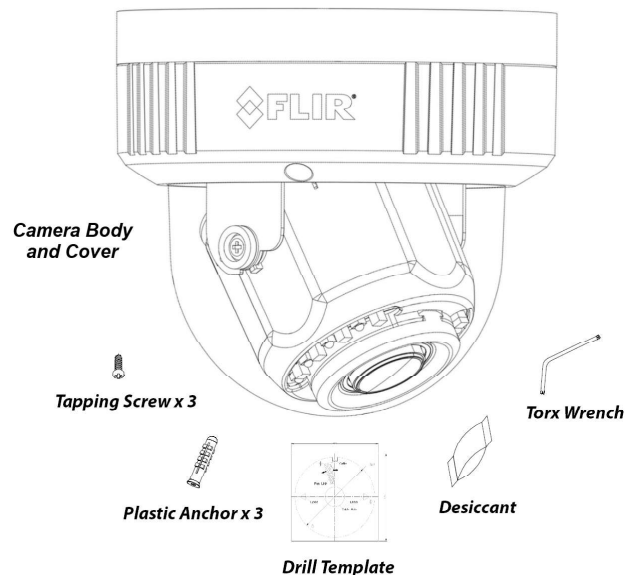




# Ariel™ Mini-Dome CM-3202-11-I Quick Install Guide



Items Included in Kit

## 1 Check Contents

Make sure all of the items above are included in the camera kit.

## 2 Prepare to Install the Camera

### 2.1 Install FLIR Discovery Network Assistant

Download the Teledyne FLIR Discovery Network Assistant (DNA) tool to a computer on the same VLAN to which you will connect the camera, and then unzip the file. The DNA tool does not require a license to use and is a free download from [. . .](#)

### 2.2 Perform a Bench Test (Optional)

You can test the camera or configure it for networking before mounting it. Remove the camera cover (see [3.2 Remove Camera Cover](#)), connect the camera ([4.3 Route Cables and Connect the Camera](#)), and attach the camera cover ([4.3 Re-attach Camera Cover](#)). Then, you can perform a bench test or discover the camera and configure it for networking ([4.1 Configure for Networking](#)) before continuing with [2.3 Select a Location](#).

### 2.3 Select a Location

Select a suitable location to mount the camera.

For advice on positioning and orienting the camera, see the camera's installation and user guide.

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This document does not contain any export-controlled information.

Verify that the operating temperature range is between -30°C ~ 60°C (-22° ~ 140° F), 10-90% relative humidity (non-condensing).

For the list of mounting accessories available for the camera, see the *Teledyne FLIR Security Cameras - Accessory Guide*.

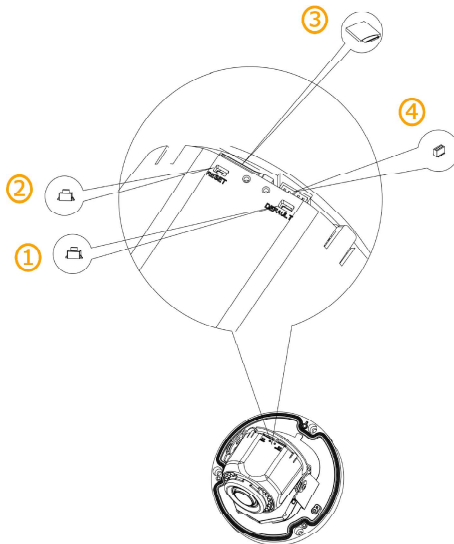
### 3 Install the Camera

#### 3.1 Fit Mounting Hardware

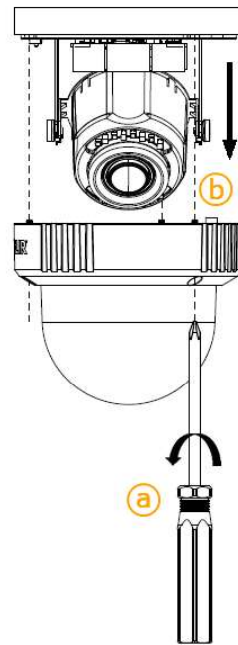
If required, install the mounting hardware for the camera according to the instructions for the hardware.

#### 3.2 Remove Camera Cover

- a. Using the Torx wrench, loosen the three Torx screws counter-clockwise.
- b. Gently pull the top cover away from the camera body.



