A. Connect the Camera

1. Select one of the following power connections:
   - Connect the Ethernet cable from the camera to a PoE+ switch/injector (for -40° to 50°C/-40° to 122°F)
   - Connect the Ethernet cable from the camera to a PoE switch/injector (for -10° to 50°C/14° to 122°F)
   - Connect the camera’s power cable to a 12VDC (1.6 amps), 24 VDC (0.8 amps), or 24VAC (0.85 amps) power supply (for -40° to 50°C/-40° to 122°F)
2. Connect the analog video, audio in, audio out, alarm cables as required for your system.

B. Discover the Camera

The camera’s web interface can be accessed by Internet Explorer 9 and higher (32-bit) with the ActiveX plug-in on PCs running 64-bit Windows XP, 7, 8, 8.1, or 10.

B.1. Configuring the camera on your workstation for the first time
1. Install the CD in the product package or download FLIR’s Discovery Network Assistant (DNA) utility from the Support > FLIR Firmware & Software Downloads page at http://www.flir.com/security.
2. Click the DNA icon and run DNA version 2.1.x.x or above to log into the unit.
3. Attach the unit to the same LAN segment as the computer that is managing the unit. DNA automatically discovers the unit on the network and displays the device’s current IP address in the Discover List.
4. Select the unit from the Discover List.
5. Select PAL or NTSC by selecting the unit and clicking Change Video Format from the context menu, or from the Properties > Device Properties screen.
6. Click Update.

B.2.a Managing the camera with Horizon, Meridian or on a DHCP-enabled network
If the camera is managed by Horizon configured as a DHCP server, or is on a network with a DHCP server, the camera automatically receives an IP address.
1. Open DNA. The unit is automatically discovered on the network. See section B.1 for instructions how to install DNA.
2. Verify that the unit is displayed in the Discover List. The unit status should be displayed as Online and Authenticated.

B.2.b Managing the camera with Latitude or on a network with static IP configuration
If the camera is managed by Latitude or is on a network without a DHCP server, you must manually enter its IP address in DNA.
1. Open DNA. The unit is automatically discovered on the network. See section B.1 for instructions how to install DNA.
2. If you use non-default credentials, the unit might become unauthenticated. In this case, authenticate the unit:
   a. Use DNA to select the unit(s).
   b. Right-click or click the Login button.
   c. Enter the camera’s User Name (“admin”) and Password (“admin”).
   d. Click Login.

3. In the DNA Assign IP screen, uncheck Use DHCP, and enter the unit’s IP, Mask and Gateway IP addresses. If the camera is not authenticated, you must first authenticate it.

4. Click Update.

B.3. Log into the Unit
1. Click the unit in DNA’s Discover List. The Login window opens.
2. Enter the default User Name (“admin”) and Password (“admin”), which are case-sensitive. Then click OK.
3. Click Login in DNA. The unit’s web interface opens.
4. Click the message to install the ActiveX plug-in.
5. Follow the on-screen instructions to install the plug-in.
C. Mount and Position the Camera

1. Install the camera at the site. Be sure to have the required accessories and tools available.
2. Verify that the camera is mounted at a minimum height of 4 meters (13 feet).
3. Select the Live screen.
4. Adjust the zoom so that it includes the required Field of View.
5. Adjust the focus. Use the Push button to automatically focus the lens.
6. Refer to the User and Installation Guide as necessary.

D. Auto-Calibrate the Camera

From the navigation bar, select the Settings > Analytics > Depth tab. The web interface opens on the Depth > AUTO screen. Verify that the camera is installed at a height of at least four meters (13 feet) and that the horizon is less than 30% of the Field of View.

1. From the Units drop-down list, select Feet or Meter.
2. Select Set camera height and enter the estimated camera height.
3. Click START. The camera automatically calibrates the depth. Be sure that a person is walking along the Y (Vertical) axis of the FoV while Auto Calibration is in process.
4. Verify that the horizon, camera height, and human marker settings are correct.
5. Click MANUAL and finish configuring depth settings.

- While Auto Calibration is in progress, you can proceed to steps E (Select rule) and F (Detect).
- The Auto Calibration finishes when the progress bar reaches 100%. If you stop the procedure before it finishes, the analytic process will reset.
- If you change from Auto to Manual mode, you must wait until the analytic process resets in order to use Manual mode.

E. Select Rule

From the navigation bar, select Analytic > Rules. A rule for detecting humans or vehicles entering the scene (blue masked area) is defined by default. You can activate rules, modify settings, delete, or add a new rule. To create a new rule:

1. Click NEW.
2. Select the rule type by clicking the link.
3. Draw on the video scene where you want the detection to take place.
4. Define the attributes for detection from the Basic and Advanced tabs.
5. When finished, click APPLY to save the settings.

F. Detect

1. Select the Live tab.
2. Click ARM. The camera is ready for use.
3. Click the red recording icon to start recording.

Analytic performance is optimized only after the auto depth calibration process is completed.

G. Attach to Latitude

1. In Latitude, click Physical View on the sidebar.
2. On the Navigation Tree, click the system name.
3. From the Discovery tab, do the following:
   a. Under Cameras and Encoders, select IOimage (Latitude 7) or FLIR (Latitude 8).
   b. Click Start. The camera details are displayed in the Discovery table.
   c. If the camera was not discovered, click Discover Unit Manually.
   d. Enter the camera’s IP address and select ioimage (Latitude 7) or FLIR and Auto Detect (Latitude 8).
   e. Click OK.
4. In the Discovery table, right-click the camera.
5. Click Attach.
6. Click the Archiver name to attach.
7. Click Save.