

All users should read the user manuals for installation, usage, functionality and nominal power consumption values.

## Installation and Safety Requirements

-  Installation must be done by a certified installer. Verint disclaims all liability and assumes no responsibility for any damage, fire, or electrical shock resulting from improper handling or installation.

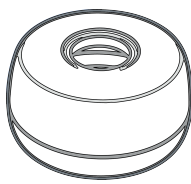
Always observe the following precautions to reduce the risk of injury and equipment damage:

- Verify the power is switched off before installing the IP camera or performing a maintenance task.
- Install the IP camera in accordance with all country, provincial, state, and local electrical codes. PoE-powered network connections must be in accordance to Environment A of the IEEE 802.3 standard.  
If you are unsure of the actual power requirements, please contact Verint and do not connect the power cable.
- If powered by a power adapter, the adapter should be properly grounded and the power cord must be connected to a socket or outlet with a ground connection.
- Wipe the camera with a dry soft cloth. For tough stains, slightly apply diluted neutral detergent and wipe with a dry soft cloth.
- Do not apply benzene or thinner to the IP camera, which may cause the surface of the unit to melt or the lens to fog.
- Do not touch the IP camera during a lightning storm.
- The power cable must be properly secured as improper connections may cause a short.
- Routing of the Ethernet cable from the IP camera to the power source must be done inside the building.
- Turn off and unplug the IP camera if any smoke or unusual odors are detected.
- Do not place the IP camera near a heat source and away from direct sunlight, except for outdoor models.
- Keep indoor IP camera models away from water. If they become wet, turn off immediately.
- Do not place indoor IP camera models in a high humidity environment.
- To prevent injury or damage to the unit, do not place the IP camera on an unstable surface such as a cart, tripod, or tabletop where it may fall. Use officially certified accessories included with the product.
- Do not use harsh detergents, gasoline, benzene or acetone, etc. to clean as they may deform or cause damage to the product. Also, excessive cleaning could damage the surface.
- Do not disassemble the IP camera. The IP camera contains unserviceable parts. Doing so can result in injury or death from electrical shock.
- Do not drop the IP camera.
- Disassembly of the dome/front cover carries the risk of internal dew condensation, replace the desiccant bags on the inside of the cameras before reassembly.
- Do not insert or eject the microSD card when it is raining or the humidity is high.
- Do not insert sharp or tiny objects into the IP camera. Doing so can cause fire or electric shock by shorting out interior components.
- There is a risk of explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to instructions.
- Maintenance and repair work must always be carried out by qualified technical personnel. Disconnect power from the unit when performing a maintenance task.

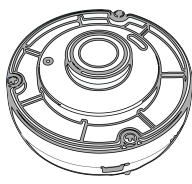
# ONCAM C-12 Indoor Camera



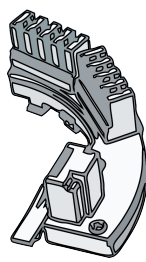
## Package Contents



Camera Enclosure



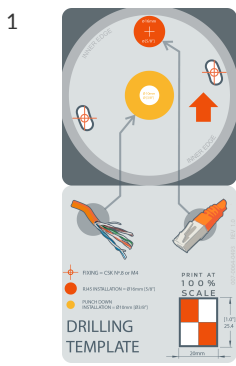
Camera Module

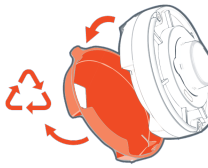
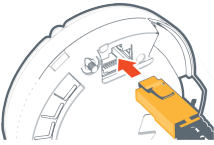
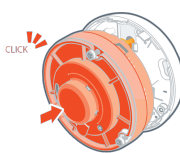
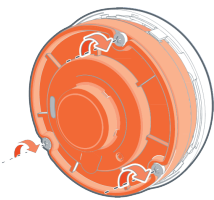
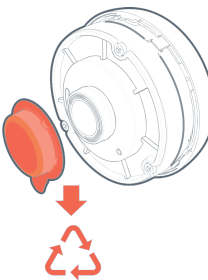
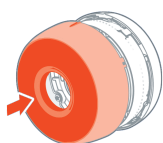
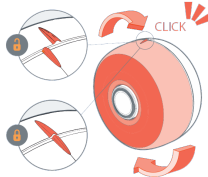