Internal Interfaces



Internal interface		Description
1	DEFAULT	To reset the camera to its factory defaults, press the Default button for six seconds.
2	RESET	To reboot the camera, press the Reset button for one second.
3	Micro SD card slot	For recording and file storage, insert a microSDXC card (minimum 64GB, maximum 512GB, Class 10) in the card slot.
4	RS232 terminal block	Not used

### 3.3 Route Cables and Connect the Camera

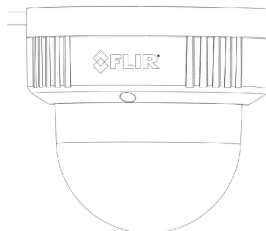


System Cable

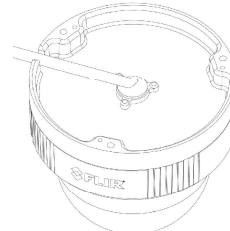
Connector	
Black	RJ-45
Pink	AUDIO OUT
Light green	AUDIO GND
Light blue	MIC IN-
Yellow black	MIC IN+
Purple	ALARM COM
Blue	ALARM OUT
Gray	ALARM IN
White	ALARM GND
Black	12 VDC-
Red	12 VDC+

- Properly install the power and network cabling in the mounting hardware so that it is accessible when the camera is mounted.
- Attach an Ethernet cable from the network switch to the RJ45 connector for a 100 Mbps Ethernet and PoE (Power over Ethernet) IEEE 802.3af Class 3 connection. Ethernet is required for streaming video and for configuring the camera.
- Connect the audio, microphone, and alarm connectors, as needed.
- If using a 12 VDC power supply, connect its wires to the two-pin power terminal block.

Cables can enter the camera from the side or from the bottom.



Side cable entry

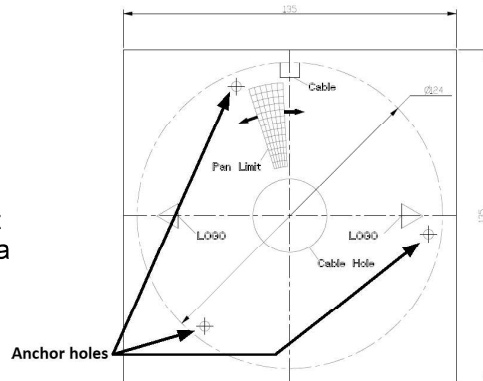


Bottom cable entry

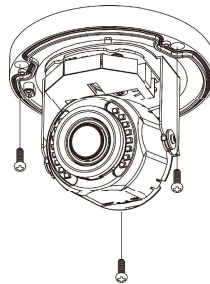
### 3.4 Mount the Camera

- Be sure to have the required accessories and tools available.
- Refer to the camera's installation and user guide as necessary.
- Paste the included drill template onto the wall or ceiling where you are mounting the camera.

- d. Drill three anchor holes according to the template.
- e. Hammer the three plastic anchors into the drilled holes.
- f. If the cable from the conduit does not enter on the side of the camera, drill a hole for cable entry according to the template.



- g. Place the camera over the surface and securely fasten the three tapping screws clockwise into the plastic anchors.



- h. Check that the camera's orientation covers the required field of view.

### 3.5 Place the Desiccant in the Camera

- a. Carefully tear open the vacuum-packed aluminum desiccant bag along the slit on one edge.
- b. Remove the desiccant.
- c. Remove the paper backing of the double-sided tape on one side of the desiccant.
- d. Firmly attach the desiccant to the camera in the location shown.



#### Important

- After placing the desiccant in the camera, attach the camera cover as soon as possible.
- To prevent condensation in the camera, tightly seal the mounts and conduits. Otherwise, the desiccant will become damp and cannot be used.

## 4 Configure the Camera

You can configure the camera using the DNA tool, the camera's web page, or a VMS.

	DNA tool	Camera's web page
Discover camera IP address	•	
Configure IP address, mask, and gateway	•	•
Configure DNS settings, MTU, and Ethernet speed		•
Change user credentials	•	•
Change video format	•	•
Configure more than one camera at the same time	•	


For information about using a VMS to configure the camera, see the VMS documentation.

## 4.1 Configure for Networking

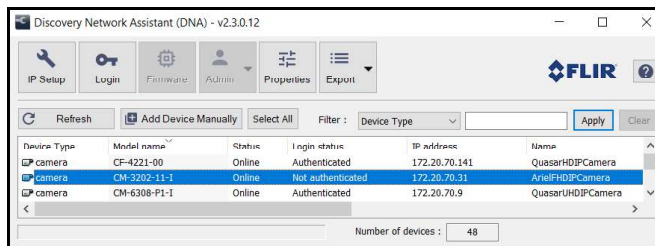
By default, DHCP is enabled on the camera and a DHCP server on the network assigns the camera an IP address. For example, if the camera is managed by Teledyne FLIR's Horizon or Meridian VMS and the VMS is configured as a DHCP server, the VMS automatically assigns the camera an IP address.

