Installation Guide

## RigPOV Camera

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7. Close the DMX/power panel of the upper enclosure.
  - a. Gentle slide the faceplate into position being careful not to pinch the wires.
  - b. Using a #2 Phillips screwdriver and the two screws you *removed earlier*, attach the screws to the top of the faceplate to secure the faceplate to the upper enclosure.

The Ethernet port on the right is now the RigPOV Camera port. You can relabel this port with the "Camera" label that was provided in the camera upgrade kit.



Camera Port

# ETC Installation Guide

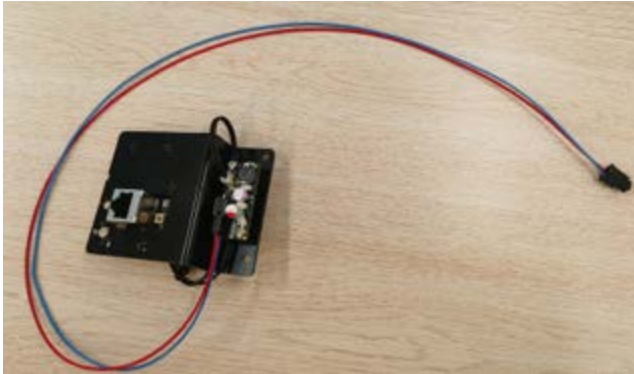
## RigPOV Camera

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### Attach the RigPOV Circuit Board - Halcyon Titanium

Supplies needed:

- #1 Phillips screwdriver (not provided)
- Parts from the camera upgrade kit:
  - Three Phillips screws
  - Camera circuit board and two-pin wire harness



1. Connect the 8-pin Ethernet connector to the circuit board on the metal plate.

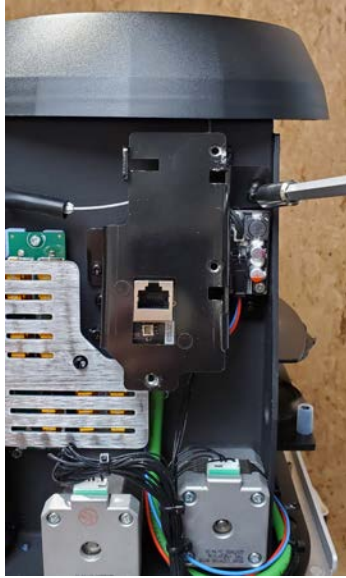


# ETC Installation Guide

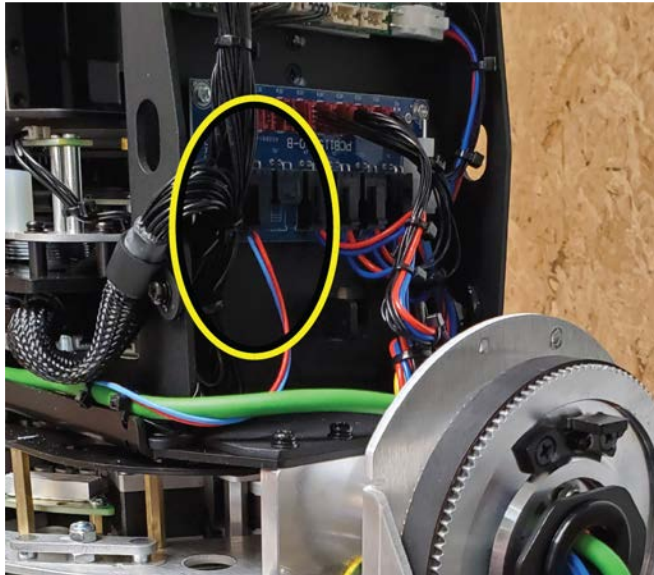
## RigPOV Camera

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2. Using a #1 Phillips screwdriver and three Phillips screws, attach the camera's PCB to the fixture head above the yoke arm.



3. Guide the two-pin power wire harness across the fixture to the other yoke arm, and connect the harness to the fan board to power the camera.



