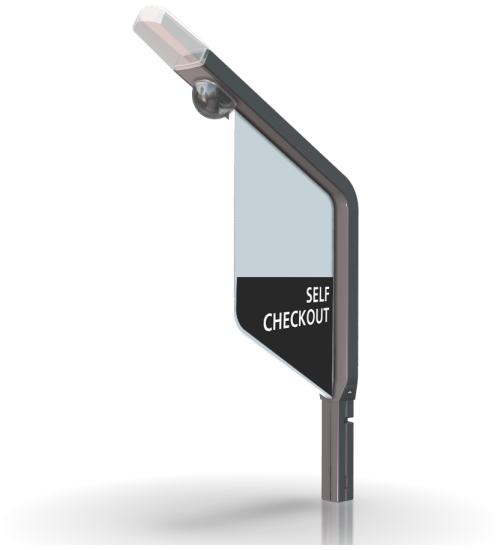
Kit Instructions

Tri-Light/Lane Light with Camera Assembly



7360-K066

Issue E

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Revision Record

Issue	Date	Remarks
A	Aug 2019	First issue.
B	May 2020	Updated Username from **Admin** to **admin**.
C	Dec 2021	• Added Routing the Tri-Light/Lane Light Cable on a Fixed unit on page 13. • Added Routing the Tri-Light/Lane Light Cable on a Convertible unit on page 15.
D	Jan 2023	Updated with IP-Guild Styles.
E	Nov 2023	• Modified Configuring the Camera Settings on page 21. • Added Configuring the Camera Settings using SADP Tool on page 22. • Added Configuring the Camera Settings using Batch Configuration Tool on page 30. • Added Installing Batch Configuration Tool on page 32.

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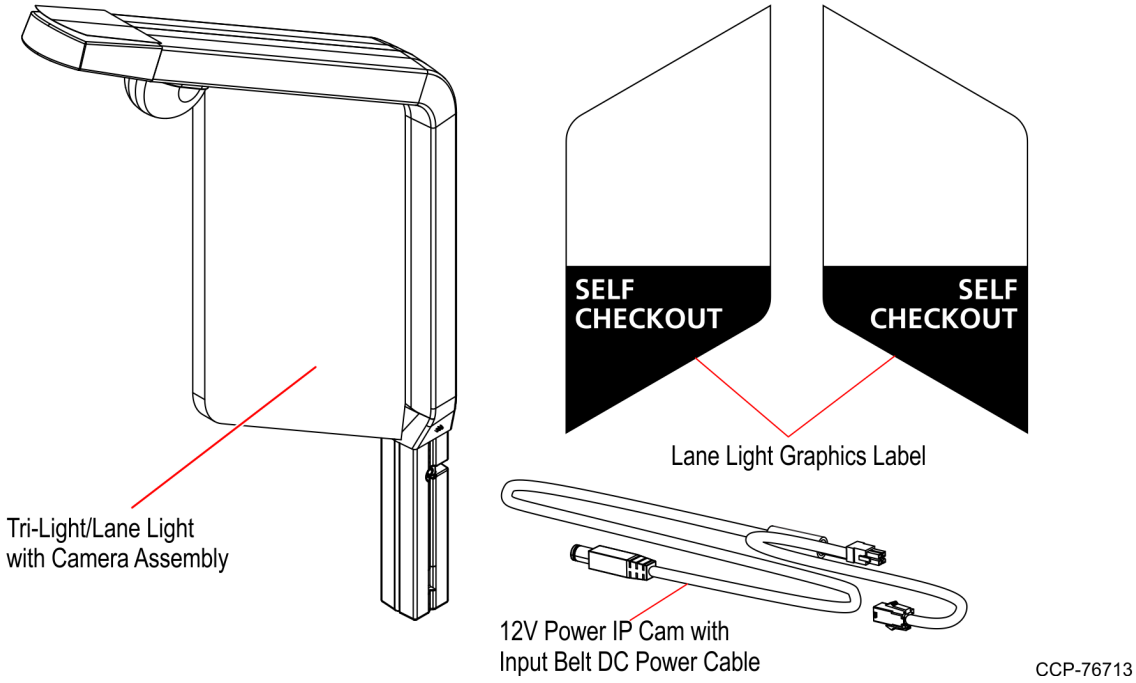
Tri-Light/Lane Light with Camera Assembly

This publication provides procedures for installing a Tri-Light/Lane Light with Camera Assembly to an NCR SelfServ™ Checkout (7360) unit.

Kit Contents



Part Number	Description
497-0525295	7360-K066 Tri-Light/Lane Light with Camera
497-0524107	Tri-Light/Lane Light with Camera Assembly
* 006-8614045	Cable Tie - Nylon, 11 ⅜ in Long
497-0525458	12V Power IP Cam with Input Belt DC Power Cable, 2.794 m
* 497-0506953	Cable, Ethernet, 10/100/1000MBaseT, 8-wire, putty color 5000 mm

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Part Number	Description
* 497-0525183	Assy, Pack for SCO R6 Tri-Light with Camera
497-0511101	Lane Light Graphics Label – NCR Fastlane
* 497-0423108	Instructions – Kit (Reference Sheet)

* Items marked with an asterisk are not called out on the image.

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Installation Procedures

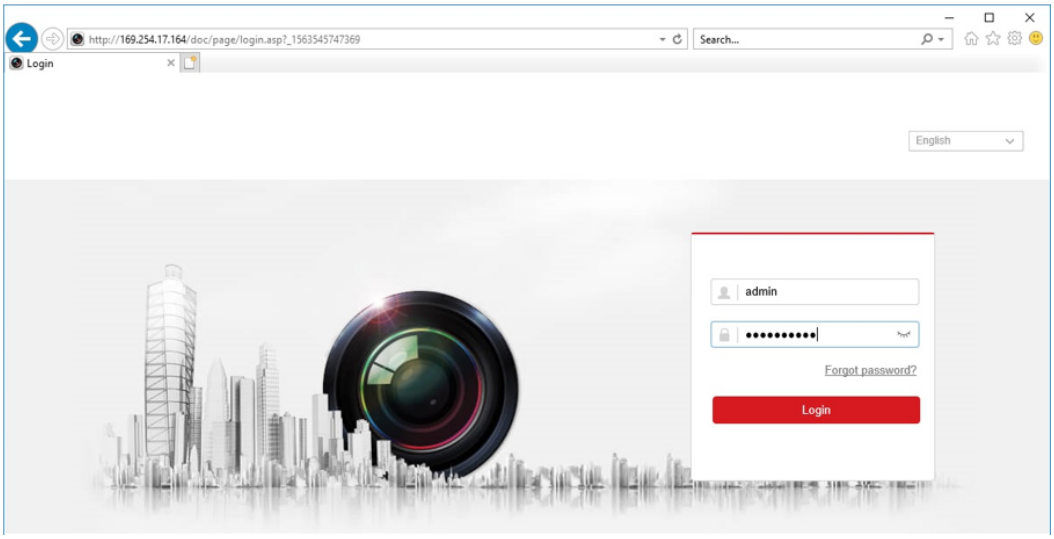
To install the Tri-Light/Lane Light with Camera Assembly, follow these steps:

> **Note**
> Ensure that the NCR Customer Helpdesk is informed when the Tri-Light/Lane Light with Camera is installed in the store.

1. Remove the existing Tri-Light/Lane Light Assembly, if necessary. For more information, refer to Removing the Tri-Light/Lane Light (R6) on page 6.
2. Install the new Tri-Light with Camera Assembly. For more information, refer to Installing Tri-Light/Lane Light with Camera Assembly on page 8.
3. Configure the Camera Settings. For more information, refer to Configuring the Camera Settings on page 21.

   > **Note**
   > For more information about setting up the camera, refer to **Hikvision Network Camera User Manual**.

4. Access the camera view by doing the following:
   a. Open a web browser.
   b. Enter the IP Address of the network camera in the address bar and press Enter to access login interface.



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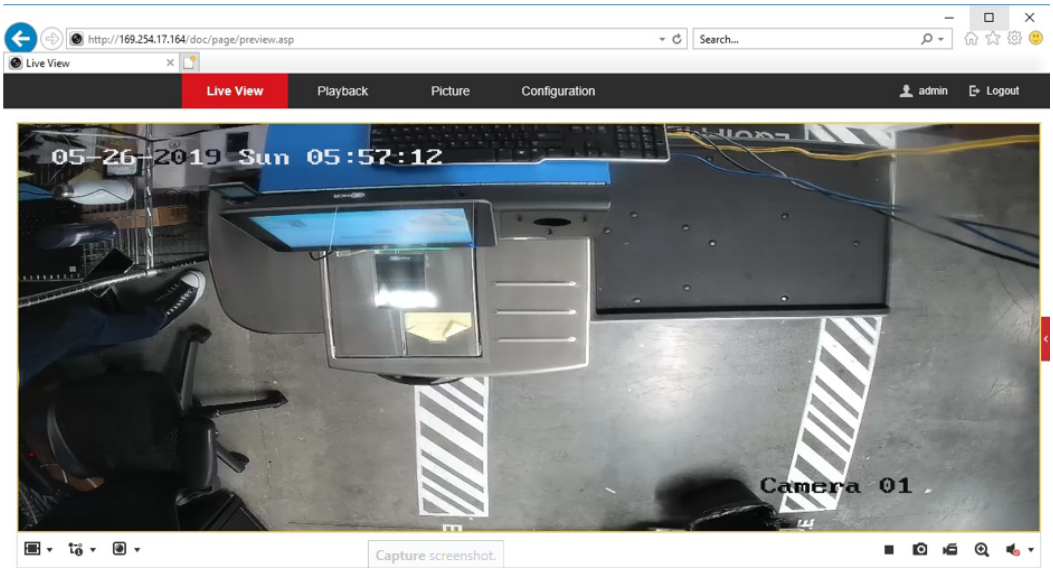
c. Enter the following default login credentials:
   Username: **admin**
   Password: **HikVision1**
   The browser opens a live feed of the camera, as shown in the image below.



