

Kit Instructions

Tri-Light/Lane Light with Camera Assembly and
Lane Light Label



7360-K068
Issue C



The product described in this document is a licensed product of NCR Corporation.

NCR is a registered trademark of NCR Corporation. NCR FastLane SelfServ™ Checkout is a trademark of NCR Corporation in the United States and/or other countries. Other product names mentioned in this publication may be trademarks or registered trademarks of their respective companies and are hereby acknowledged.

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Where creation of derivative works, modifications or copies of this NCR copyrighted documentation is permitted under the terms and conditions of an agreement you have with NCR, NCR's copyright notice must be included.

It is the policy of NCR Corporation (NCR) to improve products as new technology, components, software, and firmware become available. NCR, therefore, reserves the right to change specifications without prior notice.

All features, functions, and operations described herein may not be marketed by NCR in all parts of the world. In some instances, photographs are of equipment prototypes. Software screen images are representative, and in some cases, may not match a customer's installed software exactly. Therefore, before using this document, consult with your NCR representative or NCR office for information that is applicable and current.

Copyright © 2021
By NCR Corporation
864 Spring St. NW
Atlanta, GA 30308
United States
All Rights Reserved

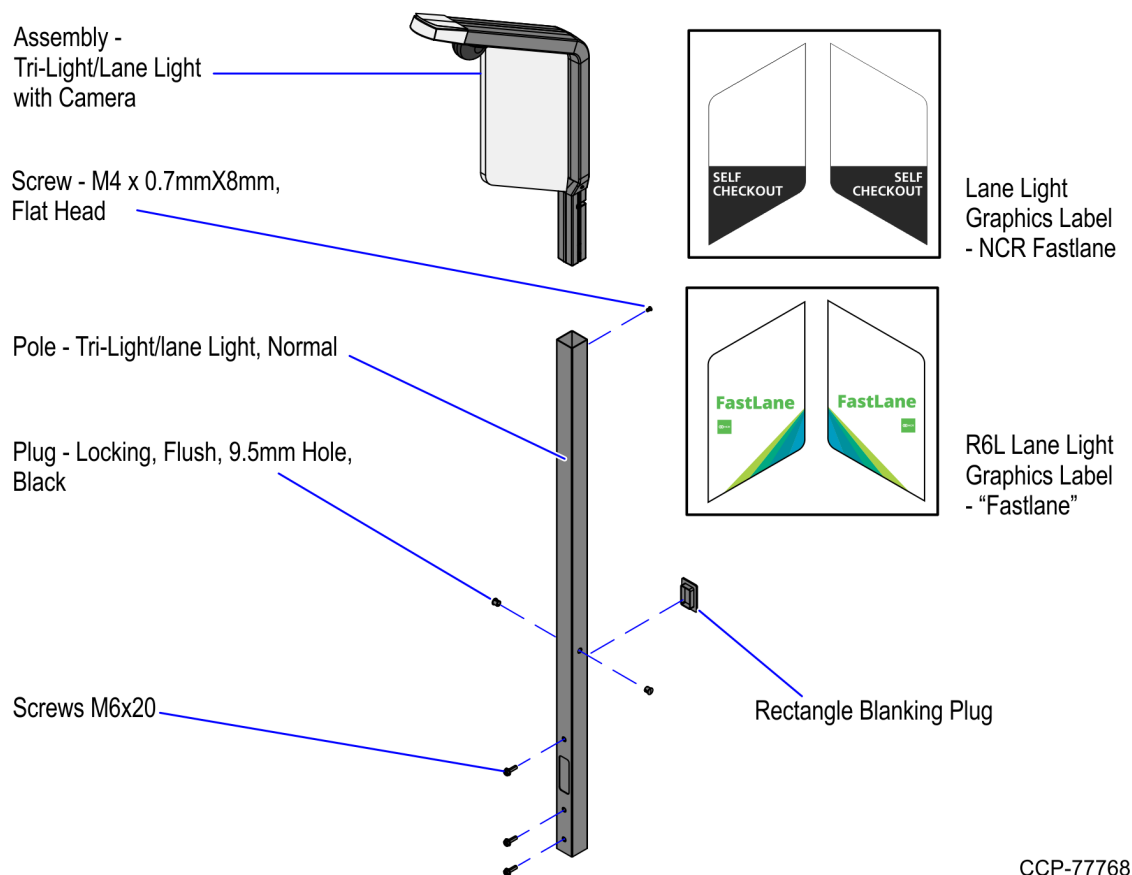
Revision Record

| Issue | Date | Remarks |
|-------|----------|--|
| A | Nov 2019 | First Issue |
| B | Jun 2020 | Updated Username from Admin to admin . |
| C | Dec 2021 | Added Routing Tri-Light/Lane Light Cable on page 22. |

7360-K068 Tri-Light/Lane Light with Camera Assembly and Lane Light Label

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

Kit Contents



CCP-77768

| Part Number | Description |
|-------------|--|
| 497-0526847 | Kit - Tri-light with IP Camera and Label - Preferred Offer |
| 497-0511356 | Pole - Tri-Light/Lane Light, Normal |
| 497-0511101 | Lane Light Graphics Label – NCR Fastlane |
| 006-8624305 | Rectangle Blanking Plug (42 mm x 23.8 mm) |

| Part Number | Description |
|---------------|---|
| 497-0524107 | Assembly - Tri-Light/Lane Light with Camera |
| 006-8624498 | Screw - M4 x 0.7 mm x 8 mm, flat head, stainless |
| 497-0521720 | R6L Lane Light Graphics Label - "Fastlane" |
| 006-8623599 | Plug - Locking, Flush, 9.5 mm hole, Black (2 pcs) |
| * 006-8614045 | Cable Tie - nylon, 11 3/8 in long (5 pcs) |
| 009-0006598 | Screws M6 x 20 (3 pcs) |
| * 497-0521019 | Corrugated Spacer SCO 6 Tri-Light |
| * 497-0423108 | Instructions Kit (Reference Sheet) |

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

Installation Procedure

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



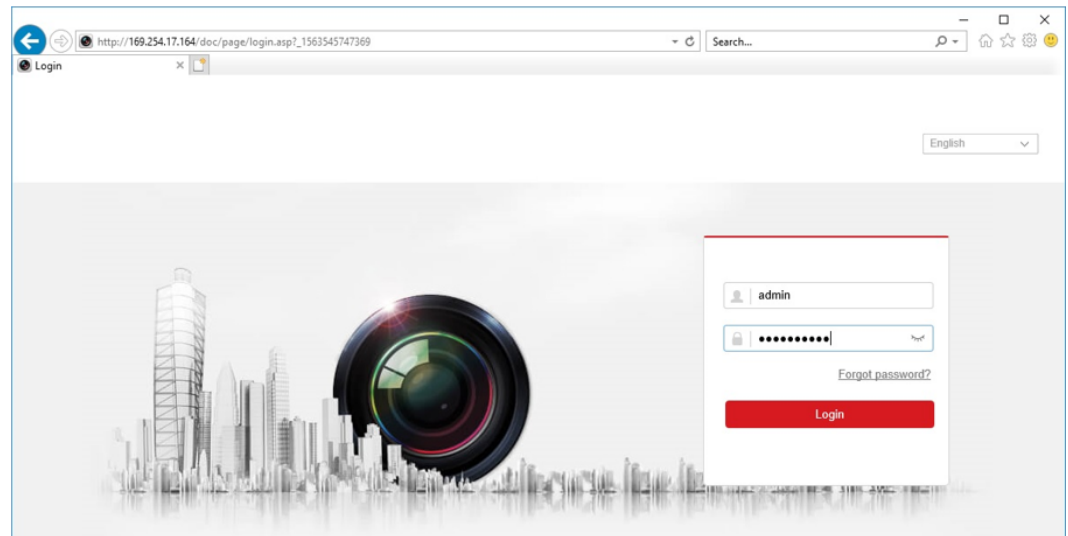
Note: Ensure that the NCR Customer Helpdesk is informed when the Tri-Light/Lane Light with Camera is installed in the store.