Punchdown Board

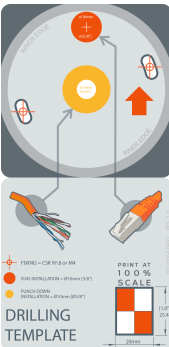
\*Hex tool not shown

## Installation - RJ45

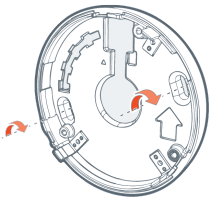


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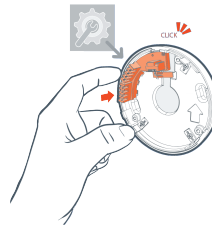
## Installation - Punch Down

1. 
2. 

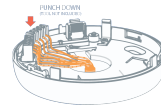
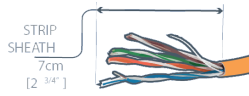
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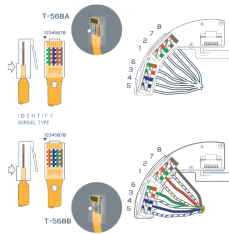
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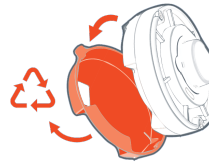
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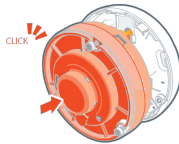
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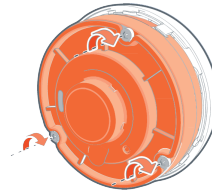
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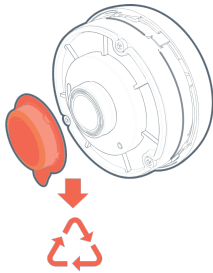
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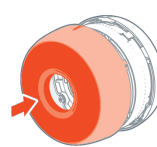
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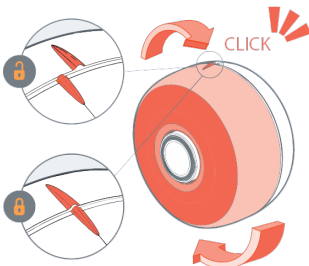
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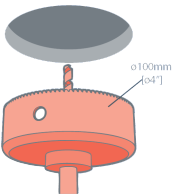


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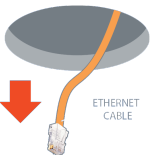


# Installation - RJ45 Recess

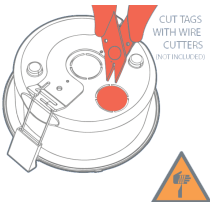
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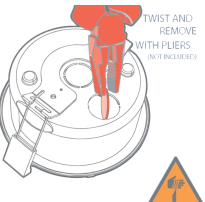
ø100mm  
[ø4"]
2.



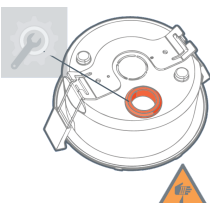
ETHERNET  
CABLE
3.



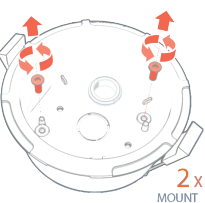
CUT TAGS  
WITH WIRE  
CUTTERS  
(NOT INCLUDED)
4.



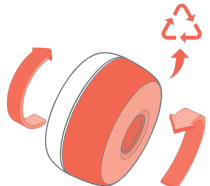
TWIST AND  
REMOVE  
WITH PLIERS  
(NOT INCLUDED)
5.



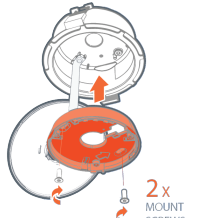
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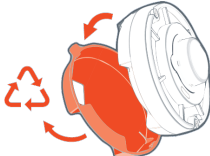
2x  
MOUNT  
SCREWS
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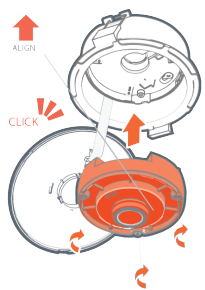
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8.