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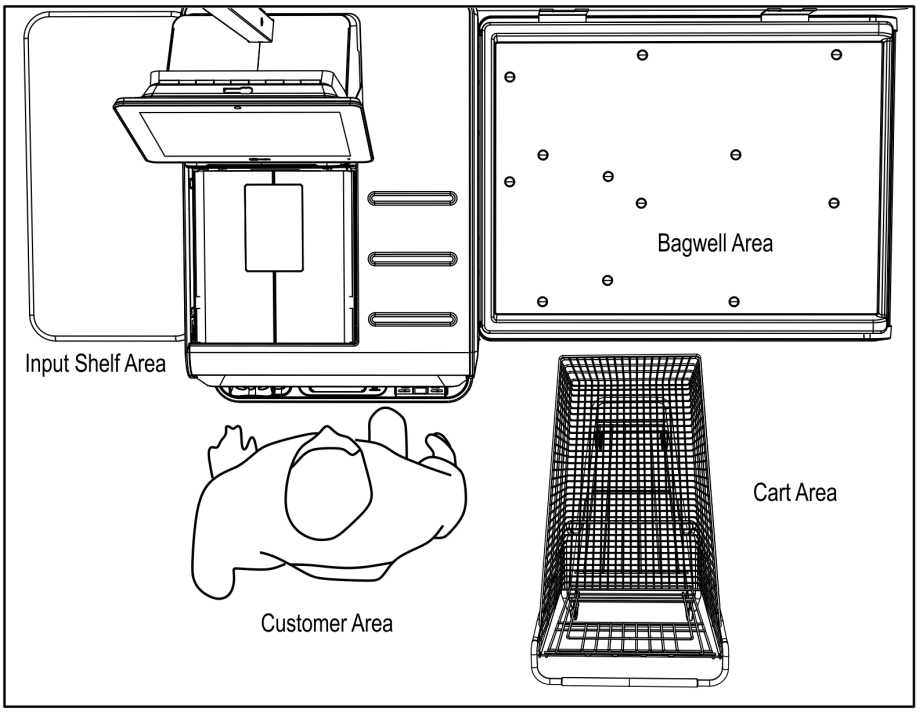
5. Adjust the view of the camera to ensure that the following conditions are met:
    - Customer's normal reach to Input and Bagwell areas are visible.
    - Customer area is visible.
    - Cart area is visible.

    Note
    Refer to the image below for an example of an ideal camera view. For the purpose of illustration only, the image below shows a Right-hand (RH) orientation. For more information on setting the camera parameters, refer to **Hikvision Network Camera User Manual**.



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Note
Ensure that the NCR Customer Helpdesk is informed when the Tri-Light/Lane Light with Camera is installed in the store.

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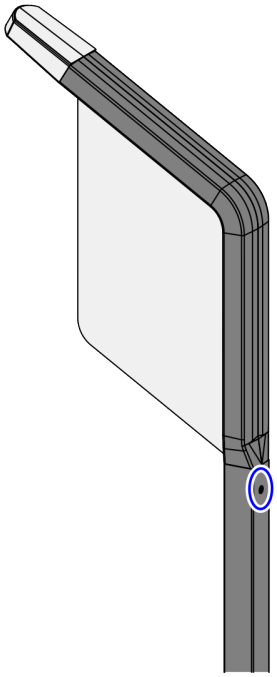
Removing the Tri-Light/Lane Light (R6)

To remove the Tri-Light/Lane Light Assembly, follow these steps:

1. Turn off the NCR SelfServ Checkout software and hardware systems.
2. Remove one (1) screw to detach the Tri-Light/Lane Light Assembly to the Tri-Light/Lane Light pole.



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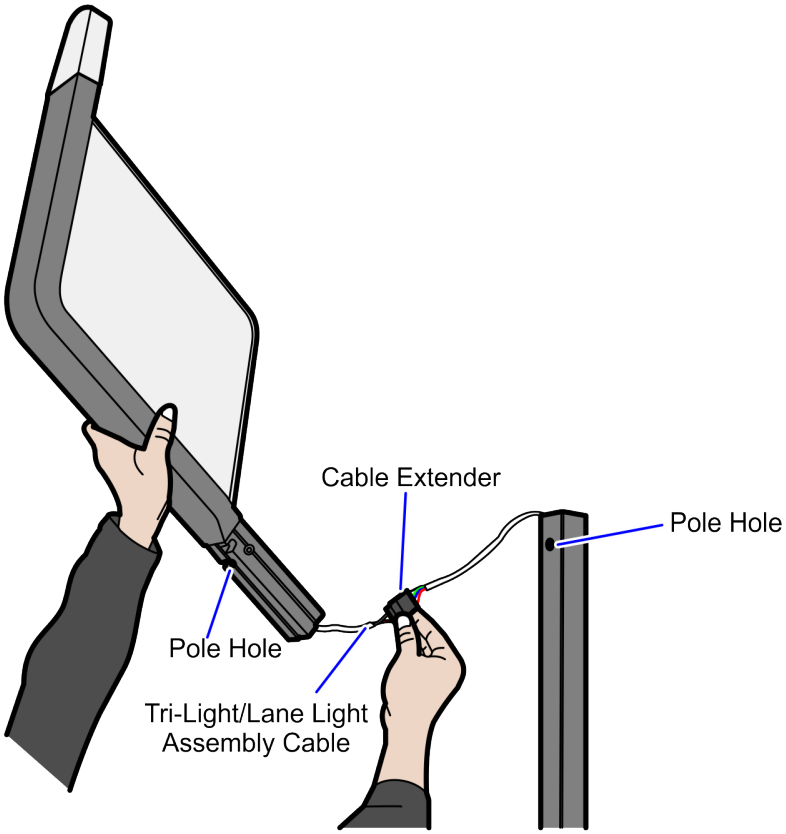
3. Lift the Tri-Light/Lane Light Assembly and then disconnect the cables.

> **Tip**
> Mark all cables as to where they are connected to quickly determine the corresponding port when reconnecting the cables.



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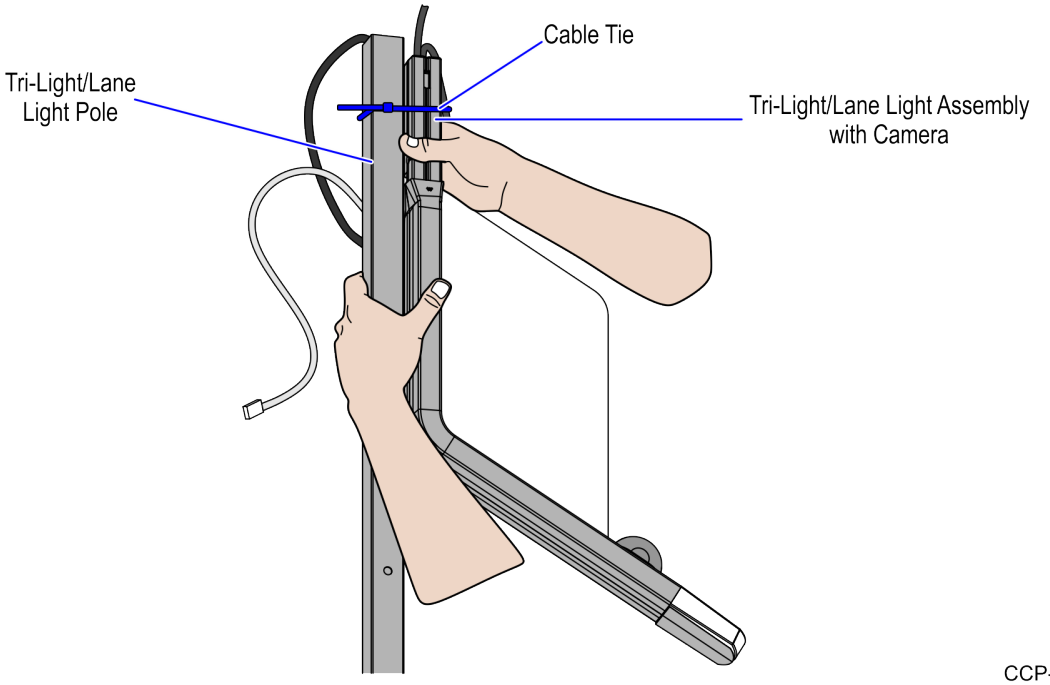
Installing Tri-Light/Lane Light with Camera Assembly

To install the Tri–Light/Lane Light Assembly, follow these steps:

> **Note**
> Ensure that the NCR Customer Helpdesk is informed when the Tri-Light/Lane Light with Camera is installed in the store.

1. Remove the existing Tri–Light/Lane Light assembly, if necessary. For more information, refer to Removing the Tri-Light/Lane Light (R6) on page 6.
2. Tie the Tri-Light/Lane Light Assembly to the Tri-Light/Lane Light pole using a cable tie, as shown in the image below.



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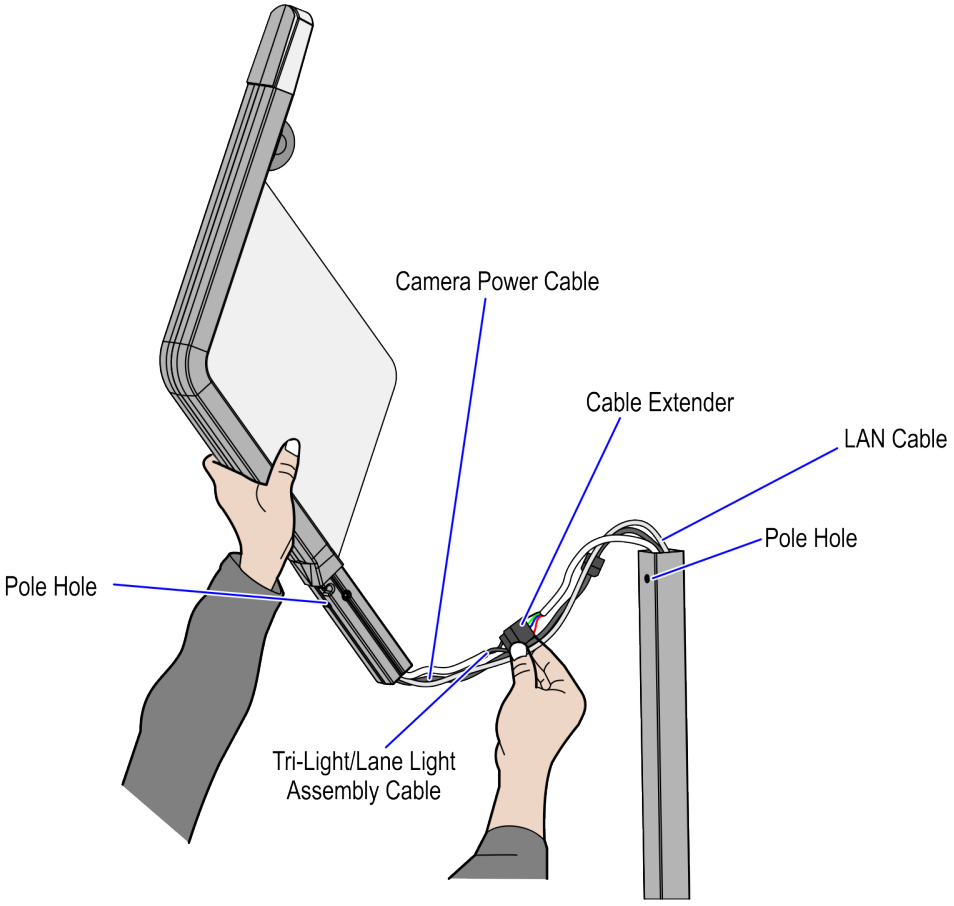
3. Connect the Tri–Light/Lane Light with Camera Assembly cables.