# ETC Installation Guide

## RigPOV Camera

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### Reattach Covers - Halcyon Titanium

1. Use zip ties to secure the new wires you installed in the upper enclosure and yoke arm.
2. Using a #2 Phillips screwdriver, reattach the upper enclosure covers.
3. Using a #2 Phillips screwdriver and the screws you removed from the inner yoke arms earlier, reattach the four inside yoke covers (located at the base of the yoke).
4. Using a #2 Phillips screwdriver, reattach the yoke covers.
5. Reattach the head covers.
  - a. Attach the new head cover that was included in the upgrade kit so that the camera mount is exposed.
  - b. Attach one of the original head covers to the other side of the fixture head.



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## RigPOV Camera

### Assemble and Install the Camera - Halcyon Titanium

Tools and parts needed:

- #1 Phillips screwdriver (not provided)
- #2 Phillips screwdriver (not provided)
- RigPOV camera upgrade kit (provided)



Item	Description
1	Retention Bracket
2	Camera Bracket
3	Screws
4	RigPOV Camera
5	Camera Housing



# ETC Installation Guide

## RigPOV Camera

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1. Insert the camera into the camera housing so that the lens protrudes from the hole in the side of the housing. Make sure the camera is oriented as shown in the photo to the right. The camera will not function properly if it is installed upside down.

The camera fits tightly into the housing, so do you may have to put a little effort into getting the camera in place.



2. Fit the camera bracket over the camera lens, and using a #2 Phillips screwdriver, attach the lens cover to the housing.
3. Using a #1 Phillips screwdriver, and the four screws and retention bracket provided in the camera upgrade kit, attach the retention bracket to the housing to secure the camera in place.



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4. Connect the camera's power and data connectors to the connectors on the head of the fixture.



5. Using a #2 Phillips screwdriver, attach the camera housing to the fixture using the three screw holes that are provided in camera mounting bracket.



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### Halcyon Platinum

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**WARNING: RISK OF ELECTRIC SHOCK! Power must be off when you perform this procedure.**

**AVERTISSEMENT : RISQUE DE DÉCHARGE ÉLECTRIQUE! L'alimentation doit être éteinte avant d'exécuter cette procédure.**

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#### Tools and supplies required:

- #1 Phillips screwdriver (not provided)
- #2 Phillips screwdriver (not provided)
- Tape to temporarily secure two connectors (not provided)
- Zip ties
- Camera
- Contents of the camera upgrade kit:
  - Ethernet cable (green sheath): one end has an 8-pin connector; the other end has two 4-pin connectors
  - Four Phillips screws
  - Two washers
  - One RJ45 board
  - One cover plate
  - One power wire harness



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### Remove Fixture Covers - Halcyon Platinum

1. Disconnect the fixture from power and allow it to cool.
2. Using a #2 Phillips screwdriver:
  - Loosen the captured screws on the head covers and remove both covers.
  - Loosen the captured screws on the yoke arm covers and remove both covers.
  - Remove the screws that attach the four inside yoke covers (located at the base of the yoke) to the fixture, and remove the covers. Retain the screws for use when you reattach the covers.
  - Remove the screws that attach the covers to the upper enclosure (see graphic on right), and remove the covers. Retain the screws for use when you reattach the covers.



3. Using a #2 Phillips screwdriver, remove the two screws that secure the DMX/power faceplate to the upper enclosure. Retain the screws for use when you reattach the faceplate.

Remove  
these screws



4. Gently pull the DMX/power faceplate away from the upper enclosure and lay it face down next to the fixture.

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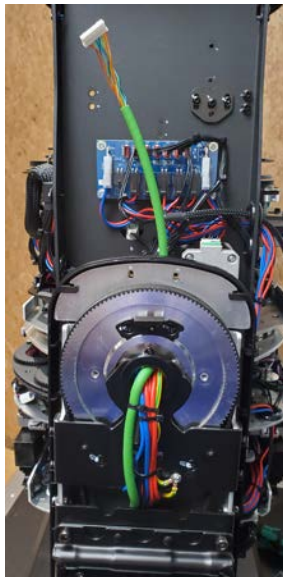
### Connect the Ethernet Wiring - Halcyon Platinum

Supplies needed:

- #2 Phillips screwdriver (not provided)
  - Tape (not provided)
  - Ethernet cable (provided in the camera upgrade kit)
1. Using tape and the green Ethernet cable, wrap together the two 4-pin connectors on the Ethernet cable so that the connectors are secured to each other. It can be helpful to include a pull string in the tape for use while pulling the cable through the fixture.