1. Do the following, if necessary:
 - Remove the existing Tri-Light/Lane Light Assembly. For more information, refer to [Removing the Tri-Light/Lane Light \(R6\)](#) on page 6.
 - Remove the existing Tri-Light/Lane Light Pole. For more information, refer to [Removing Tri-Light/Lane Light Pole](#) on page 8.
2. Install the Lane Light Label to the new Tri-Light/Lane Light assembly. For more information, refer to [Installing Lane Light Label](#) on page 10.
3. Install the Tri-Light/Lane Light Pole. For more information, refer to [Installing Tri-Light/Lane Light Pole](#) on page 13.
4. Install the new Tri-Light with Camera Assembly. For more information, refer to [Installing Tri-Light/Lane Light with Camera Assembly](#) on page 17.
5. Configure the Camera Settings refer to [Configuring Camera Settings](#) on page 24.



Note: For more information about setting up the camera, refer to [Hikvision Network Camera User Manual](#).

6. 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.

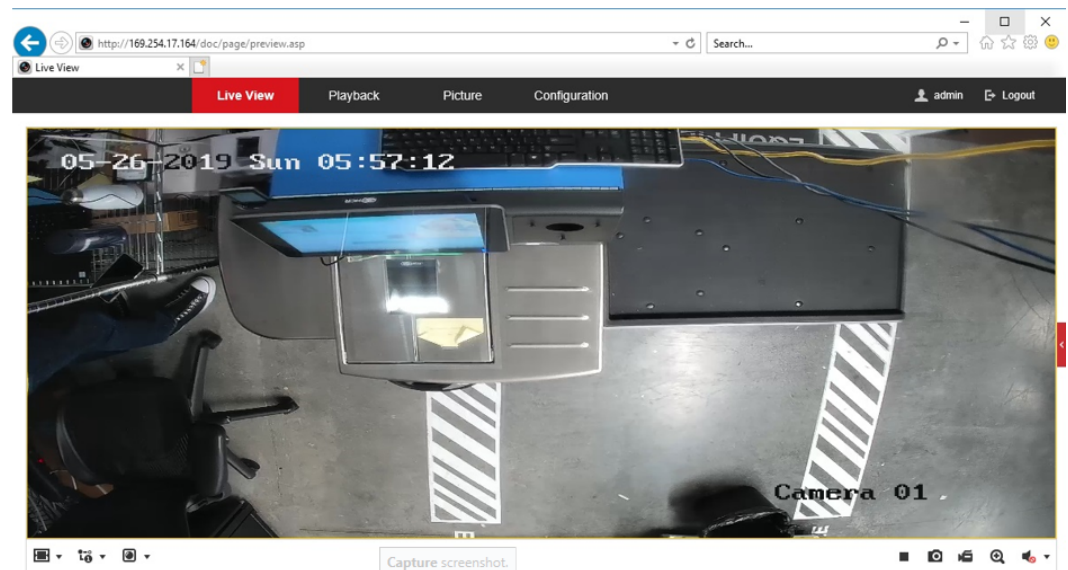


- c. Enter the following default login credentials:

Username: **admin**

Password: **HikVision1**

The browser opens a live feed of the camera, as shown in the image below.

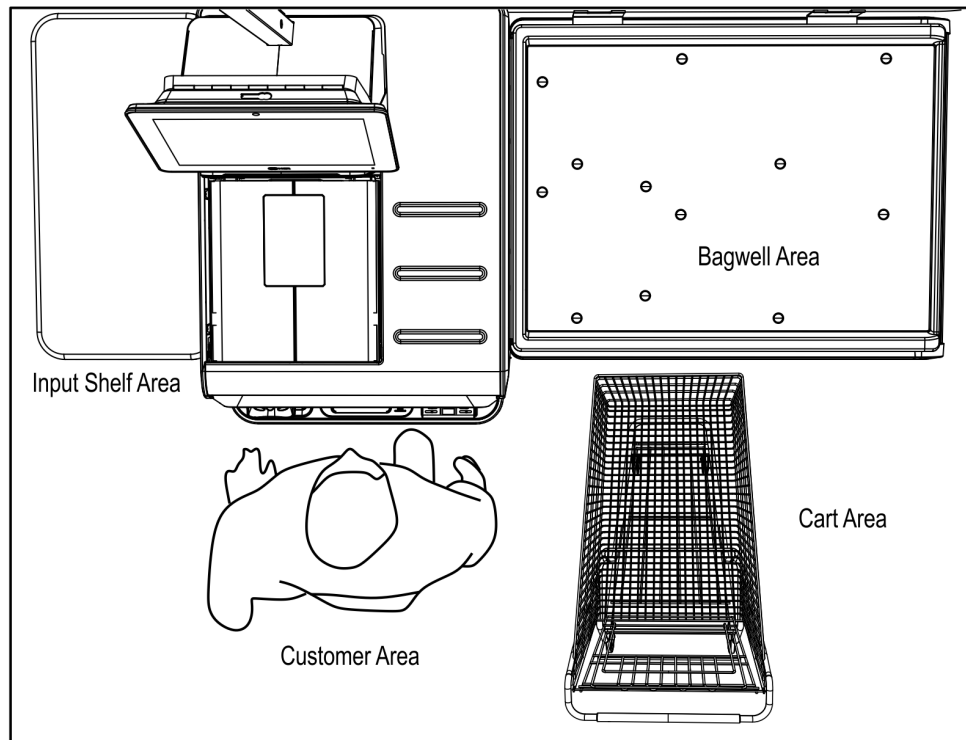


7. Adjust the view of the camera to ensure that the following conditions are met:

- 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](#).



CCP-76737

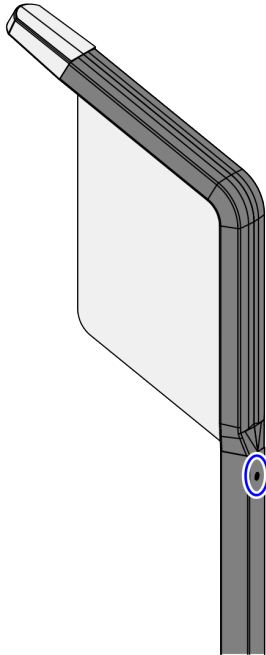


Note: Ensure that the NCR Customer Helpdesk is informed when the Tri-Light/Lane Light with Camera is installed in the store.

Removing the Tri-Light/Lane Light (R6)

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

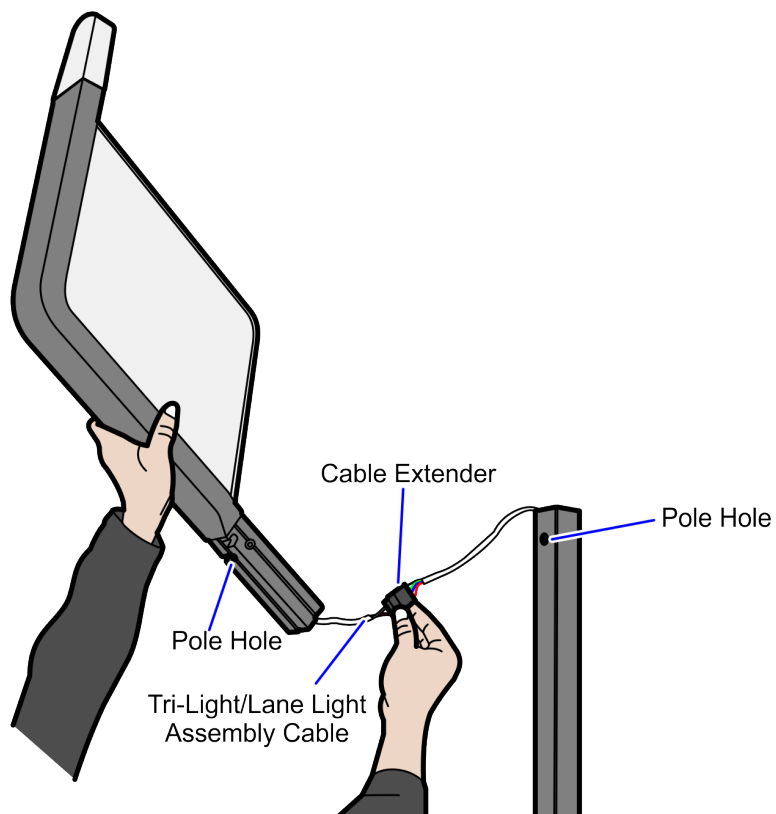
1. Turn off the NCR SelfServ Checkout software and hardware systems. For more information, refer to "General Operational Procedures" section of *NCR SelfServ™ Checkout (7360) Hardware Service Guide (B005-0000-2378)*.
2. Remove the screw securing the Tri-Light/Lane Light assembly to the Tri-Light/Lane Light pole.