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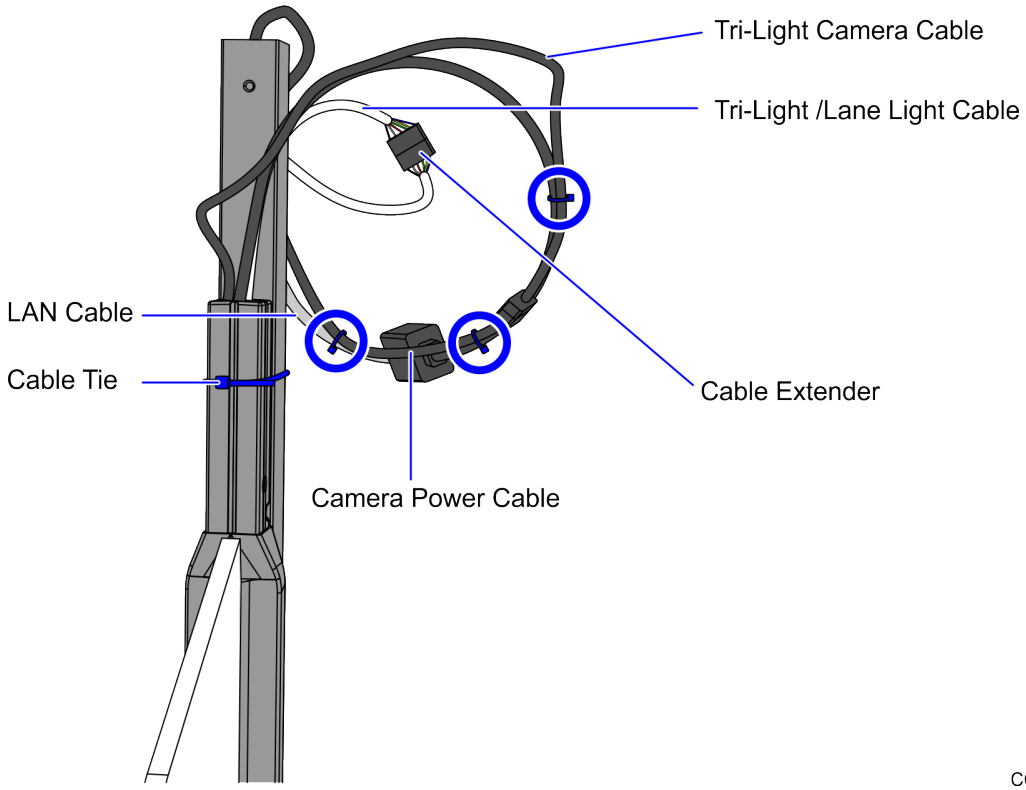
4. Install three (3) cable ties on each side of the power connector and on the Ethernet cable to provide strain relief as shown in the image below.



5. Orient the Tri-Light/Lane Light Assembly so that the Lane Light faces the front of the unit.

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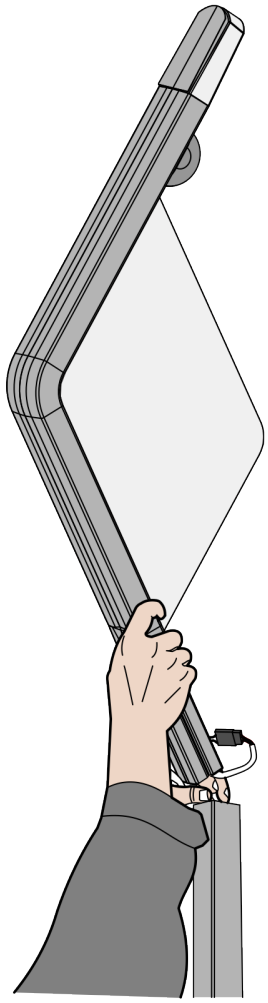
6. Insert the Tri–Light/Lane Light Assembly into the Tri–Light/Lane Light pole. Ensure that the pole holes are aligned.

> **Tip**
> To easily insert the cables with connectors through the pole, insert first the LAN cable followed by the Power cable, and then the Tri–Light/Lane Light Assembly cable. Once the extenders are through the pole, slowly push the Tri–Light/Lane Light Assemby into pole.



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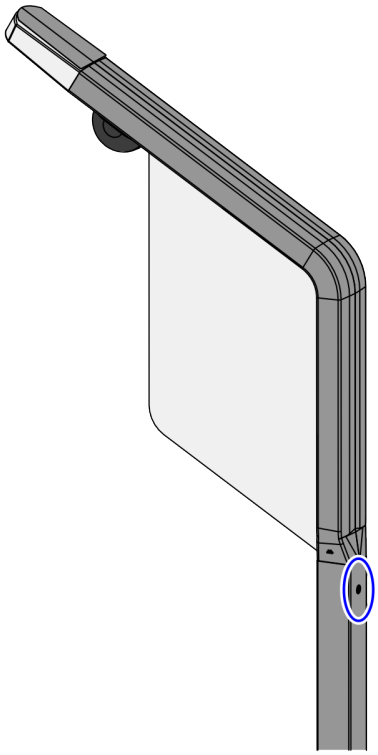
7. Route and connect the Tri-Light/Lane Light and Power cables to the corresponding I/O Box port destinations:

Tri–Light	Destination Connection (Location)
Tri-Light/Lane Light cable extender	I/O Box (Tri–Light/Lane Light port)
Ethernet (LAN) cable extender	Ethernet (LAN)
I/O Box (Power) cable extender	I/O Box (Input Belt)

8. Secure the Tri–Light/Lane Light assembly to the pole with a screw.



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9. Run the ADD utility to ensure device is updated with the latest firmware.

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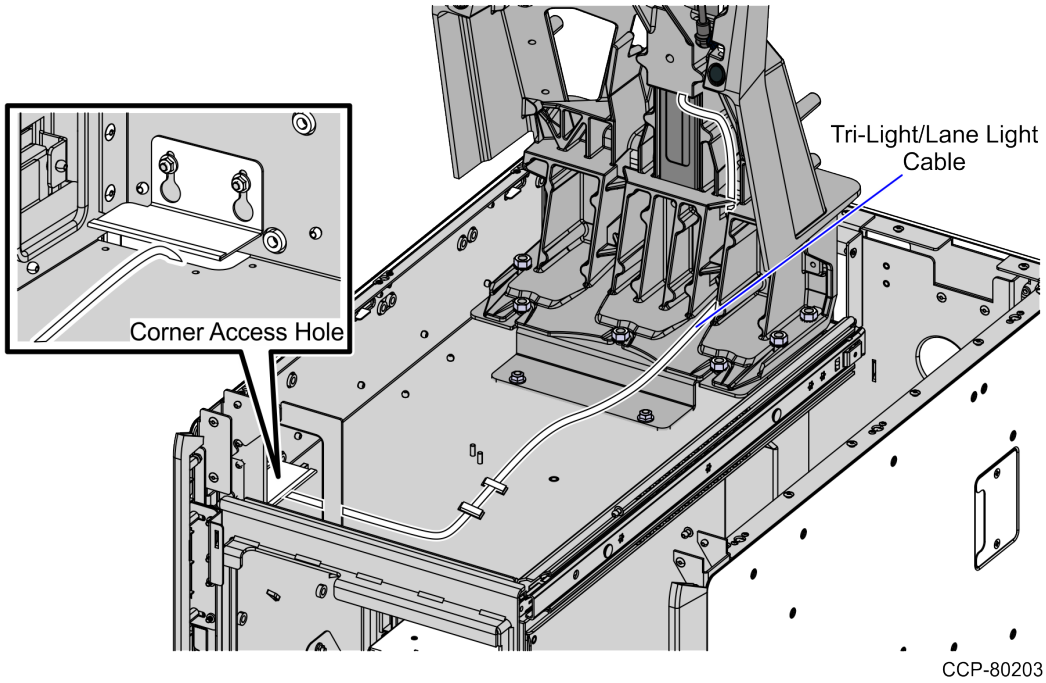
Routing the Tri-Light/Lane Light Cable on a Fixed unit

To route the Terminal Display cables, follow these steps:

1. Do the following:
    a. From the Tower Frame pole duct, route the Tri-Light/Lane Light cable down through the built-in hooks inside the Tower Frame.
    b. Route the cable down the Scanner Bucket floor. Use cable ties to secure the cable on bridge lances.
    c. Secure the cable to the anchor using a cable tie.



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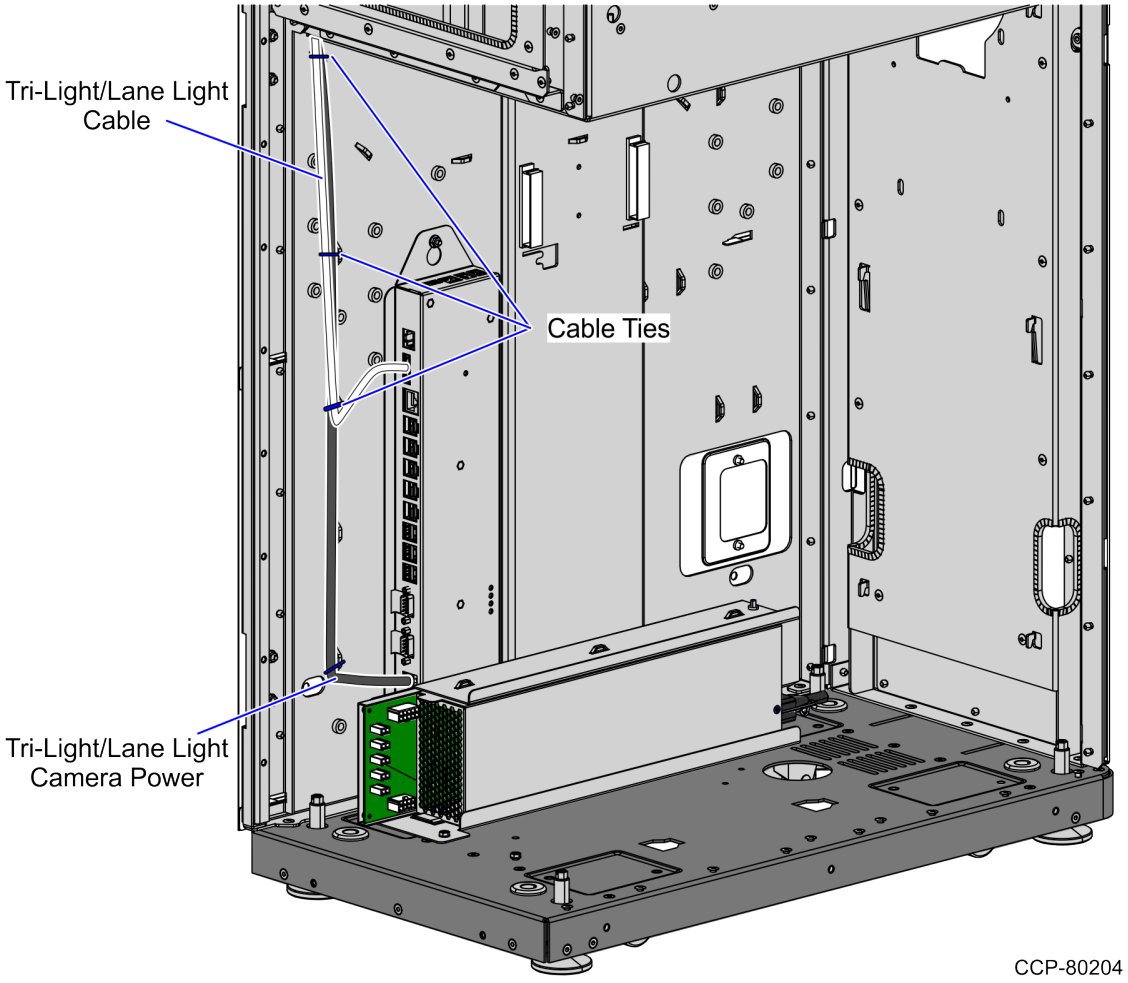
2. From the corner cable access hole, route the cable down the Core Cabinet wall and connect to the I/O Box (Tri-Light/Lane Light port). Use cable ties to secure the cable on bridge lances.