2. Feed the 8-pin connector on the Ethernet cable through the yoke arm and into the fixture head.



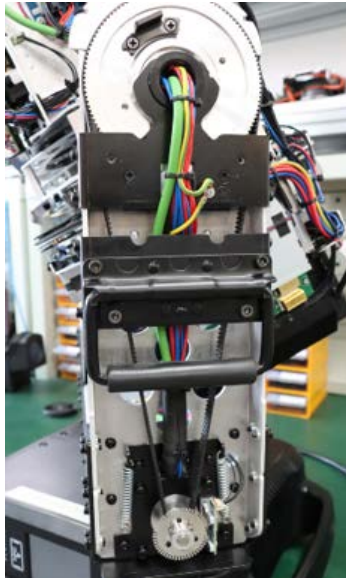


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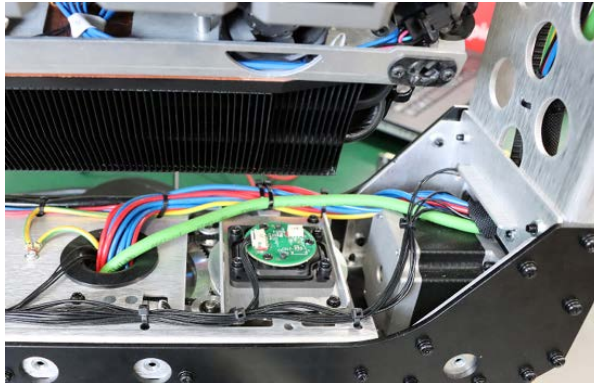
## RigPOV Camera

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3. Feed the other end of the Ethernet cable through the yoke arm behind the yoke handle above the tilt motor.



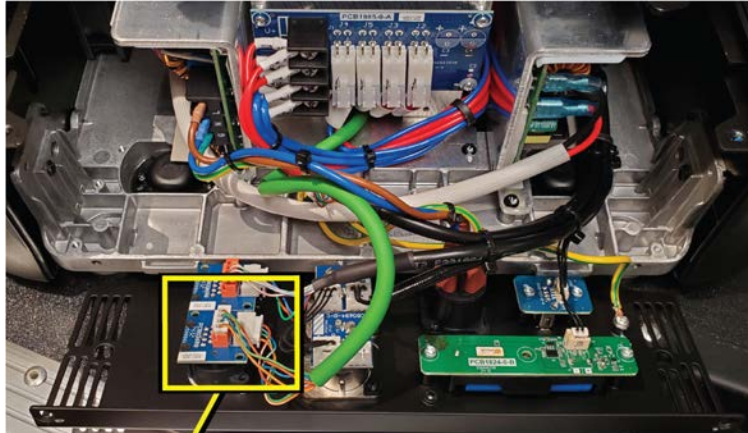
4. Feed the end of the Ethernet cable down through the hole in the bottom of the yoke and out through the opening in the base of the fixture.



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5. Disconnect the two 4-pin connectors from the Ethernet board closest to the front of the DMX/power panel, and connect the Ethernet wires (contained in the green cable) to the board.
  - a. Attach the 4-pin connector labeled "JN1" to the white connector.
  - b. Attach the 4-pin connector labeled "JN2" to the red connector.



JN1 (Striped wires) -> White connector  
JN2 (Solid-color wires) -> Red connector

6. Close the DMX/power panel of the upper enclosure.
  - a. Gentle slide the faceplate into position being careful not to pinch the wires.
  - b. Using a #2 Phillips screwdriver and the two screws you *removed earlier*, attach the screws to the top of the faceplate to secure the faceplate to the upper enclosure.

The Ethernet port on top is now the RigPOV camera port. You can relabel this port with the "Camera" label that was provided in the camera upgrade kit.