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



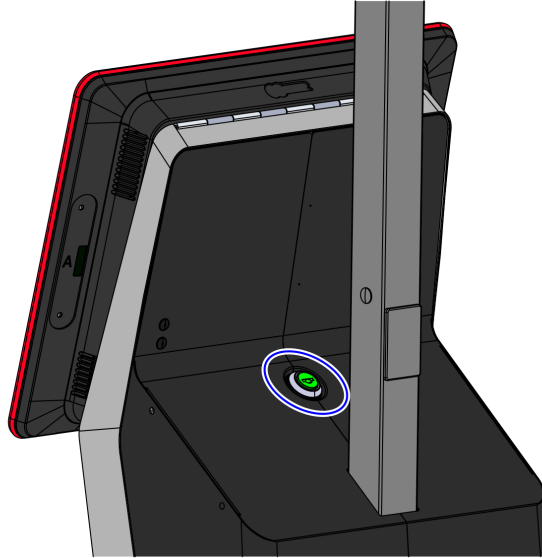
Tip: Mark all cables as to where they are connected to quickly determine the corresponding port when reconnecting the cables.



Removing Tri-Light/Lane Light Pole

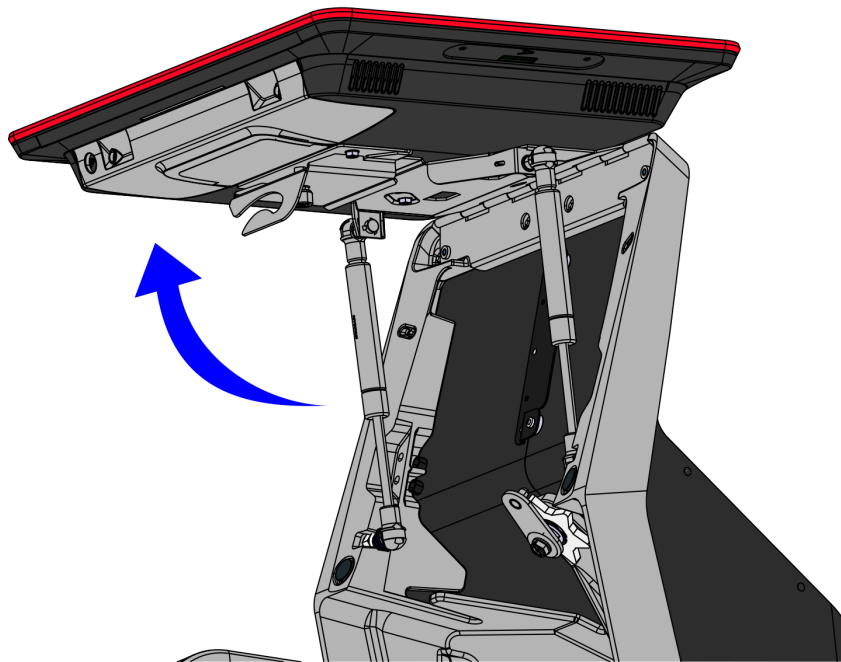
To remove the Tri-Light/Lane Light Pole, follow these steps:

1. Insert key in lock on the back of tower and then turn counterclockwise to unlock the terminal.



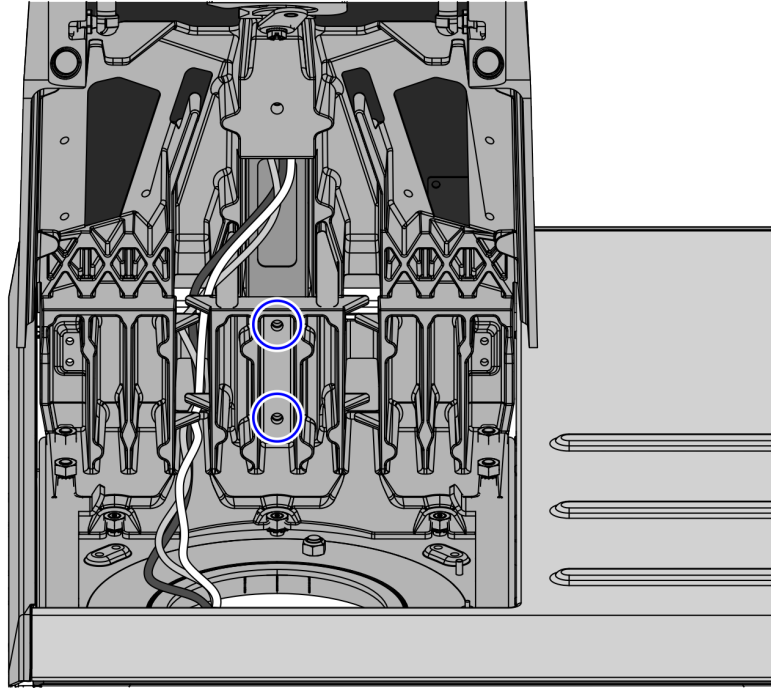
CCP-61622

2. Lift up the Terminal Display.



CCP-62073

3. Remove the Scanner/Scale to access the screws that secure the Tri-Light/Lane Light Pole.
4. Remove the two (2) screws securing the Tri-Light/Lane Light Pole to the Tower Frame duct.



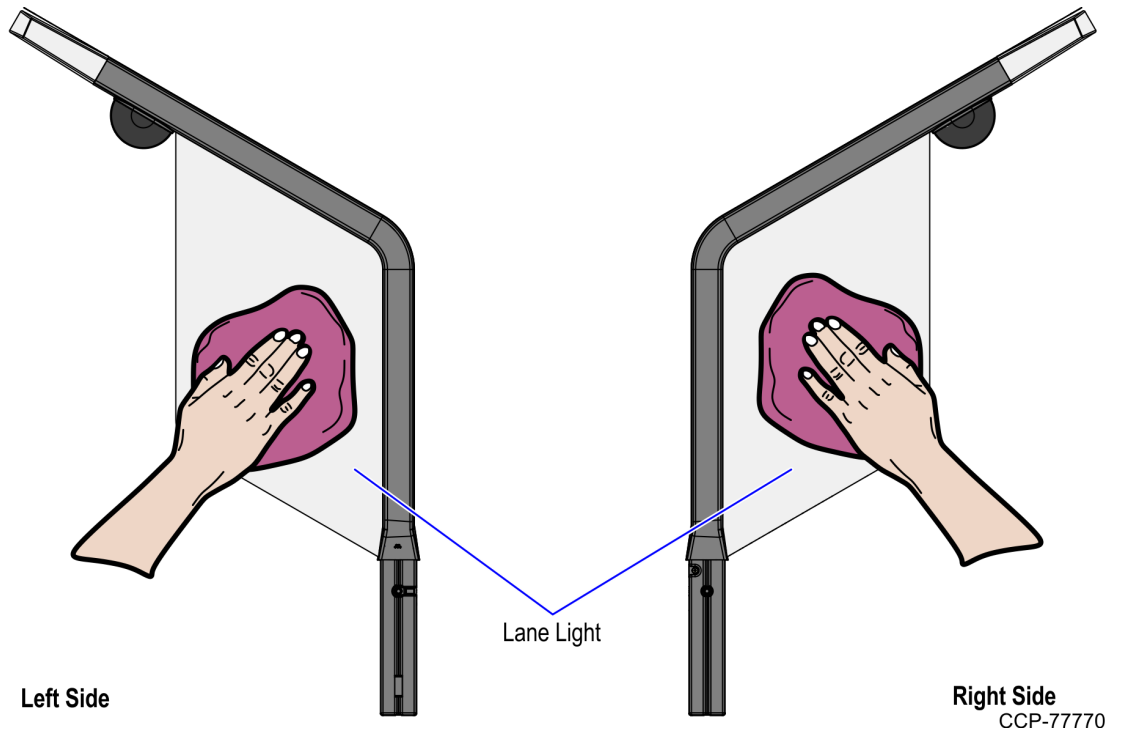
CCP-61150

5. Remove the cables out of the Tri-Light/Lane Light Pole.
6. Lift the Tri-Light/Lane Light Pole out of the tower.

Installing Lane Light Label

To install the label on each side of the Lane Light, follow these steps:

1. Remove the Tri-Light/Lane Light assembly, if necessary.
2. Wipe any dust or dirt on the surface of both sides of the Lane Light.