> **Note**
> For the Tri-Light/Lane Light with Camera Assembly, connect the Camera Power cable to the I/O Box (Input Belt port).



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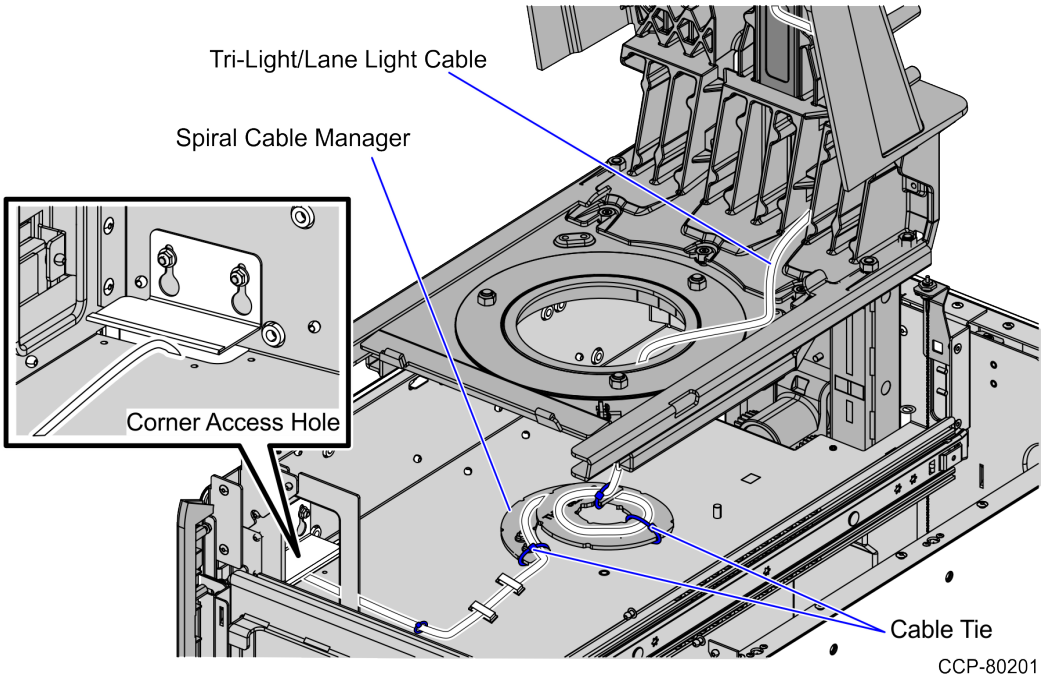
Routing the Tri-Light/Lane Light Cable on a Convertible unit

To route the Terminal Display cables, follow these steps:

1. Raise the Tower Frame assembly.
2. Do the following:
    a. From the Tower Frame pole duct, route the Tri-Light/Lane Light cable down through the built-in hooks inside the Tower Frame down the center of the Scanner bed.
    b. Route the cable down through the spiral cable manager the floor of the Scanner/Scale bucket.
    c. Secure the cable to the spiral cable manager at every notch using cable ties.
    d. Secure the cable to the anchor using a cable tie.



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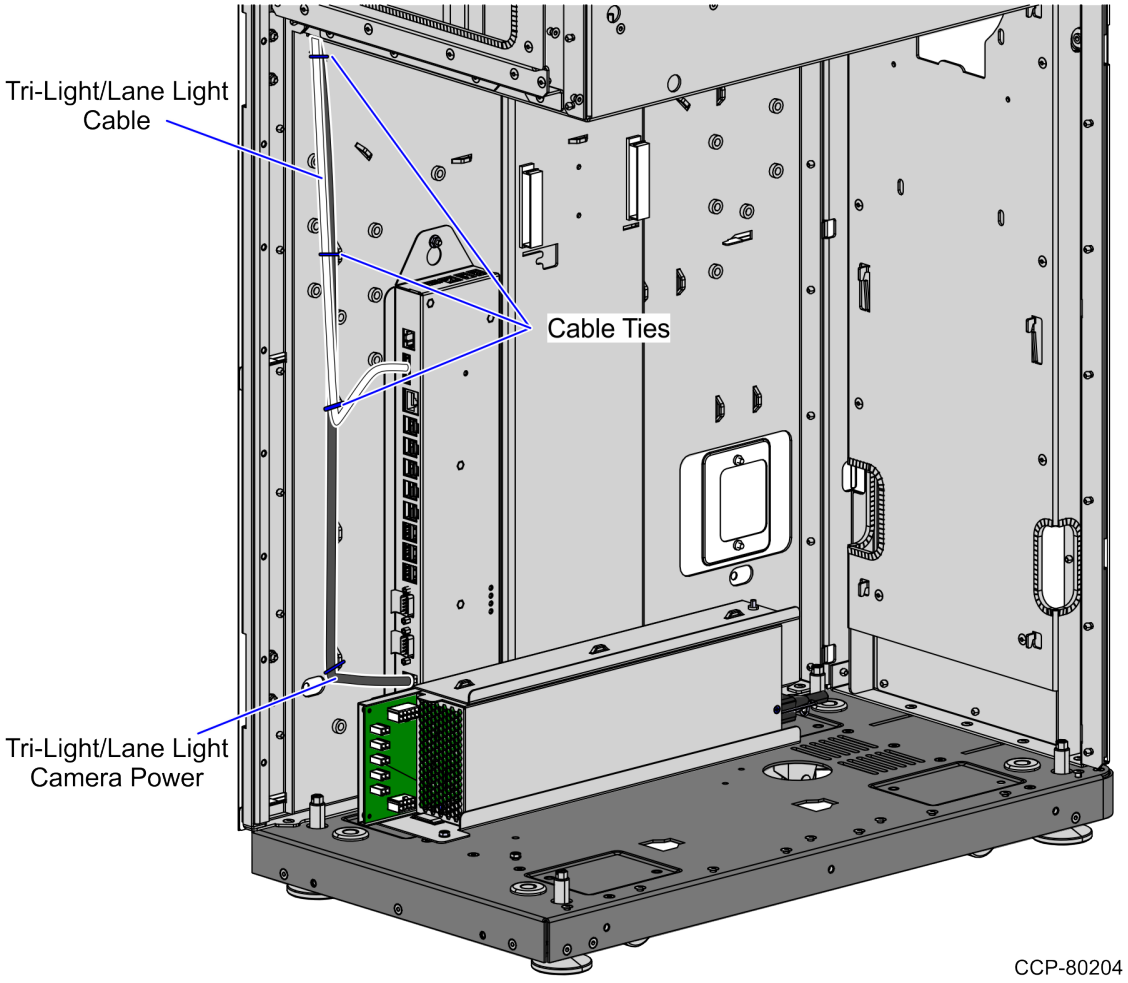
3. From the corner cable access hole, route the cable down the Core Cabinet wall and connect to the I/O Box (Tri-Light/Lane Light port). Use cable ties to secure the cable on bridge lances.

> **Note**
> For the Tri-Light/Lane Light with Camera Assembly, connect the Camera Power cable to the I/O Box (Input Belt port).



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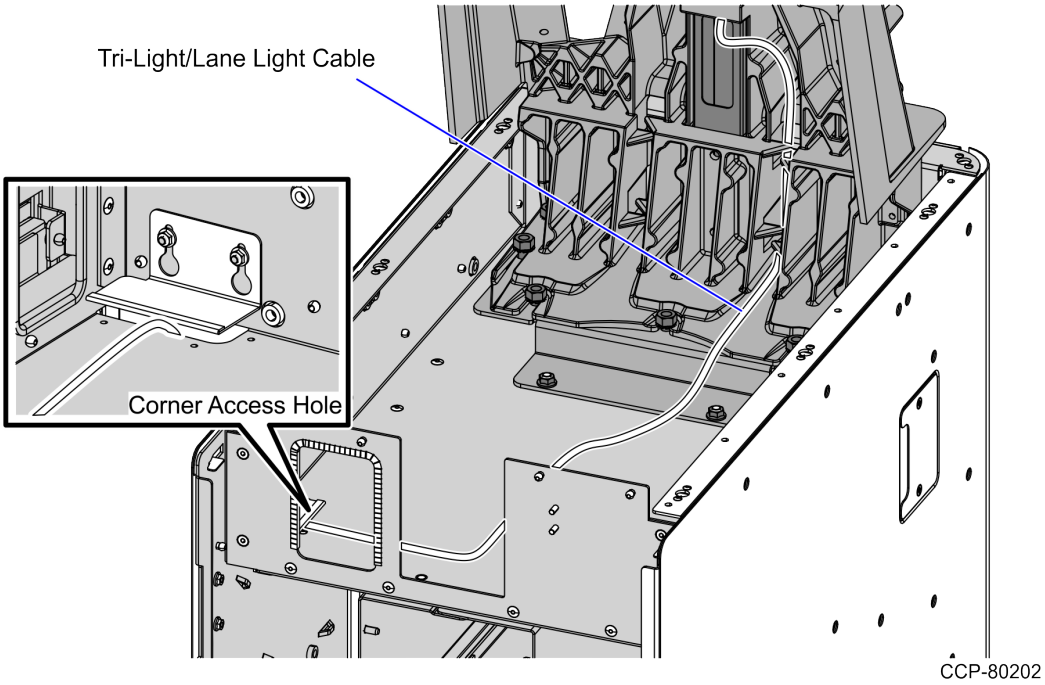
Routing Tri-Light/Lane Light Cable on a Card Only unit

To route the Tri-Light cables in a Card Only unit, follow these steps:

1. Do the following:
    a. From the pole duct, route the Tri-Light/Lane Light cable down through the built-in hooks inside the Tower Frame.
    b. Route the cable down the Scanner/Scale bucket floor. Use cable ties to secure the cable on bridge lances.
    c. Secure the cable to the anchor using a cable tie.