Camera Port

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## RigPOV Camera

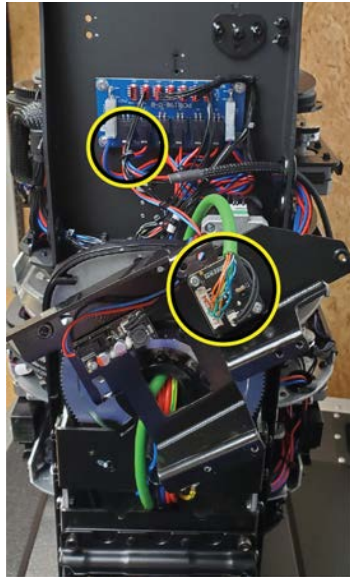
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### Attach the RigPOV Circuit Board - Halcyon Platinum

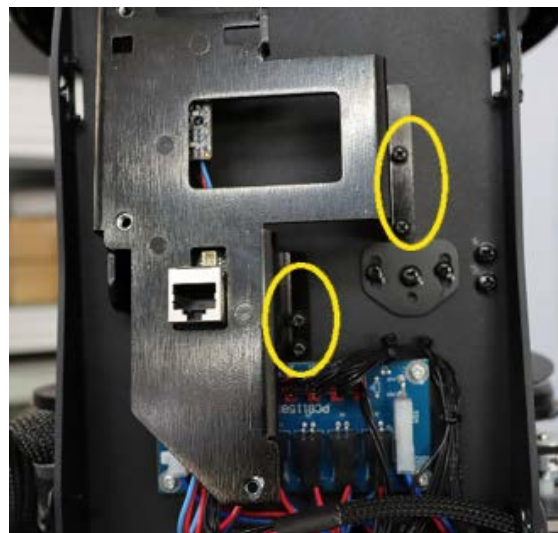
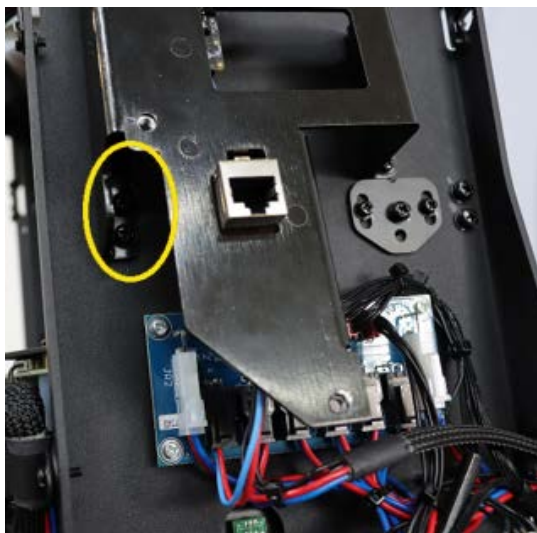
Supplies needed:

- #1 Phillips screwdriver (not provided)
- Parts from the camera upgrade kit:
  - Six Phillips screws
  - Camera circuit board

1. Connect the 8-pin Ethernet connector to the circuit board, and connect the 2-pin connector to the fixture.



2. Using a #1 Phillips screwdriver and six Phillips screws, attach the circuit board to the fixture head above the yoke arm.
  - a. Two of the screws are longer than the others. Use the long screws on the left side of the plate.



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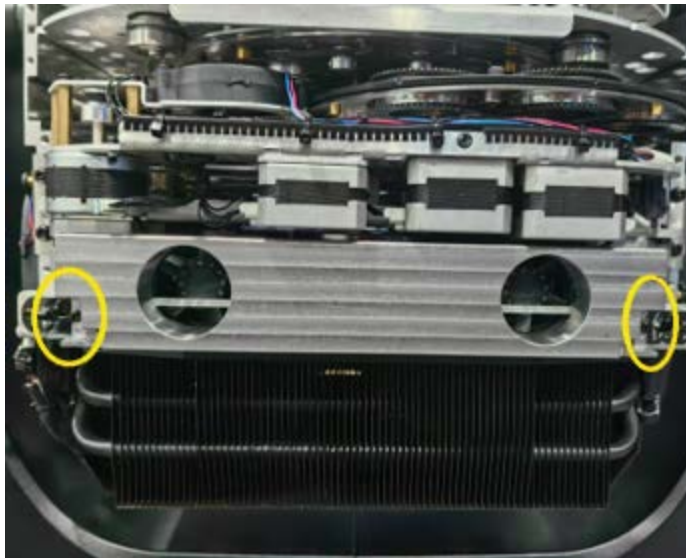
### Install Weights - Halcyon Platinum

The RigPOV camera update kit for the Halcyon Platinum includes two weights that must be installed in the head of the fixture to maintain the balance of the fixture head.