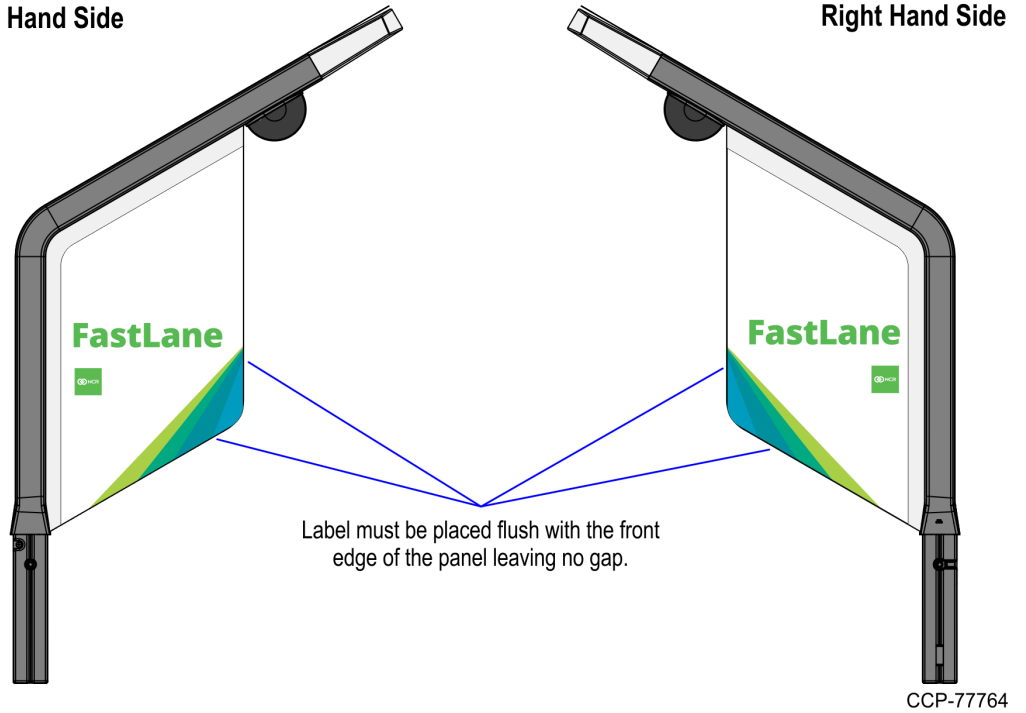
3. Set the Lane Light on a flat surface.

4. Depending on the type of Lane Light label, do either of the following:

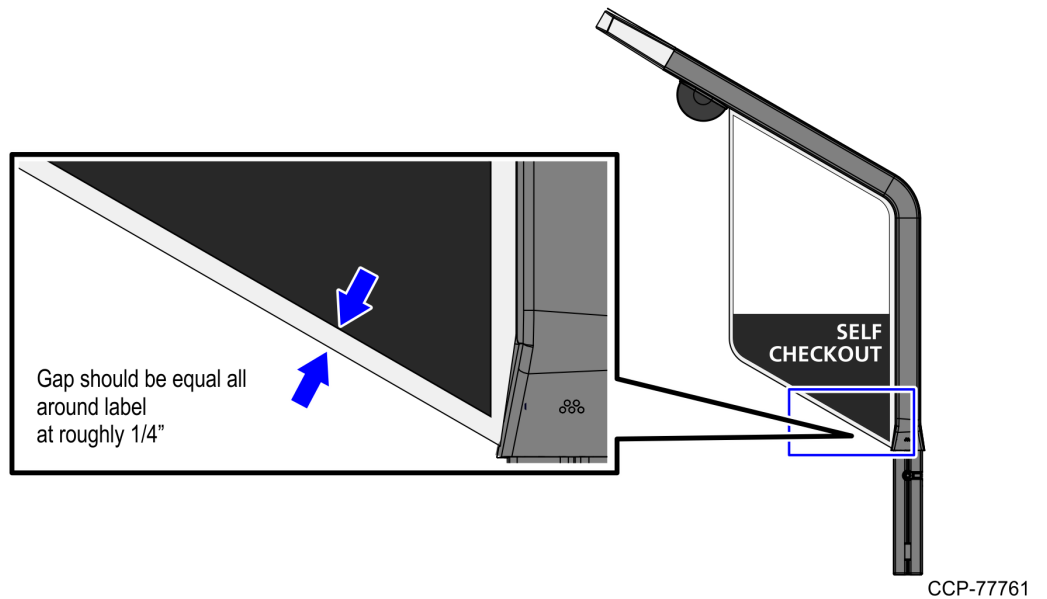
- Position the label on the Lane Light. Ensure that the label is flush with the front edge of the Lane Light, as shown in the image below.

Left Hand Side

Right Hand Side



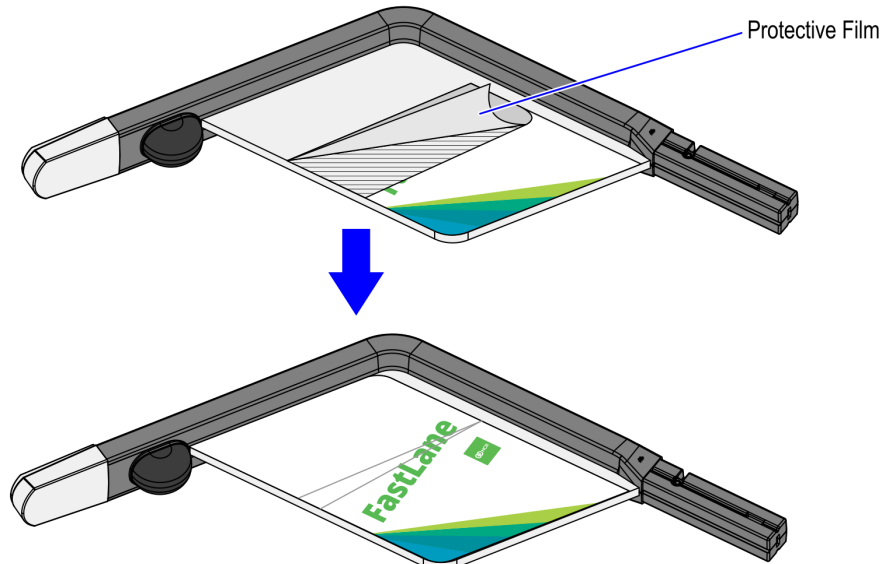
- Position the label on the Lane Light so that there is an equal space of $\frac{1}{4}$ in (6.35 mm) around the label.



5. Hold half of the label in place while peeling off the protective film from the other half of the label and then attach the label on the Lane Light, as shown in the image below.



Note: For the purpose of illustration only, the image below shows a Lane Light (FastLane) label.

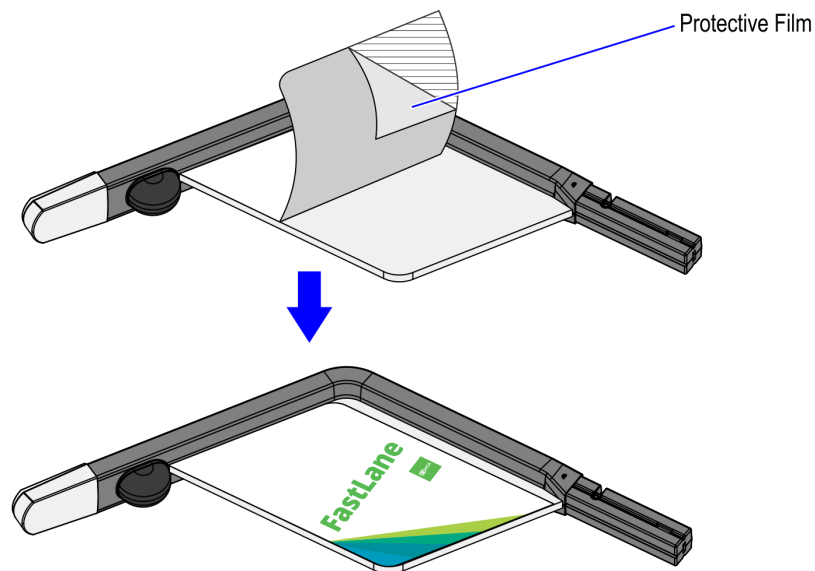


CCP-77765

6. Peel off the adhesive tape from the other half of the label and then attach the label to the Lane Light.



Note: For the purpose of illustration only, the image below shows a Lane Light (FastLane) label.