2. From the corner cable access hole, route the cable down the Core Cabinet wall.
3. Depending on the configuration, connect the Tri-Light cable to the Tri-Light/Lane Light port. Use cable ties to tie the cable on bridge lances.
    - KIO and 150 W PSU Configuration
    - I/O Box Configuration

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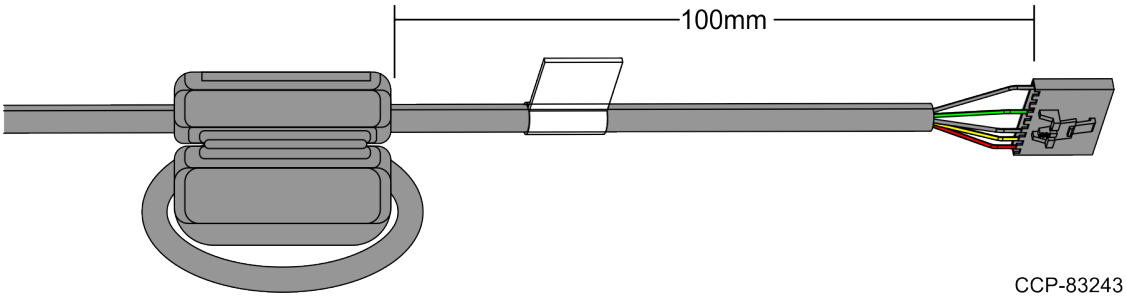
KIO Board and 150 W PSU Configuration

Note
Units with KIO Board and 150 W PSU Configuration use a Tri-Light cable with ferrite.

a. Measure at least 100 mm length from the Tri-Light connector and make one (1) cable loop around the ferrite core, and then clamp the cable with the ferrite.



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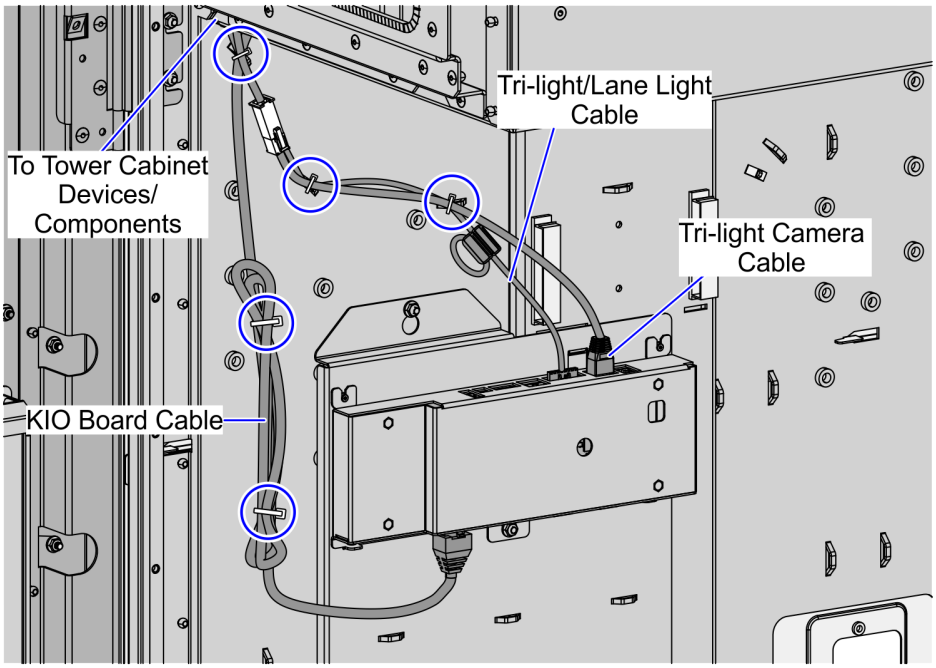
b. Connect the Tri-Light cable to its corresponding port in the KIO Board.

> **Note**
> For the Tri-Light/Lane Light with Camera Assembly, mate the Camera Power cable to the Tri-Light Camera 12 V Power Cable, and then connect the cable to the CAB/TAB Port of the KIO Board.



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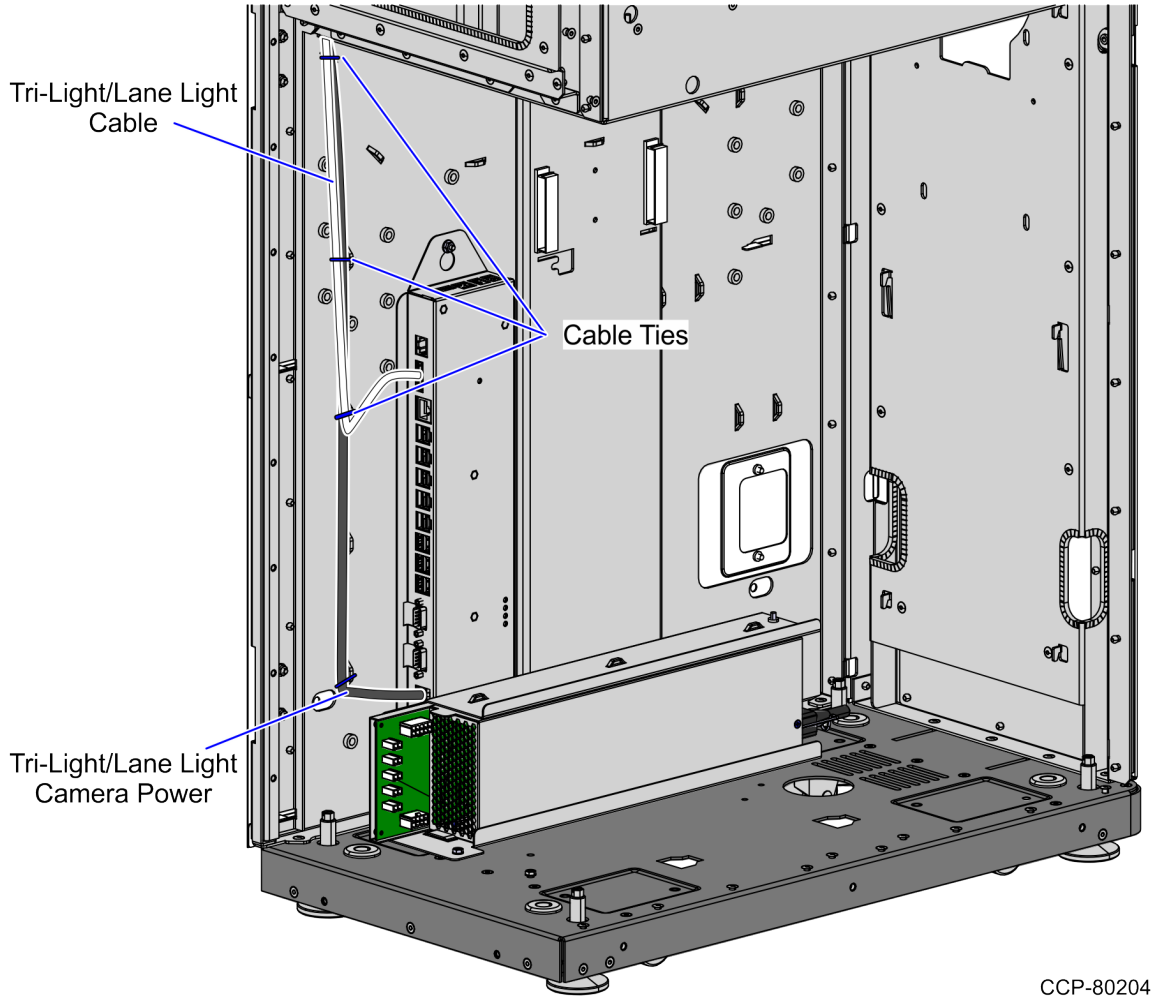
I/O Box Configuration

Note

For the Tri-Light/Lane Light with Camera Assembly, connect the Camera Power cable to the I/O Box (Input Belt port).



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Configuring the Camera Settings

Before configuring the camera settings, do the following:

A. Obtain the IP address settings of the removed camera. This will be used to set the IP address of the new Camera. For more information, contact an NCR Representative or the Retailer's Help Desk.

> **Note**
> For new camera installation, IP Addresses are pre-allocated by the Retailer's IT Team.

B. Install the Tri-Light/Lane Light with Camera Assembly, if necessary.

To configure the Camera Settings, refer to either of the following procedures:

- Configuring the Camera Settings using SADP Tool on the next page.
- Configuring the Camera Settings using Batch Configuration Tool on page 30.

> **Note**
> Configure the camera settings using Batch Configuration Tool if the IP address of the camera is static.

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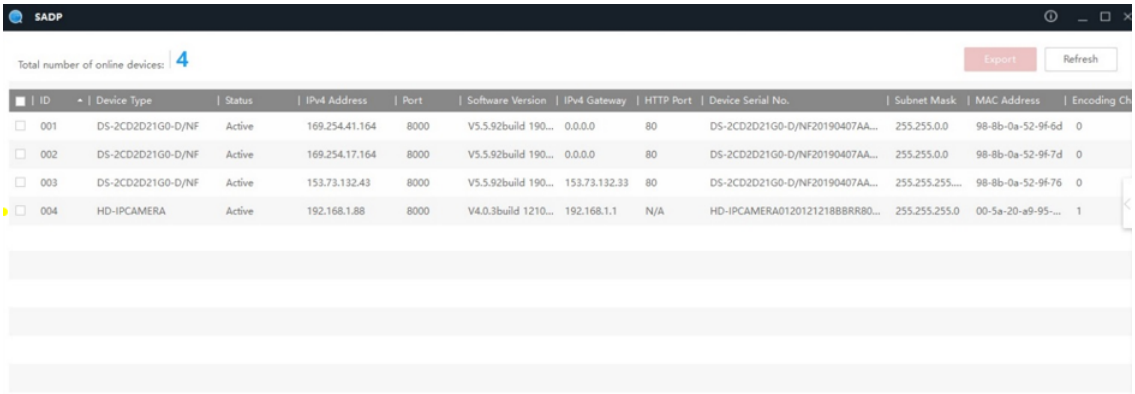
Configuring the Camera Settings using SADP Tool

To configure the camera settings using the Search Active Devices Protocol (SADP) tool, follow these steps:

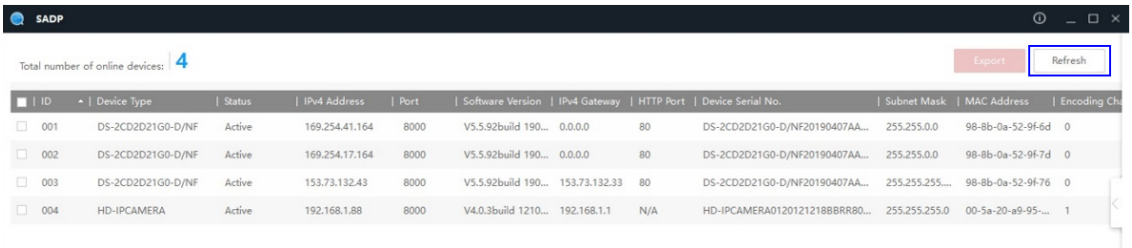
> **Note**
> Ensure that the Camera and the device (DVA, lane, computer or laptop) used for configuration are connected to the same network.