If the camera is managed by Teledyne FLIR's Latitude VMS or is on a network with static IP addressing, you can manually specify the camera's IP address using the DNA tool or the camera's web page. The camera's default IP address is 192.168.0.250.

### To manually specify the camera's IP address using the DNA tool:

- Make sure the camera and the PC are on the same LAN segment.
- Run the DNA tool (DNA.exe) by double-clicking .

The Discover List appears, showing compatible devices on the LAN segment and their current IP addresses.

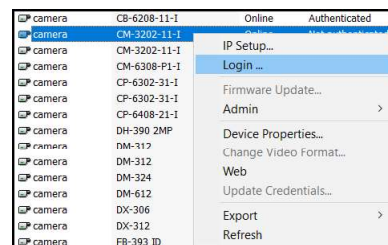


In the DNA Discover List, verify that the camera's status is *Online*.


If this is the first time you are configuring the camera or if it is the first time after resetting the camera to its factory defaults, DNA automatically authenticates the camera with the default password for the camera's admin user (*admin*).

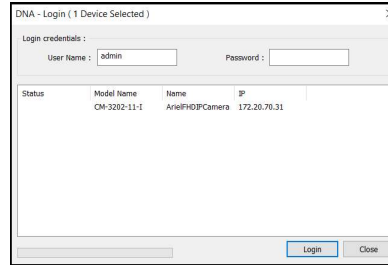
If the admin user password has been changed, you need to authenticate the camera.

In the DNA Discover List, right-click the camera and select **Login**.



In the **DNA - Login** window, type the password for the admin user. If you do not know the admin user password, contact the person who configured the camera's users and passwords.

Click **Login**, wait for  **Ok** status to appear, and then click **Close**.




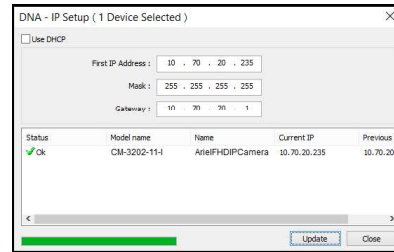
In the DNA Discover List, verify that the camera's status is *Authenticated*.

- d. Change the camera's IP address.

Right-click the camera and select **IP Setup**.

In the **DNA - IP Setup** window, clear *Use DHCP* and specify the camera's *IP address*. You can also specify the *Mask* (default: 255.255.255.0) and *Gateway*.

Then, click **Update**, wait for  **Ok** status to appear, and then click **Close**.

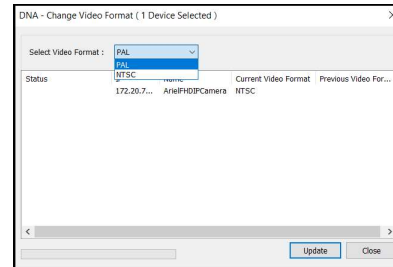


## 4.2 Change Video Format (Optional)


By default, NTSC is the camera's video format.

**To change the camera's video format to PAL using the DNA tool:**

- a. In the DNA Discover List, right-click the camera and select **Change Video Format**.
- b. In the **Change Video Format** window, select **PAL**.



- c. Click **Update**, wait for  **Ok** status to appear, and then click **Close**.

For more information about using the DNA tool to configure one or more cameras, see the *DNA User Guide*. While the software is open, click the Help icon .

## 4.3 Complete Camera Setup

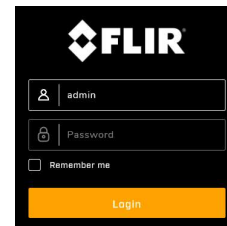
Specify the camera's zoom and focus, and format the microSDXC card, using the camera's web page, which supports Google Chrome (recommended), Firefox, Microsoft Edge, and Internet Explorer 11 (32-bit), on PCs running 64-bit Windows 7, 8, 8.1, or 10.

- a. Log in to the camera's web page.

In the DNA Discover List, double-click the camera.

On the login screen, type a user name and password. Both are case-sensitive.