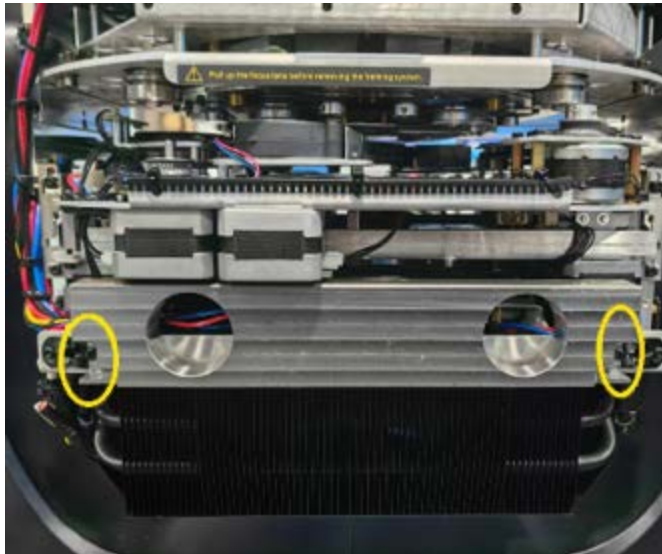
Supplies needed:

- #2 Phillips screwdriver (not provided)
- Parts from the camera upgrade kit
  - Two weights
  - Four Phillips screws

1. Using one weight and two screws, attach the weight to the fixture head frame below the effects module.



2. Using the other weight and two screws, attach the weight to the fixture head frame on the other side of the fixture head.



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### Reattach Covers - Halcyon Platinum

1. Use zip ties to secure the new wires you installed in the upper enclosure and yoke arm.
2. Using a #2 Phillips screwdriver, reattach the upper enclosure covers.
3. Using a #2 Phillips screwdriver and the screws you removed from the inner yoke arms earlier, reattach the four inside yoke covers (located at the base of the yoke).
4. Using a #2 Phillips screwdriver, reattach the yoke covers.
5. Reattach the head covers.
  - a. Attach the new head cover that was included in the upgrade kit so that the camera mount is exposed.
  - b. Attach one of the original head covers to the other side of the fixture head.





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### Assemble and Install the Camera - Halcyon Platinum

Tools and parts needed:

- 4.5 mm hex key (not provided)
- #1 Phillips screwdriver (not provided)
- #2 Phillips screwdriver (not provided)
- RigPOV camera kit (provided)



Item	Description
1	Retention Bracket
2	Camera Bracket
4	Power and Data Wires (included in the packaging with the camera)
4	Screws
5	Remote control
6	RigPOV Camera
7	Camera Housing

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1. Using a 4.5 mm hex key, and the silver screw and retention bracket from the camera upgrade kit, attach the retention bracket to the camera.

Make sure the camera is oriented as shown in the photo to the right. The camera will not function properly if it is installed upside down.



2. Connect the power and data wires to the camera.
3. Insert the camera into the camera housing so that the lens protrudes from the hole in the side of the housing.



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3. Fit the camera bracket over the camera lens, and using a #2 Phillips screwdriver, attach the lens cover to the housing.
4. Using a #1 Phillips screwdriver and the four screws provided in the camera upgrade kit, attach the retention bracket to the housing to secure the camera in place.



5. Connect the camera's power and data connectors to the connectors on the head of the fixture.



5. Using a #2 Phillips screwdriver, attach the camera housing to the fixture using the three screw holes that are provided in the camera's mounting bracket.



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### Configure the Camera

1. Download and install NDI TOOLS from <https://ndi.video/tools/>.
2. Power on the camera and connect it to your PC.
3. Set your PC's network IP address to same as the camera. (The default camera ID is 192.168.1.188).
4. Open Studio Monitor from NDI TOOLS.
5. Select your device (HD-NDI-X20). The camera should connect to your PC.
6. Refer to the manufacturer's documentation for your ETC Eos console or other third-party product for information about using the camera.