1. Install the HikVision Search Active Devices Protocol (SADP) tool, if necessary. For more information, refer to Installing SADP Tool on page 25.
2. Select the SADP tool icon from desktop to open the application.

The SADP interface appears and displays active devices with corresponding IP addresses, as shown in the image below.



3. Select **Refresh** to update the devices listed and their corresponding information.



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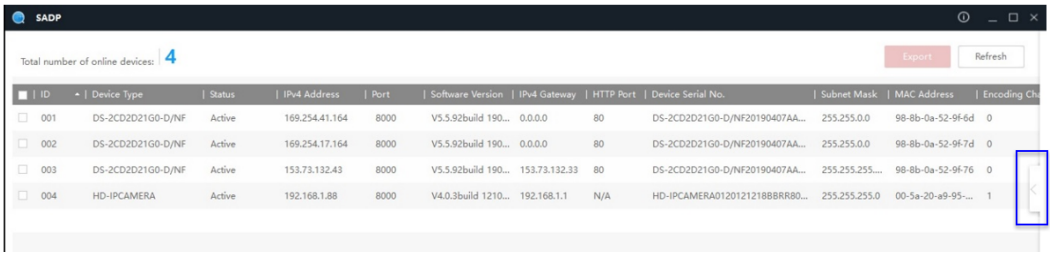
4. Modify the network parameters by the doing the following, if necessary:
    a. Select the camera to modify by checking the check box.
    b. Select the arrow on the right side of the interface.



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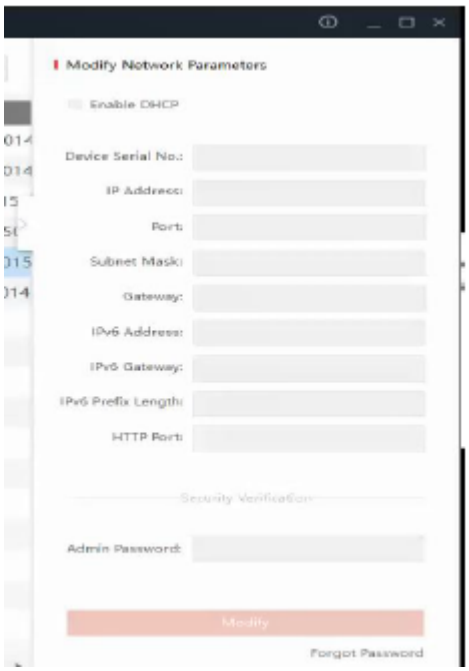
The side panel opens and displays settings of the selected camera.



c. Update the IP Address of the camera.
d. Select **Modify** to save the changes.

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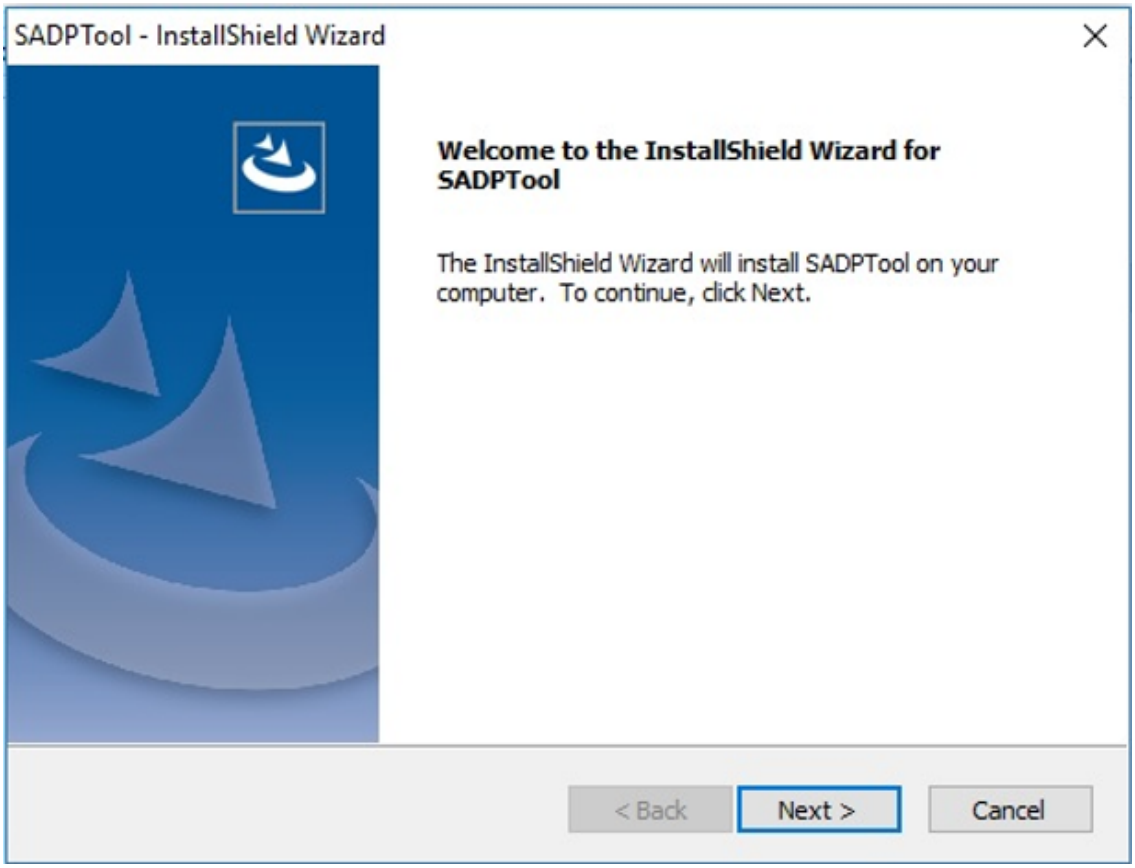
Installing SADP Tool

The Search Active Devices Protocol (SADP) is an online device search tool that allows users to search and to modify network information of online devices. For more information about SADP Tool, refer to **HikVision Tools Download**.

> **Note**
> Ensure that the camera and the device (DVA, lane, computer or laptop) used for configuration are connected to the same network.

To install the HikVision SADP Tool, follow these steps:

1. Unzip the installation package to the DVA or lane.
2. Open the directory where the executable file is located.
3. Run the `SADPTool.exe` file. The SADP Tool setup window appears.



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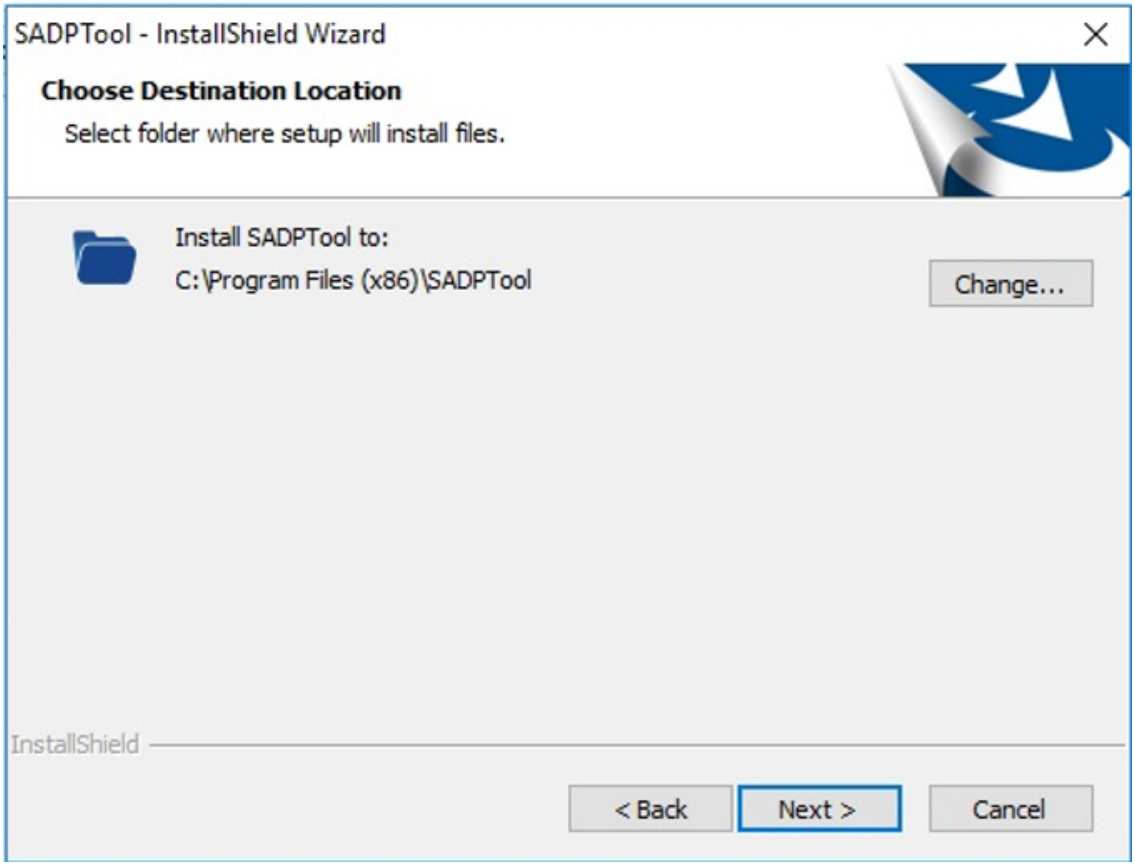
4. Select **Next**. The installation window shows the default destination folder.