2x  
MOUNT  
SCREWS
9.

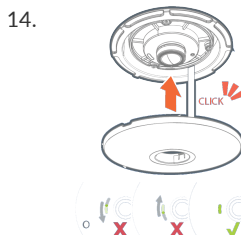
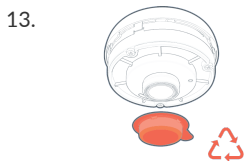
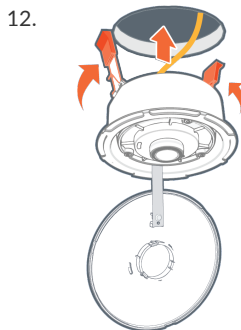
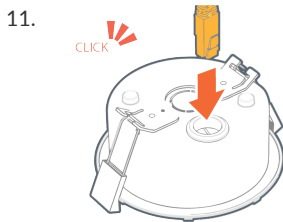


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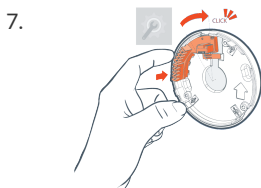
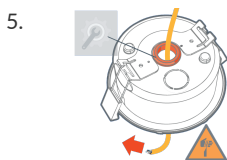
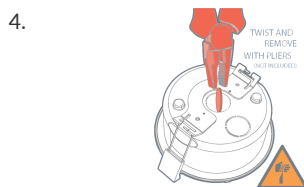
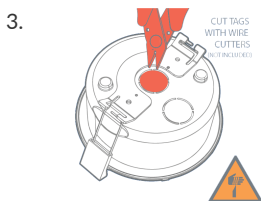
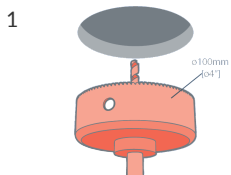


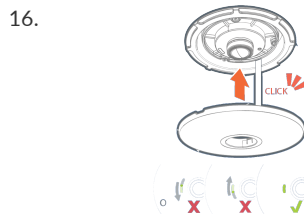
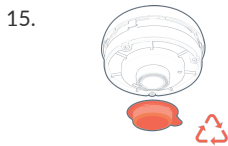
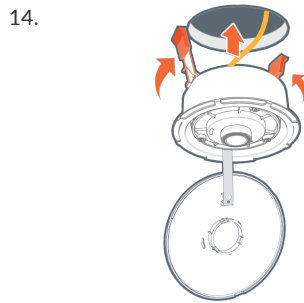
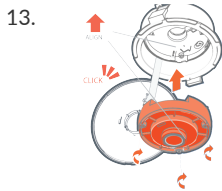
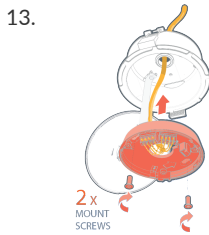
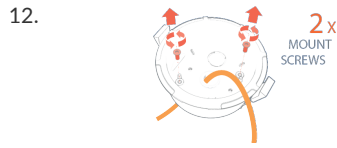
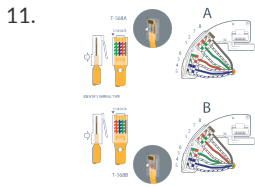
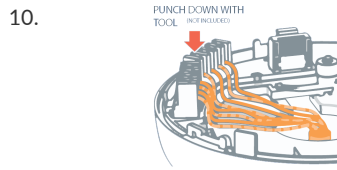
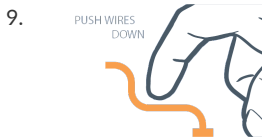
ALIGN

CLICK



## Installation - Punch Down Recess





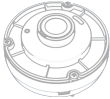
# ONCAM C-12 Outdoor Camera



## Package Contents



Camera Enclosure



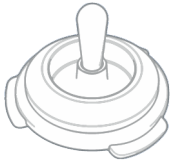
Camera Module



Punchdown Board



RJ45 Cap

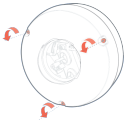


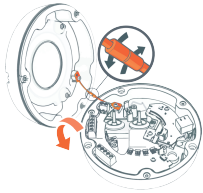
Spare Cable Gland

\*Hex tool not shown

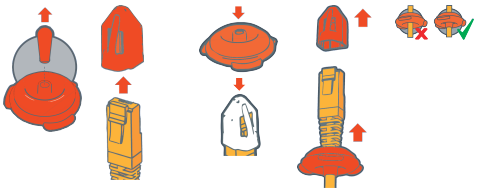
# Installation - RJ45

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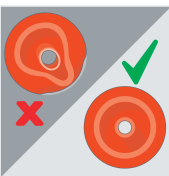