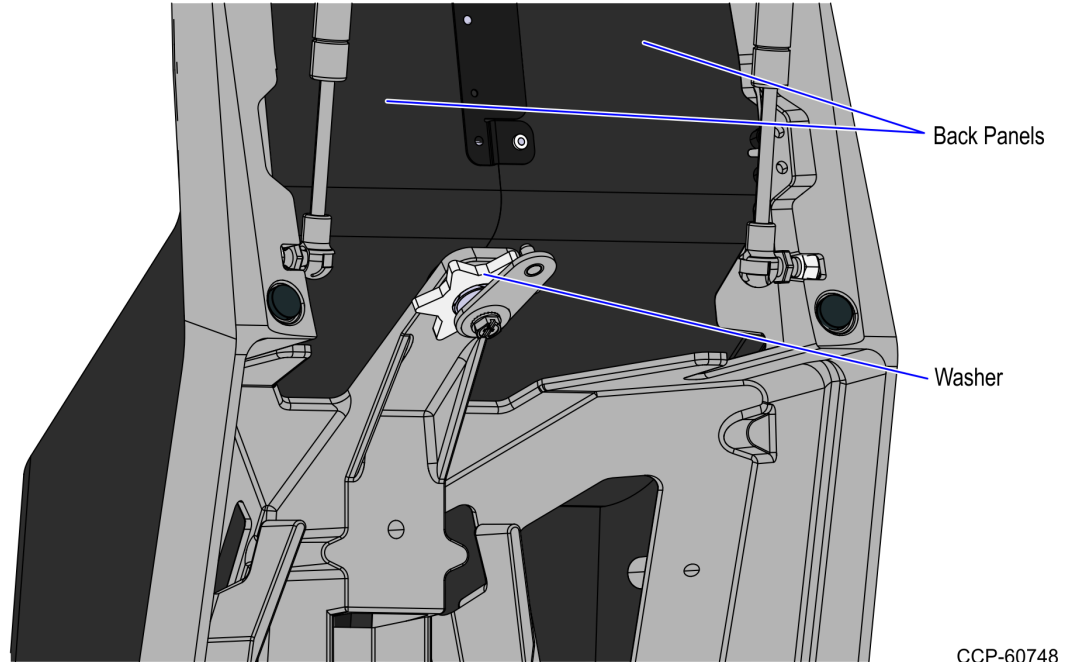
CCP-77766

7. Smooth out any air bubbles.

Installing Tri-Light/Lane Light Pole

To install the Tri-Light/Lane Light pole, follow these steps:

1. Remove the existing Tri-Light/Lane Light Pole, if necessary. For more information, refer to [Removing Tri-Light/Lane Light Pole](#) on page 8.
2. Loosen the star-shaped washer around the keylock assembly.



CCP-60748

3. Remove the two (2) back panels from the tower assembly.

4. Insert the Tri-Light/Lane Light cable through the opening in the side of Tri-Light/Lane Light pole and route it out the top of the pole.

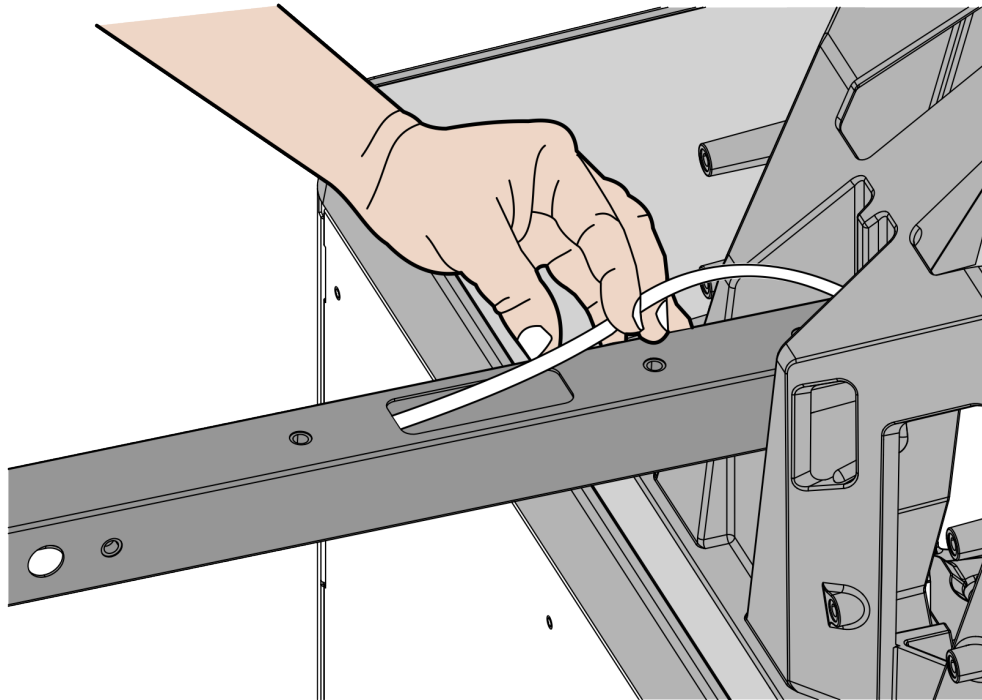


Note: For the Tri-Light/Lane Light assembly without a camera, only the Tri-Light/Lane Light cable extender exist in the assembly.

| 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) |



Tip: To make routing the cable extender through the pole easier, first attach a weight (for example, a large bolt) to a long piece of string and drop the weighted end of the string through the Tri-Light/Lane Light pole. Once the string is threaded through the pole, tie the non-weighted end of the string around the cable connector and then pull the cable extender through the pole.