5. Select **Change** to enter a different destination from the default destination folder, if necessary.

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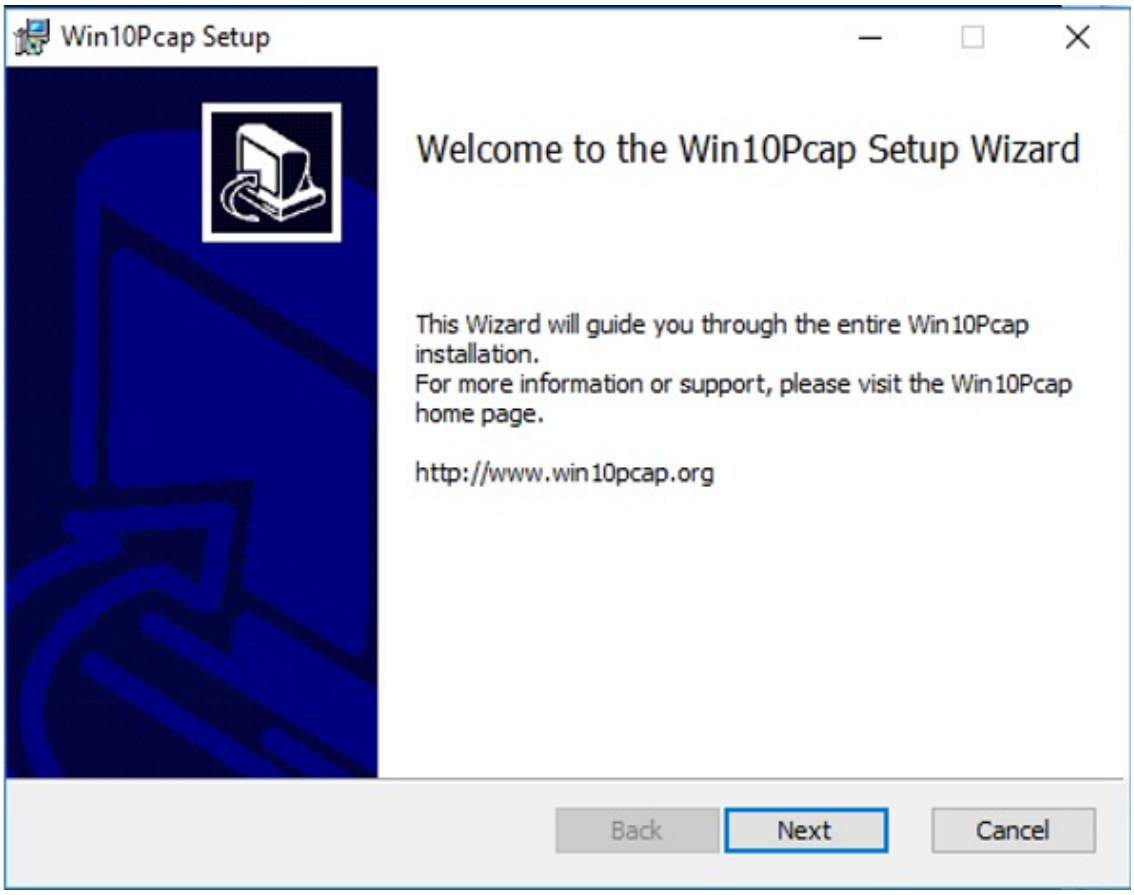
6. Select **Next** throughout the process to choose all default settings until the window notifies that installation is complete. A setup window for Win10Pcap appears once SADP installation is completed.



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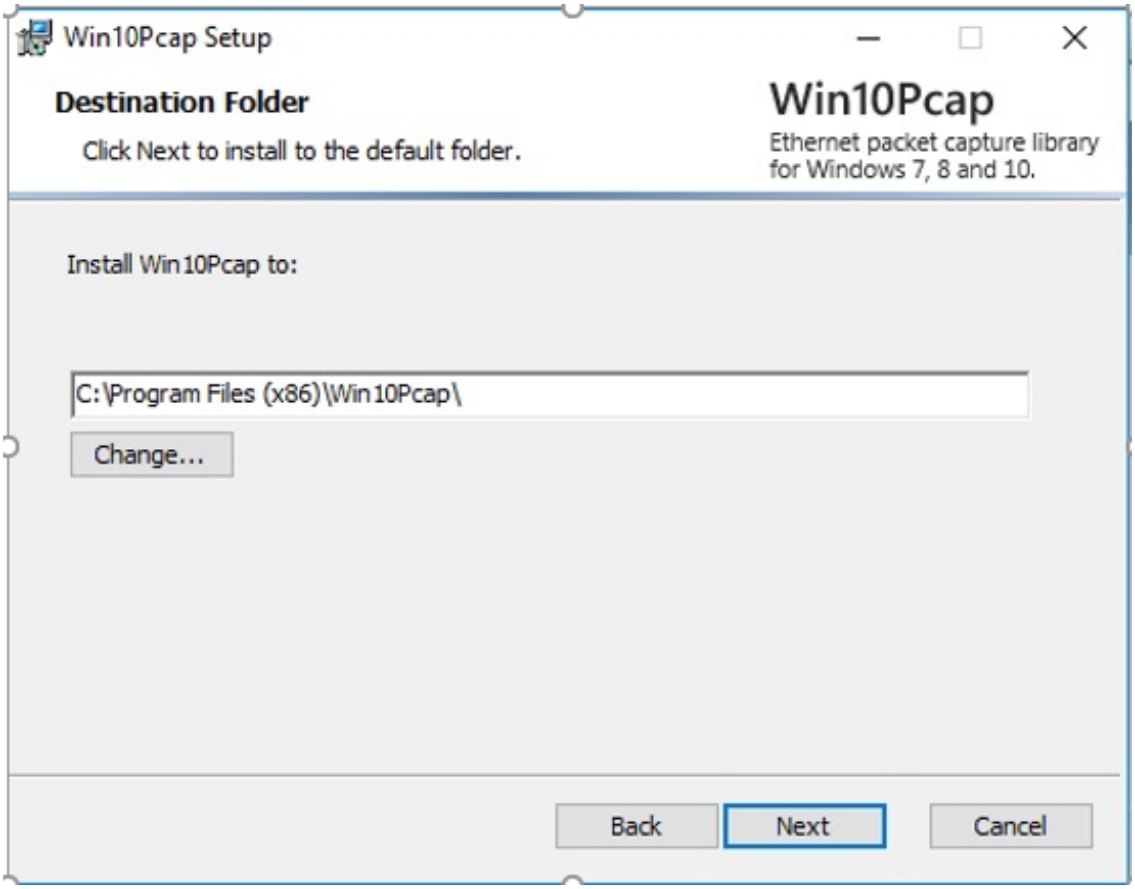
7. Select **Next**. The installation window shows the default destination folder.



8. Select **Change** to enter a different destination from the default destination location, if necessary.

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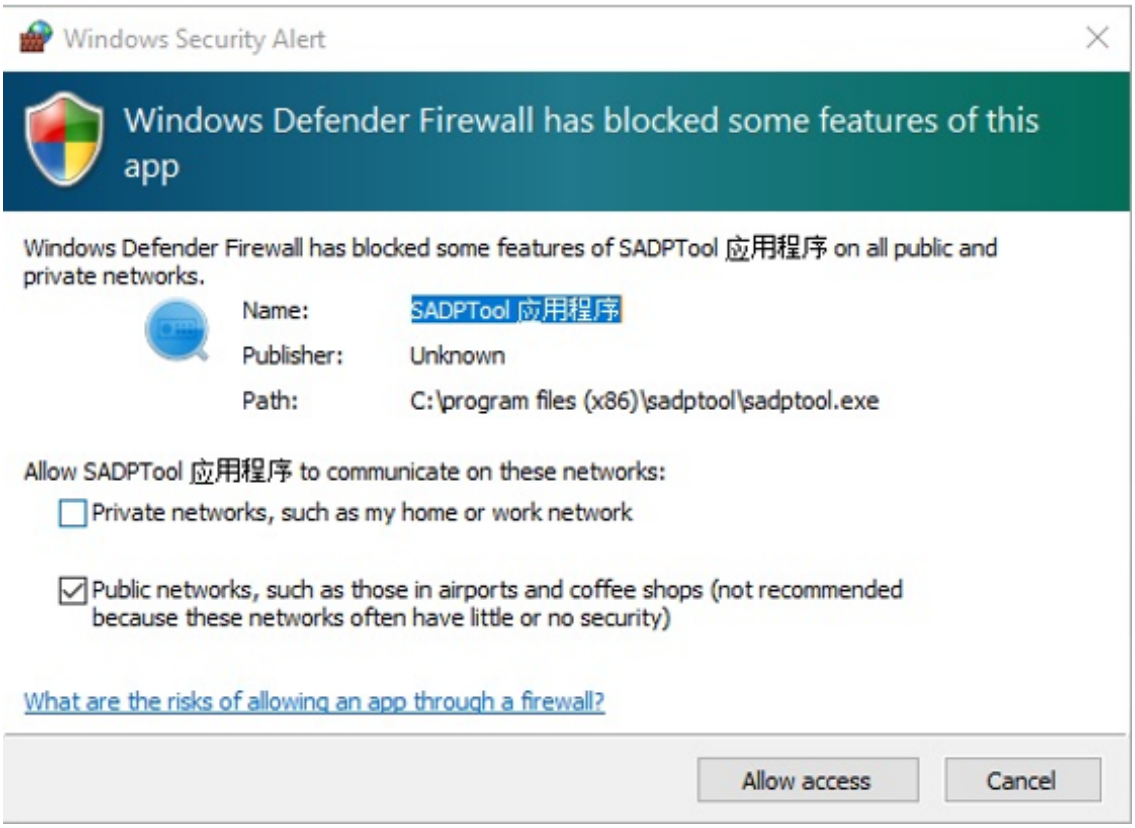
9. Select **Next** to continue. The Windows Security Alert appears.



10. Select **Next** to proceed with the installation. The SADP Tool icon appears on the desktop once installation is completed.

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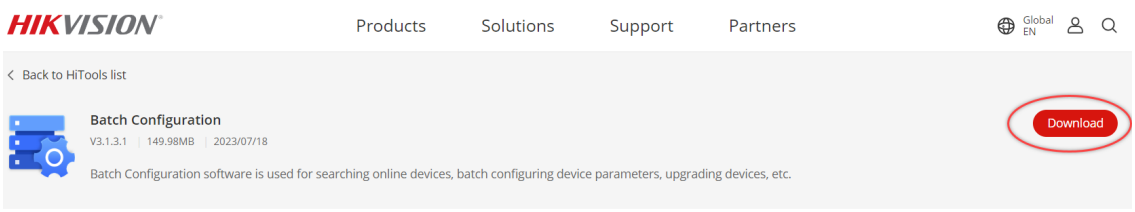
Configuring the Camera Settings using Batch Configuration Tool

To configure the camera settings using the Batch Configuration tool, follow these steps:

> **Note**
> Configure the camera settings using Batch Configuration Tool if the IP address of the camera is static.

> **Note**
> Ensure that the camera and the device (DVA, lane, computer or laptop) used for configuration are connected to the same network.

1. Download the HikVision Batch Configuration Tool from the Hikvision website.



2. Install the Batch Configuration Tool. For more information, refer to Installing Batch Configuration Tool on page 32.
3. Open the Batch Configuration Tool application.