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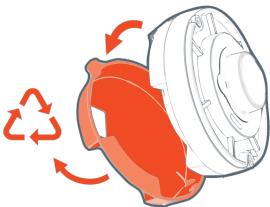

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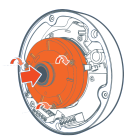

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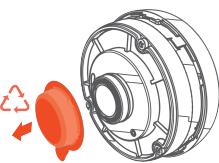

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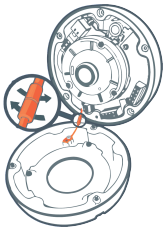

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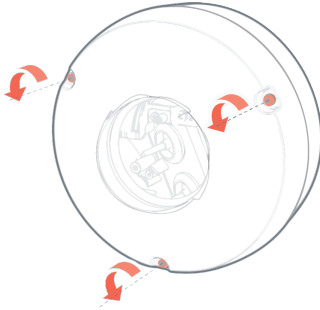


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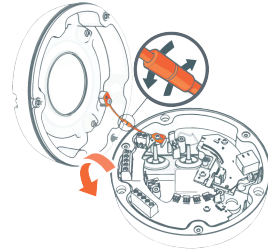


## Installation - Punch Down

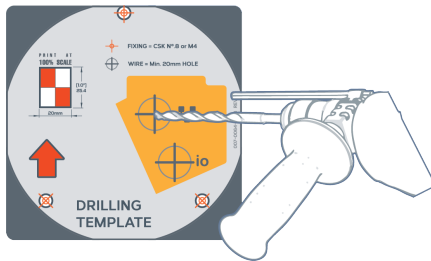
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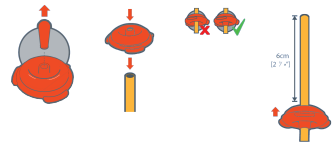
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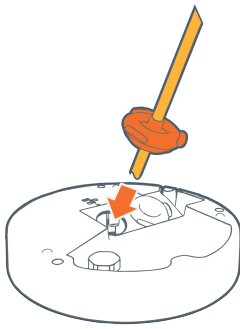
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4.



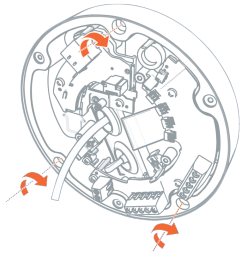
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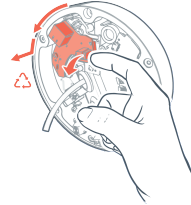
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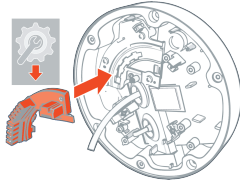
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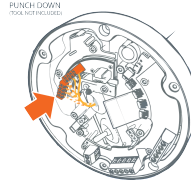
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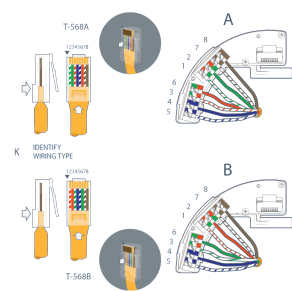
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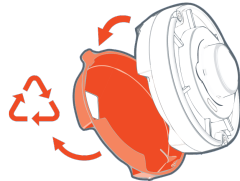
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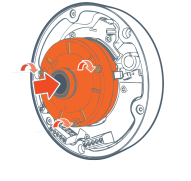
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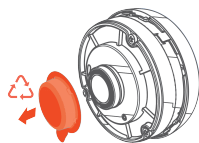
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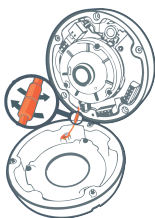
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16.



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18.