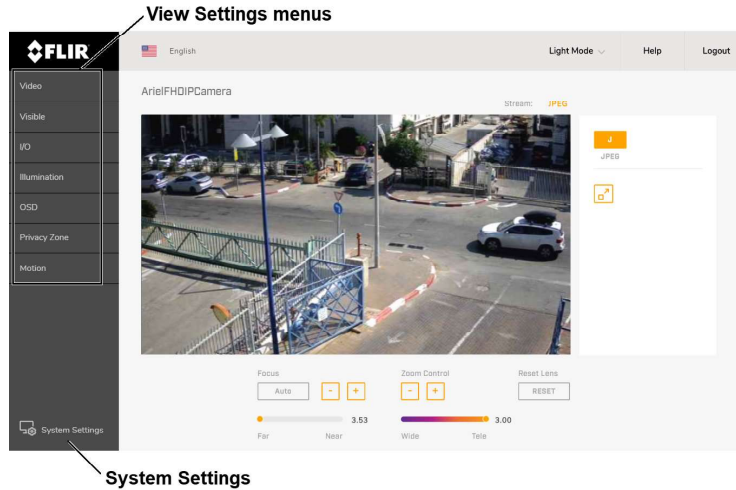
The camera's View Settings Home Page opens.



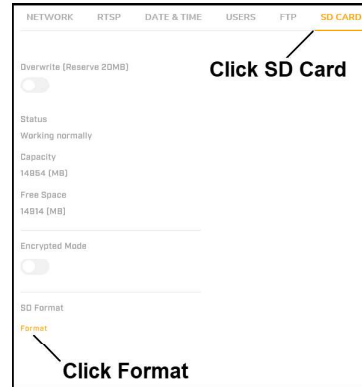
When logging in to the camera's web page for the first time or for the first time after resetting the camera to its factory defaults, type *admin* for the user name and for the password.

Then, specify a new password for the admin user. Use a strong password consisting of at least eight characters and at least one uppercase letter, one lowercase letter, and one number. Passwords can include the following special characters: |@#~!\$%<>+\_-.,\*?=. .

Log back in using the new password.



- b. Using the controls under the live video, configure the camera's focus and zoom.
- c. Format the microSDXC card.  
Click **System Settings**.  
In the top navigation bar, click **SD Card**.  
Under SD Format, click **Format**.



#### 4.4 Re-attach Camera Cover

- a. Carefully place the top cover over the camera body.  
Align the notch on the top cover with the guide pin on the camera body, and the wide guide strip on the outside of the cover over the side conduit hole.



Top Cover Alignment



Make sure the anti-drop cable is completely inside the camera. Make sure nothing obstructs the rubber seal between the camera's top cover and the body.

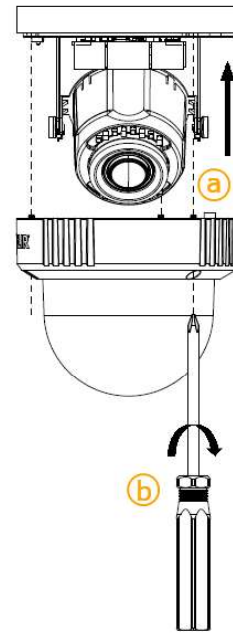
Make sure the cover sits properly and securely onto the body.

b. Securely fasten the three Torx screws clockwise.



**Caution**

Properly attaching the top cover to the camera body makes sure water does not get into the camera. Teledyne FLIR is not responsible for damage to the camera due to not adhering to these instructions.

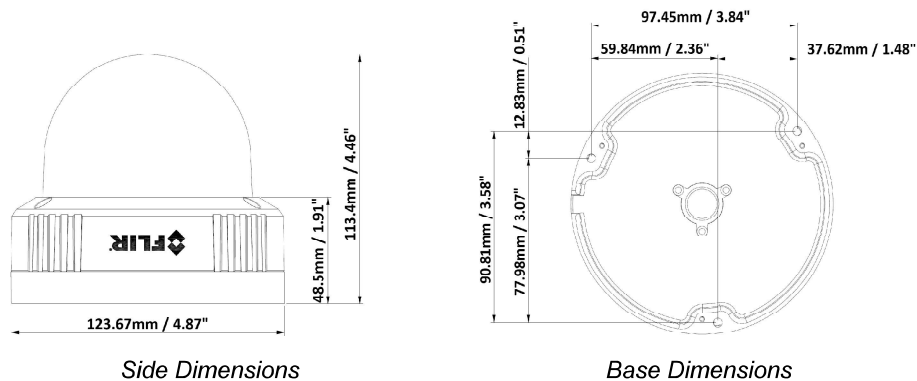


### 4.5 Attach the Camera to a VMS

After you have mounted the camera and discovered or defined its IP address, you can use VMS Discovery/Attach procedures to attach the camera to a VMS.

## 5 Camera Dimensions

The Ariel CM-3202-11-I camera's dimensions are:



## 6 Register the Product

Register the product at [\\_\\_\\_\\_\\_](#)  
 For warranty information, see [\\_\\_\\_\\_\\_](#)

## 7 Contact Information

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