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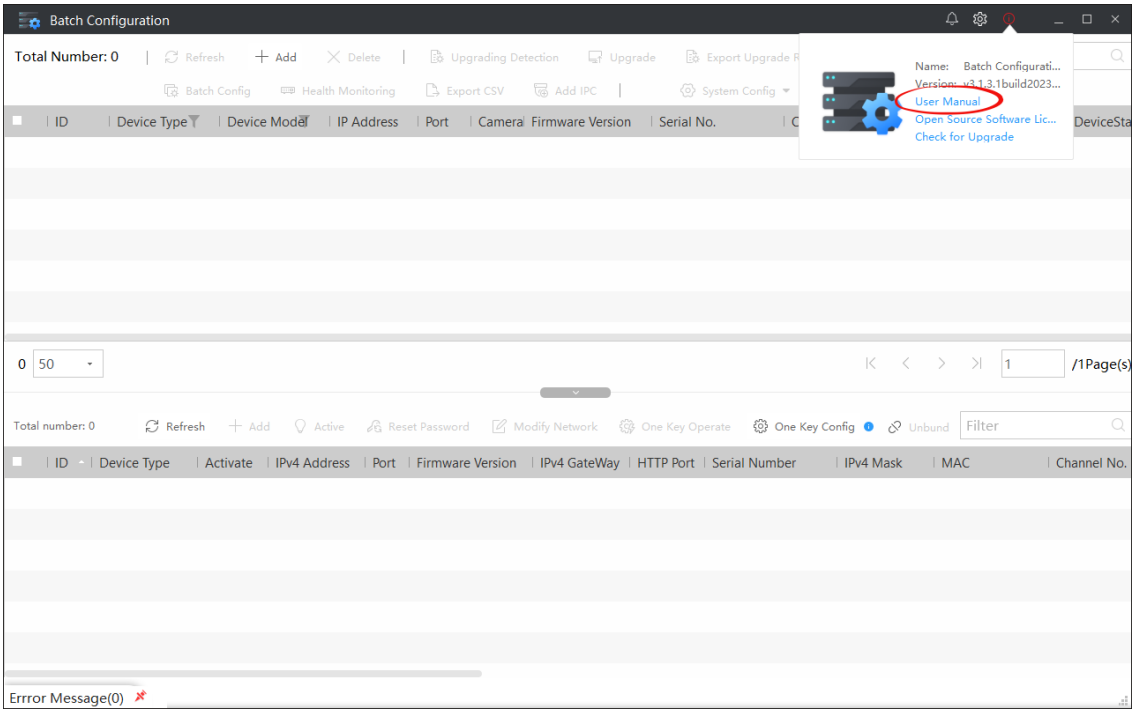
4. Download the User Manual to access procedures specific to the parameter that needs to be configured.



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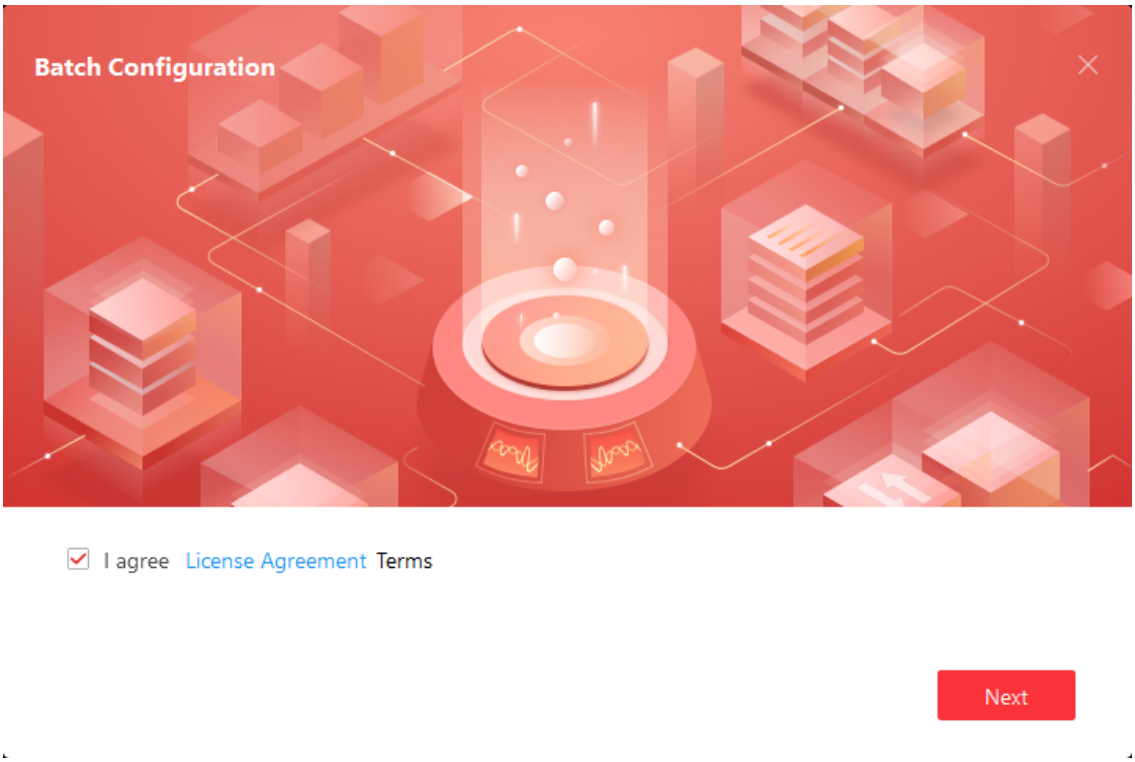
Installing Batch Configuration Tool

The Batch Configuration software is a tool that allows users to search and modify online devices, upgrade devices, and configure device parameters in a batch.

> **Note**
> Ensure that the camera and the device (DVA, lane, computer or laptop) used for configuration are connected to the same network.

To install the Batch Configuration Tool, follow these steps:

1. Unzip the installation package to the DVA or lane.
2. Open the directory where the executable file is located.
3. Run the `Batch Configuration.exe` file. The setup window appears.



4. Do the following:
    a. Select the License Agreement check box and select **Next**.
    b. Select the Language option and select **Next**. and The installation

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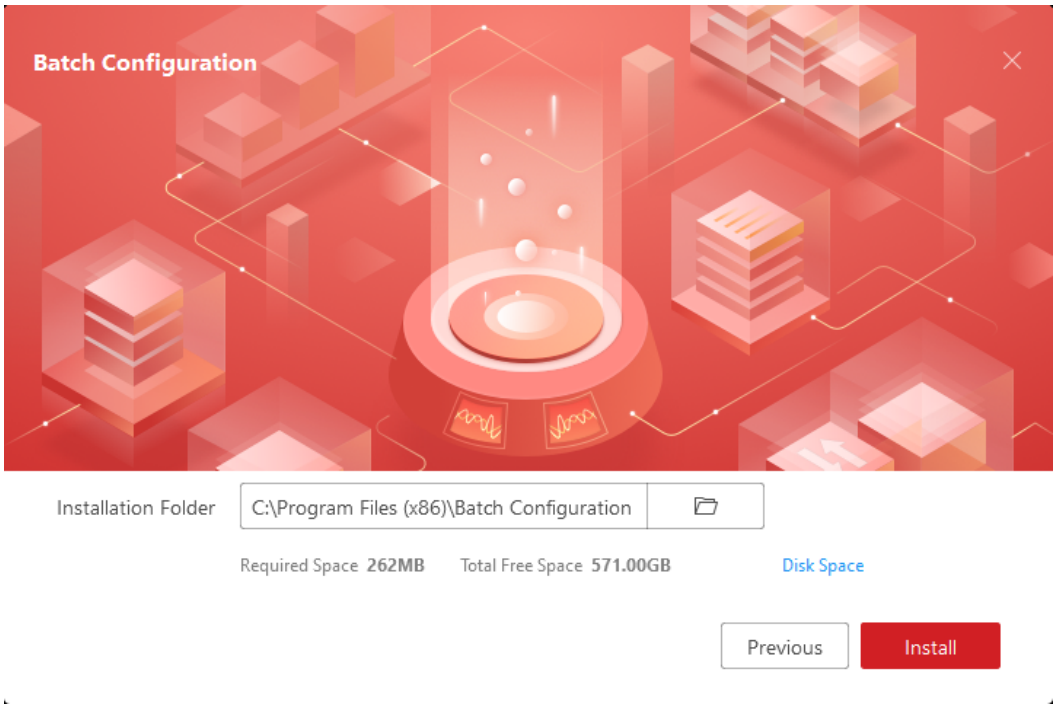
window shows the default destination folder.



5. Select **Change** to enter a different destination from the default destination folder, if necessary.

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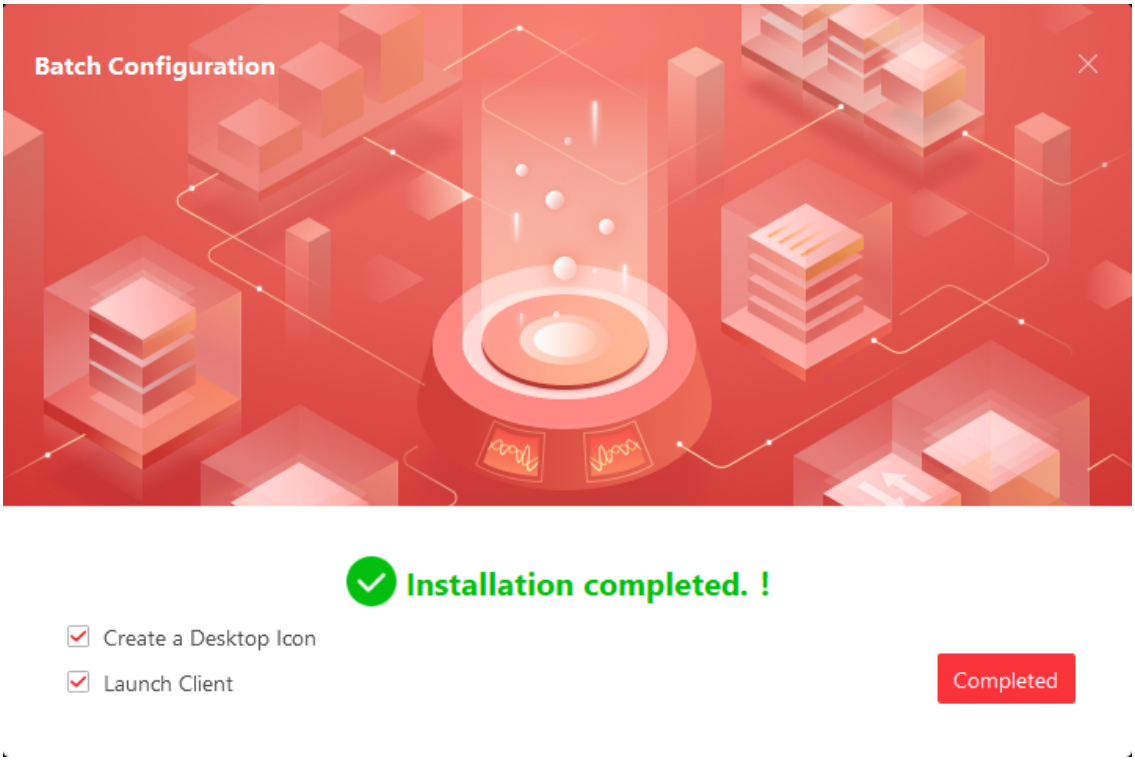
6. Select **Next** to proceed with the installation. The Batch Configuration icon appears on the desktop once installation is completed.



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