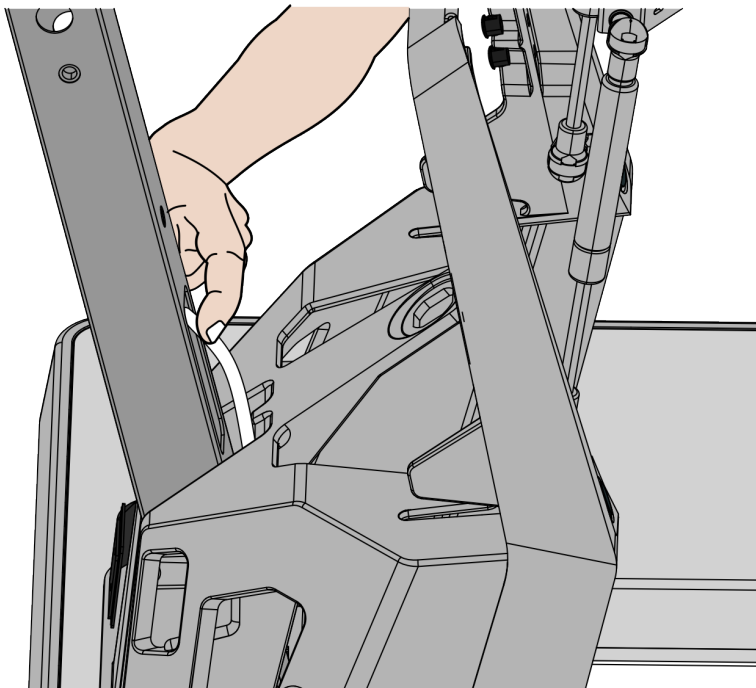


CCP-60749



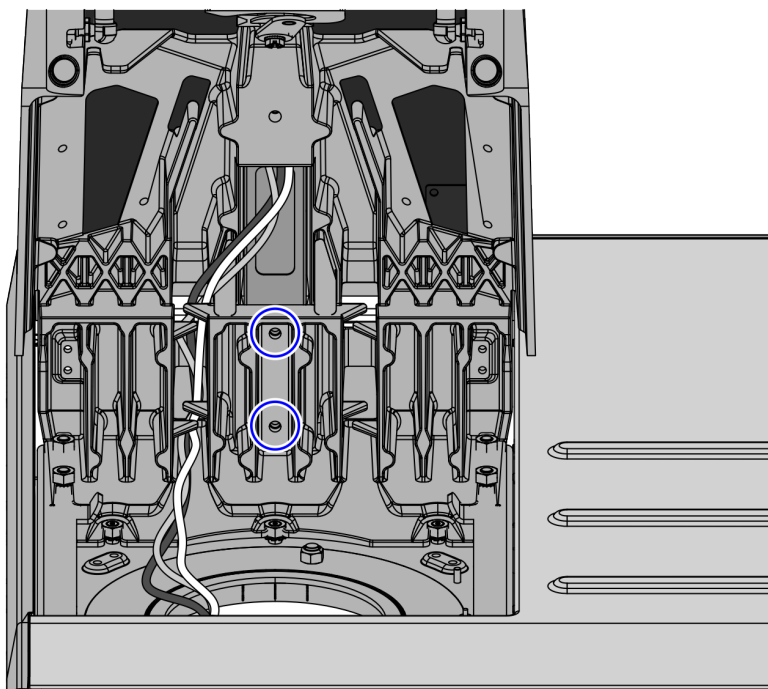
Note: If installing a secondary display, route the display cables out of the smaller hole on the back of the pole.

5. Route the cables coming out of the unit so they align with the grooves and carefully insert the pole into the tower.



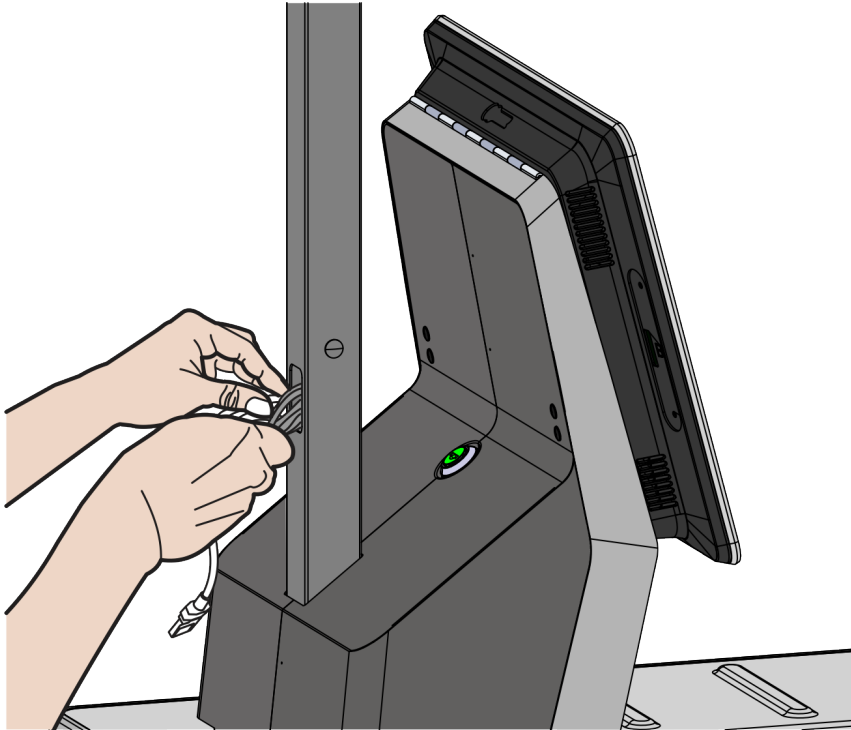
CCP-60750

6. Secure the pole to the tower with two (2) screws.



CCP-61150

7. Insert the excess cables into the opening on the Tri-Light/Lane Light pole so that the cables will not interfere with any other items.



CCP-61149

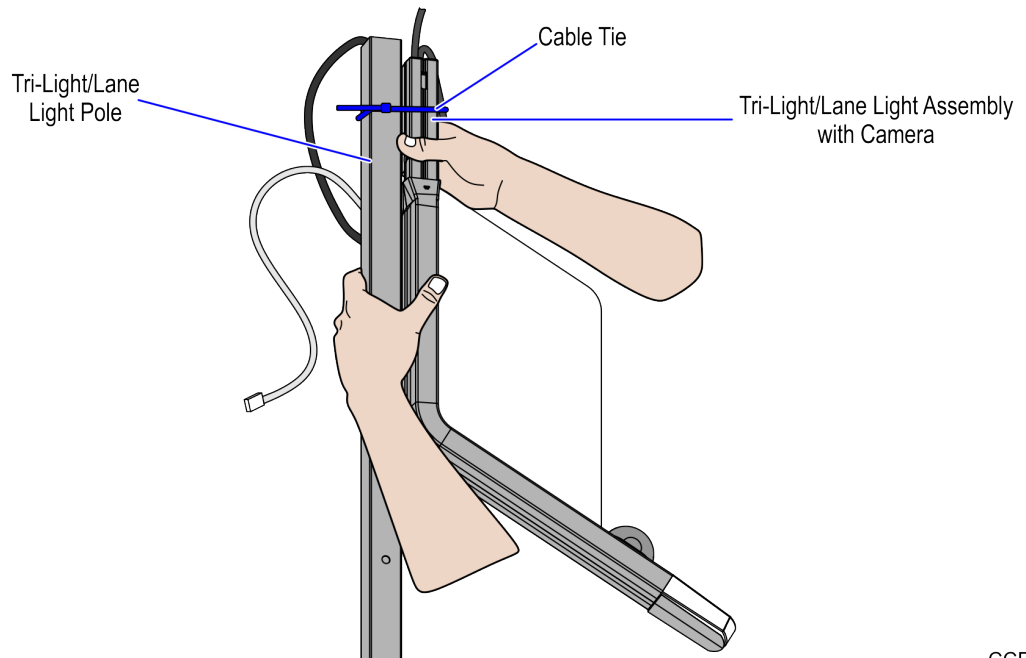
Installing Tri-Light/Lane Light with Camera Assembly

To install the Tri-Light/Lane Light assembly, follow these steps:

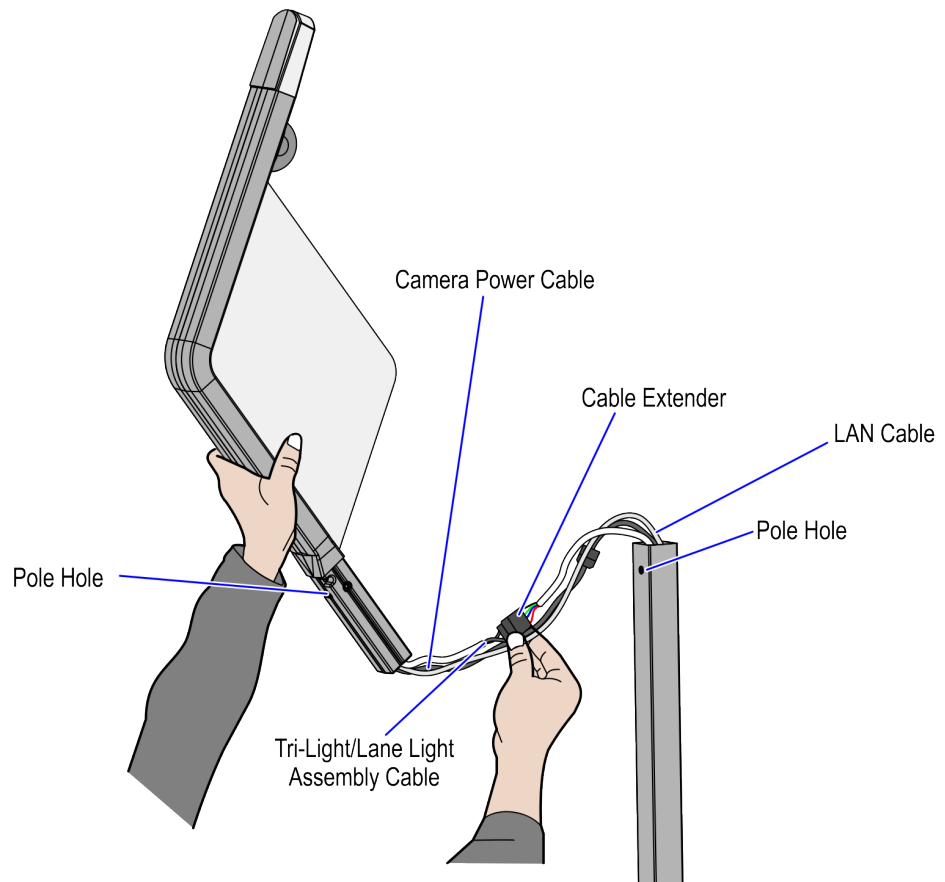


Note: Ensure that the NCR Customer Helpdesk is informed when the Tri-Light/Lane Light with Camera is installed in the store.