# Get the Camera APIPA Address

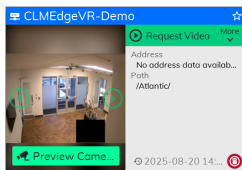
To connect to an EdgeVR, ONCAM IP cameras must use a static IP address. Before you can assign one, you need to obtain the camera's Automatic Private IP Addressing (APIPA) address. APIPA assigns the camera an IP address automatically when no DHCP server is available, allowing you to access and configure it.

## ✓ To get the camera APIPA address

1. Connect the camera to the EdgeVR LAN.

**i** Verify that the camera is on and wait for two minutes to make sure that it is fully started.

2. On the VVI dashboard, select an EdgeVR card, and then select **More**.



3. From the menu, select **Service**.

4. Select the **Setup** tab.

5. From the side menu, select **Camera Setup**.

## Cameras

| UNCONFIGURED CAMERAS |              |      |               |      |                     |                          |              |                                     |        |                          |
|----------------------|--------------|------|---------------|------|---------------------|--------------------------|--------------|-------------------------------------|--------|--------------------------|
| Num                  | Camera Label | Copy | Address       | Port | Type                | Cropping                 | Input (Crop) | Term                                | Stream | Restricted               |
| 1                    | V6050FD      | -    | 192.168.50.20 | 80   | Verint V6050 36...  | <input type="checkbox"/> | 1            | <input checked="" type="checkbox"/> | UDP    | <input type="checkbox"/> |
| 2                    | V3320FD      | -    | 192.168.50.20 | 80   | Verint V3320 (nt... | <input type="checkbox"/> | 1            | <input checked="" type="checkbox"/> | UDP    | <input type="checkbox"/> |
| 3                    | V4320BX      | -    | 192.168.50.20 | 80   | Verint V4320 (nt... | <input type="checkbox"/> | 1            | <input checked="" type="checkbox"/> | UDP    | <input type="checkbox"/> |
| 4                    | V3420RD      | -    | 192.168.50.20 | 80   | Verint V3420RD, ... | <input type="checkbox"/> | 1            | <input checked="" type="checkbox"/> | UDP    | <input type="checkbox"/> |
| 5                    | S1816-1      | -    | 192.168.50.20 | 5510 | Verint S1816 (nt... | <input type="checkbox"/> | 1            | <input checked="" type="checkbox"/> | UDP    | <input type="checkbox"/> |
| 6                    | S1816-4      | 5    | 192.168.50.20 | 5510 | Verint S1816 (nt... | <input type="checkbox"/> | 2            | <input checked="" type="checkbox"/> | UDP    | <input type="checkbox"/> |
| 7                    | HANWHA60     | -    | 192.168.50.23 | 80   | Hanwha XNB-60...    | <input type="checkbox"/> | 1            | <input checked="" type="checkbox"/> | UDP    | <input type="checkbox"/> |

## 6. Select **UNCONFIGURED CAMERAS**.

Unconfigured Devices X

REDISCOVER DEVICES

| Camera Type  | Network | Mac Address       | IP 1 | IP 2 | IP 3 | IP 4 | Camera Number | User |
|--------------|---------|-------------------|------|------|------|------|---------------|------|
| C-12 (ONVIF) | 2       | 00:11:35:10:02:cf | 169  | 254  | 252  | 29   | -             |      |

+ - The following devices require a username and password. For each device, enter the username and password that the DVR will use to communicate with the device.

\* - Camera type appears to already be supported. It is always recommended to use supported camera types whenever possible.

SAVE

CANCEL



If you are using a version of VVI older than 13 or are using Vid-Center, you do not see the redesigned configuration pages in the **Setup** tab. Instead, you are presented with the old configuration dialog boxes when selecting a configuration property.

7. Write down the cameras APIPA IP Address shown.

8. Select **CANCEL**.

9. Close VVI.

## Set a Static IP Address and Password

To connect to an EdgeVR, ONCAM IP cameras must use a static IP address. A static IP ensures a consistent, reliable connection between the camera and the EdgeVR, preventing communication issues that can occur with dynamically assigned addresses.

### ✓ To set a static IP address and password

1. Change your laptop IP address to be 169.254.0.1, 255.255.0.0, make sure your laptop is connected to the same LAN as the camera.
2. In a web browser, type the APIPA IP address of the camera.
3. In the **Username** box, set the username to **admin** (all lowercase).
4. In the **Password** box, set the Administrator password to **Oncam01!**.
5. From the left menu, select **Network**.

Dashboard

Device

Video/Audio

Events

Recording

Motion/Analytics

Users

Peripherals

Network Configuration

Network Settings

Configure camera network settings such as IP address, DNS and NTP

IP Address Format

DHCP

Static IP Address

Static Mask

Gateway

LAN Local Address

Camera MAC Address

DNS

NTP Server

Save Changes

6. For DHCP, select the **Disabled** switch to prevent the camera from obtaining a DHCP address.

7. In the **Static IP Address** box, type a static IP address using the IP scheme for the camera LAN (Usually 192.168.1.x).

8. From the left menu, select **Video/Audio** and then from the top menu select **Image Settings**.
9. Under **Advanced Light Management Technology** for **Exposure Priority**, select **Frame Rate**.
10. From the bottom, select **Save Changes**.
11. Reboot the camera.
12. Reconnect to the EdgeVR using VVI.

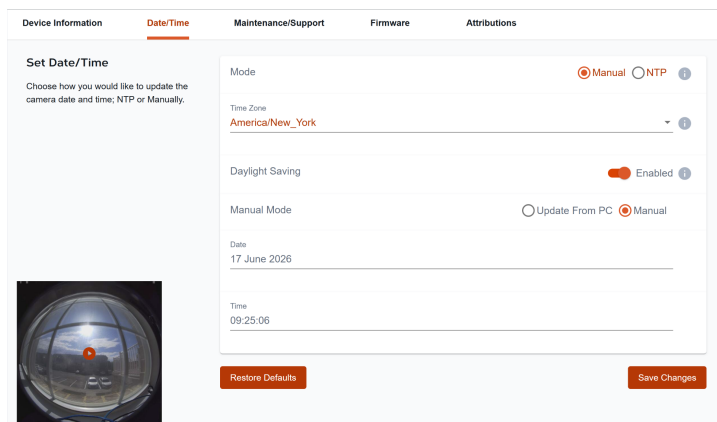
## Set the Camera Date and Time

An accurate time stamp ensures that all recorded data is accurate and trustworthy and can serve as legal evidence. Footage with accurate timestamps is far more credible for investigations, audits, and legal purposes. If the time is incorrect or inconsistent across cameras, it can lead to gaps or discrepancies in the sequence of events.

Synchronize the camera date and time with the EdgeVR to maintain consistency across all connected devices and avoid discrepancies in recorded data. Proper configuration supports accurate reporting, simplifies troubleshooting, and helps maintain reliable audit trails.

### ✓ To set the camera date and time

1. From the left menu, select **Device**.



The screenshot shows the 'Date/Time' configuration page for an ONCAM camera. The page has a top navigation bar with tabs: 'Device Information', 'Date/Time' (active), 'Maintenance/Support', 'Firmware', and 'Attributions'. On the left, under 'Set Date/Time', there is a note: 'Choose how you would like to update the camera date and time: NTP or Manually.' Below this is a live camera feed showing a fisheye view of a street scene. The main configuration area on the right includes:
 

- Mode:** Radio buttons for 'Manual' (selected) and 'NTP'.
- Time Zone:** A dropdown menu currently set to 'America/New\_York'.
- Daylight Saving:** A toggle switch set to 'Enabled'.
- Manual Mode:** Radio buttons for 'Update From PC' and 'Manual' (selected).
- Date:** A text input field showing '17 June 2026'.
- Time:** A text input field showing '09:25:06'.

 At the bottom of the configuration area are two buttons: 'Restore Defaults' and 'Save Changes'.

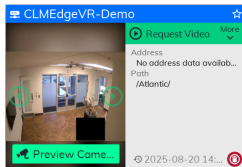
2. From the top menu, select **Date/Time**.
3. For **Mode**, select **Manual** and set the date and time to match the location of the camera.
  - a. From the **Time Zone** list, select the time zone.
  - b. Select the **Enabled** switch for the **Daylight Saving**.
  - c. In the **Date** box, select the current date.
  - d. In the **Time** box, set the current time.
4. From the bottom, select **Save Changes**.