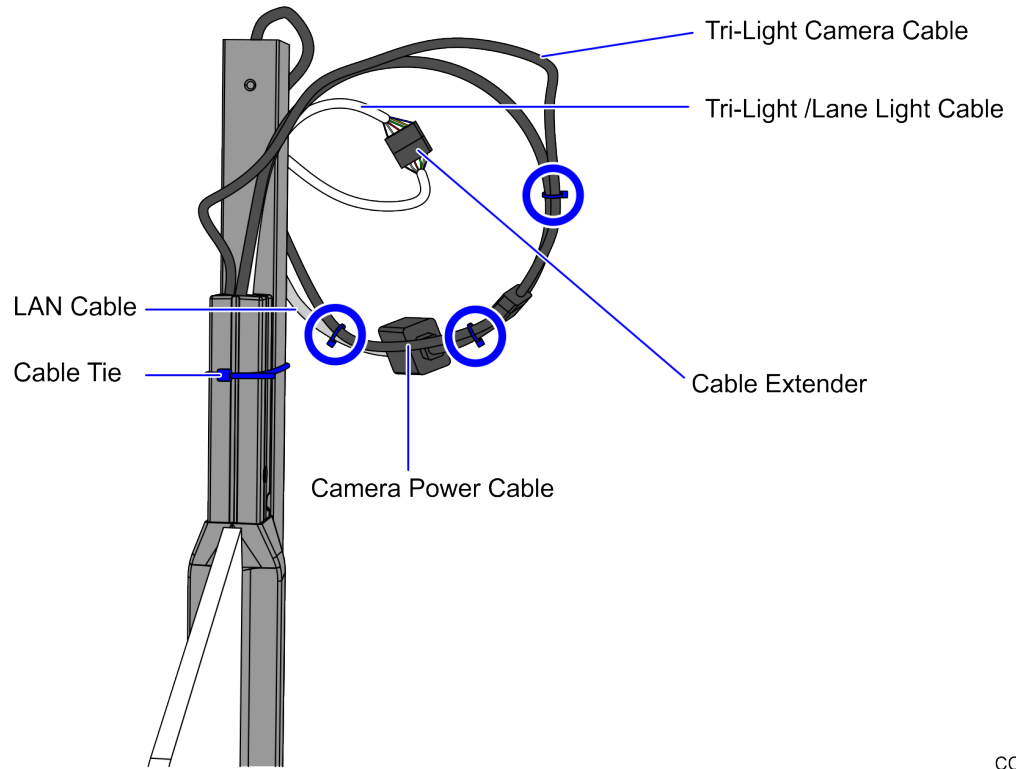
1. Remove the existing Tri-Light/Lane Light assembly, if necessary. For more information, refer to [Removing the Tri-Light/Lane Light \(R6\)](#) on page 6.
2. Tie the Tri-Light/Lane Light assembly to the Tri-Light/Lane Light pole using a cable tie, as shown in the image below.



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



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.



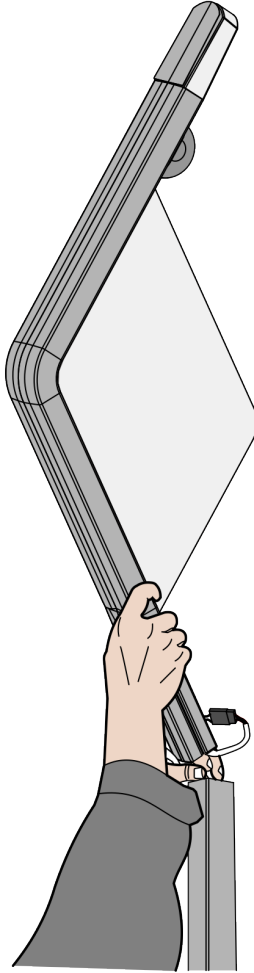
CCP-77705

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

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 assembly into pole.



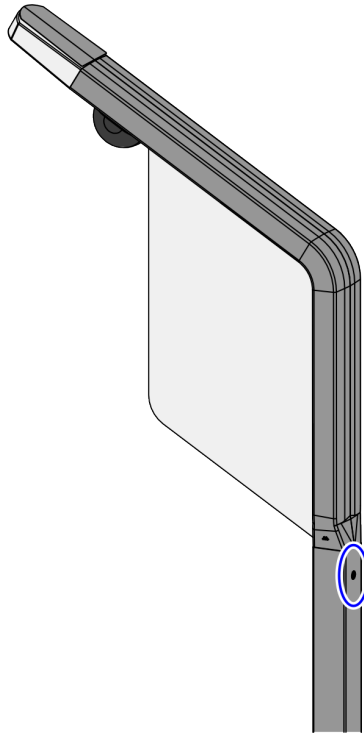
7. Route and connect the Tri-Light/Lane Light and Power cables to the corresponding I/O Box port destinations:



Note: For more information on routing the cables, refer to [Routing Tri-Light/Lane Light Cable](#) on the next page.

| 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.



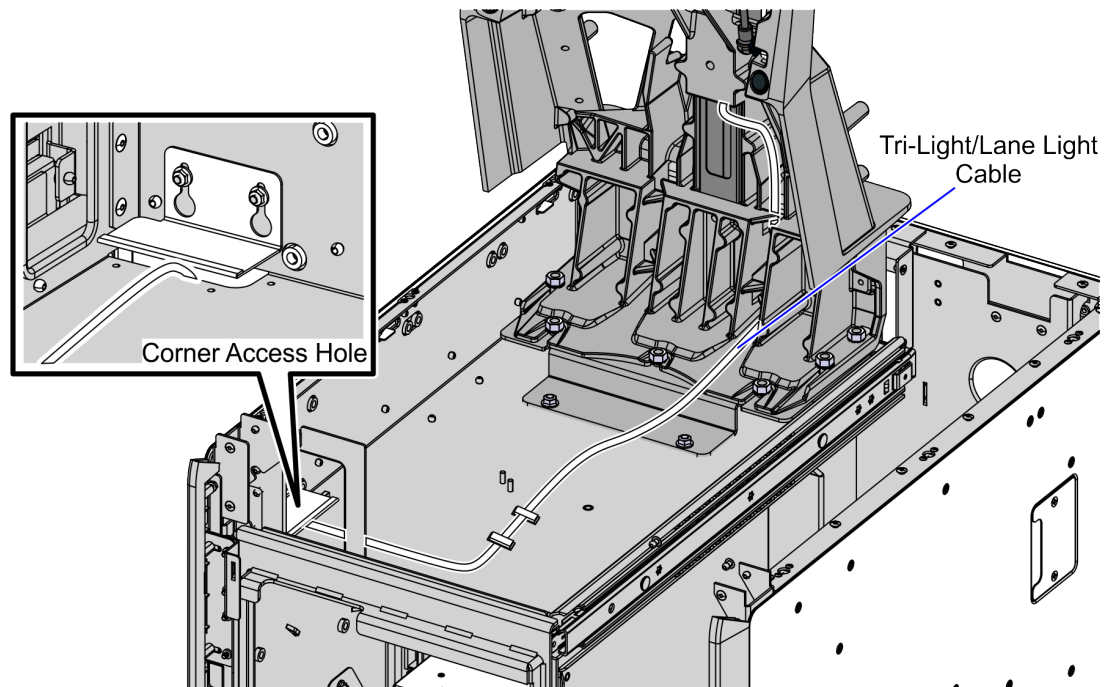
CCP-76738

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

Routing Tri-Light/Lane Light Cable

To route the Terminal Display cables in the Full Recycling (Fixed) unit, 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.