## Connect the ONCAM Camera with an EdgeVR

After installing and setting the camera static IP address, manually add the camera to the EdgeVR using VVI. When adding a camera, the EdgeVR will try connecting to the camera using the stored custom camera password. If the camera rejects the password, the EdgeVR will then try the manufacturers default administrator username and password. As soon as a connection is made, the EdgeVR updates the camera administrator password to use the EdgeVR custom camera password.

✓ To connect the ONCAM Camera with an EdgeVR

1. On the VVI dashboard, select an EdgeVR card, and then select **More**.



2. From the menu, select **Service**.
3. Select the **Setup** tab.
4. From the side menu, select **Camera Setup**.

Cameras

| UNCONFIGURED CAMERAS |              |      |               |      |                     |                          |              |                                     |        |                          |
|----------------------|--------------|------|---------------|------|---------------------|--------------------------|--------------|-------------------------------------|--------|--------------------------|
| Num                  | Camera Label | Copy | Address       | Port | Type                | Cropping                 | Input (Crop) | Term                                | Stream | Restricted               |
| 1                    | V6050FD      | -    | 192.168.50.20 | 80   | Verint V6050 36...  | <input type="checkbox"/> | 1            | <input checked="" type="checkbox"/> | UDP    | <input type="checkbox"/> |
| 2                    | V3320FD      | -    | 192.168.50.20 | 80   | Verint V3320 (nt... | <input type="checkbox"/> | 1            | <input checked="" type="checkbox"/> | UDP    | <input type="checkbox"/> |
| 3                    | V4320BX      | -    | 192.168.50.20 | 80   | Verint V4320 (nt... | <input type="checkbox"/> | 1            | <input checked="" type="checkbox"/> | UDP    | <input type="checkbox"/> |
| 4                    | V3420RD      | -    | 192.168.50.20 | 80   | Verint V3420RD, ... | <input type="checkbox"/> | 1            | <input checked="" type="checkbox"/> | UDP    | <input type="checkbox"/> |
| 5                    | S1816-1      | -    | 192.168.50.20 | 5510 | Verint S1816 (nt... | <input type="checkbox"/> | 1            | <input checked="" type="checkbox"/> | UDP    | <input type="checkbox"/> |
| 6                    | S1816-4      | 5    | 192.168.50.20 | 5510 | Verint S1816 (nt... | <input type="checkbox"/> | 2            | <input checked="" type="checkbox"/> | UDP    | <input type="checkbox"/> |
| 7                    | HANWHA60     | -    | 192.168.50.23 | 80   | Hanwha XNB-60...    | <input type="checkbox"/> | 1            | <input checked="" type="checkbox"/> | UDP    | <input type="checkbox"/> |

5. In the **Camera Label** box, type a descriptive name for the connected camera.
6. From the **Type** list, choose **ONCAM C-12 360-view** or **ONCAM C-12 360 view WDR single stream**.  
From the **Type** list, choose **ONCAM C-08 360-view** or **ONCAM C-08 360 view WDR single stream**.
7. In the **Address** box, type the IP address of the IP camera.



The correct port number is automatically entered in the **Port** box,

8. Select **SAVE**.

## Enable Sync camera date/time to DVR

Synchronize the camera date and time with the EdgeVR to maintain consistency across all connected devices and avoid discrepancies in recorded data. Proper configuration supports accurate reporting, simplifies troubleshooting, and helps maintain reliable audit trails.

### ✓ To enable Sync camera date/time to DVR

1. On the VVI dashboard, select an EdgeVR card, and then select **More**.



2. From the menu, select **Service**.
3. Select the **Setup** tab.
4. From the side menu, select **Network**.
5. From **Network 2**, or **Network 3** tabs, select **Sync camera date/time to DVR** to allow connected IP cameras to synchronize the date and time with the EdgeVR date and time.
6. Select **SAVE**.
7. From the **Select Action** list, select **Reboot DVR**.
8. Verify that the cameras are working by checking the EdgeVR Status logs and then adjust the Live Profiles and Recorded and Live video properties.