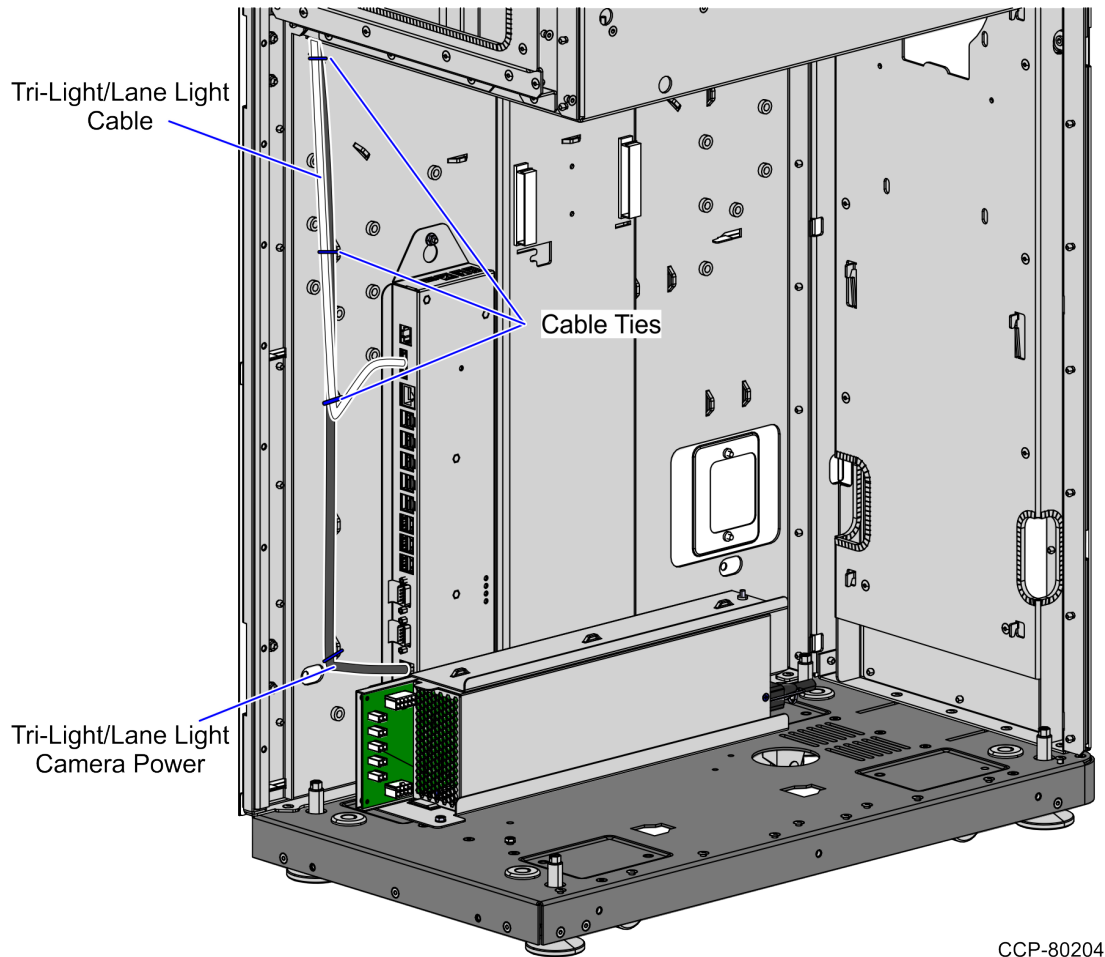


CCP-80203

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).



Configuring 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. For more information, refer to [Installing Tri-Light/Lane Light with Camera Assembly](#) on page 17.
- C. Install the HikVision Search Active Devices Protocol (SADP) tool, if necessary. For more information, refer to [Installing SADP Tool](#) on page 26.

To configure the Camera Settings, 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. 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.

| ID | Device Type | Status | IPv4 Address | Port | Software Version | IPv4 Gateway | HTTP Port | Device Serial No. | Subnet Mask | MAC Address | Encoding Ch |
|-----|-------------------|--------|----------------|------|---------------------|---------------|-----------|--------------------------------|----------------|-------------------|-------------|
| 001 | DS-2CD2D21G0-D/NF | Active | 169.254.41.164 | 8000 | V5.5.92build 190... | 0.0.0.0 | 80 | DS-2CD2D21G0-D/NF20190407AA... | 255.255.0.0 | 98-8b-0a-52-9f-6d | 0 |
| 002 | DS-2CD2D21G0-D/NF | Active | 169.254.17.164 | 8000 | V5.5.92build 190... | 0.0.0.0 | 80 | DS-2CD2D21G0-D/NF20190407AA... | 255.255.0.0 | 98-8b-0a-52-9f-7d | 0 |
| 003 | DS-2CD2D21G0-D/NF | Active | 153.73.132.43 | 8000 | V5.5.92build 190... | 153.73.132.33 | 80 | DS-2CD2D21G0-D/NF20190407AA... | 255.255.255... | 98-8b-0a-52-9f-76 | 0 |
| 004 | HD-IPCAMERA | Active | 192.168.1.88 | 8000 | V4.0.3build 1210... | 192.168.1.1 | N/A | HD-IPCAMERA0120121218BBRR80... | 255.255.255.0 | 00-5a-20-a9-95... | 1 |

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



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



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



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

Installing SADP Tool

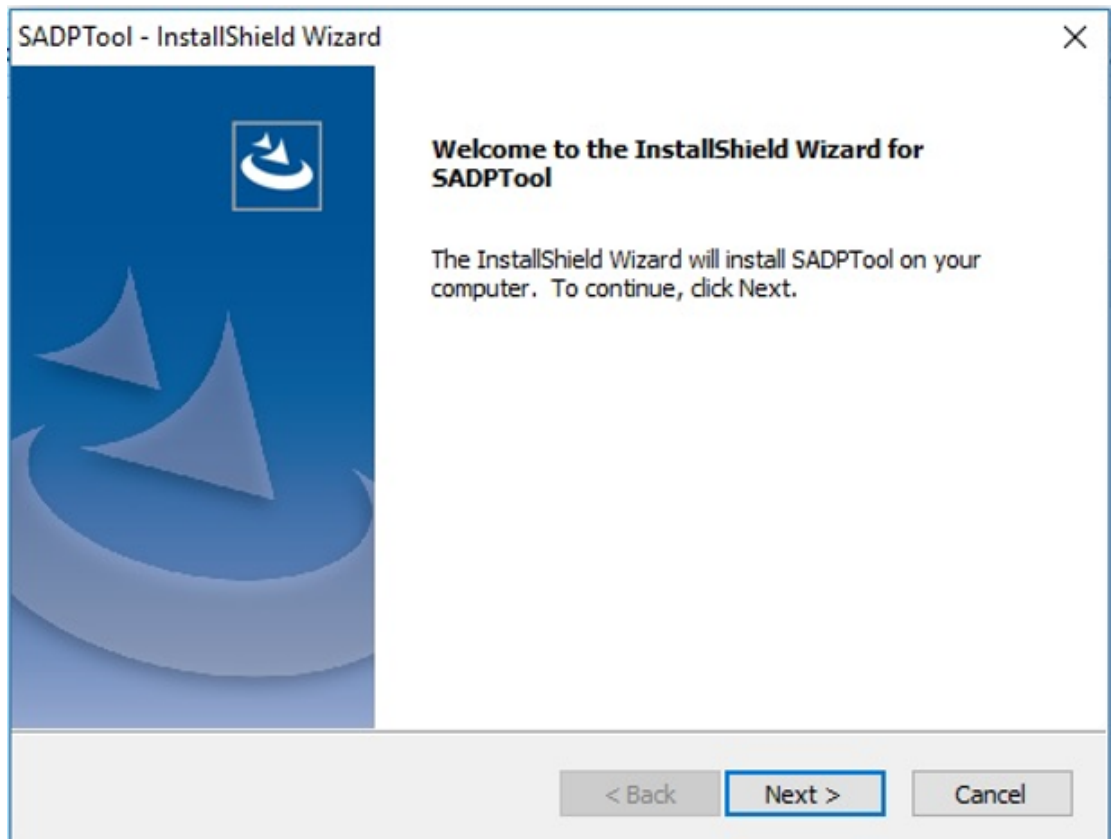
The Search Active Devices Protocol (SADP) is an online device search tool that allows users to search and to modify network information of online devices. For more information about SADP Tool, refer to [HikVision Tools Download](#).



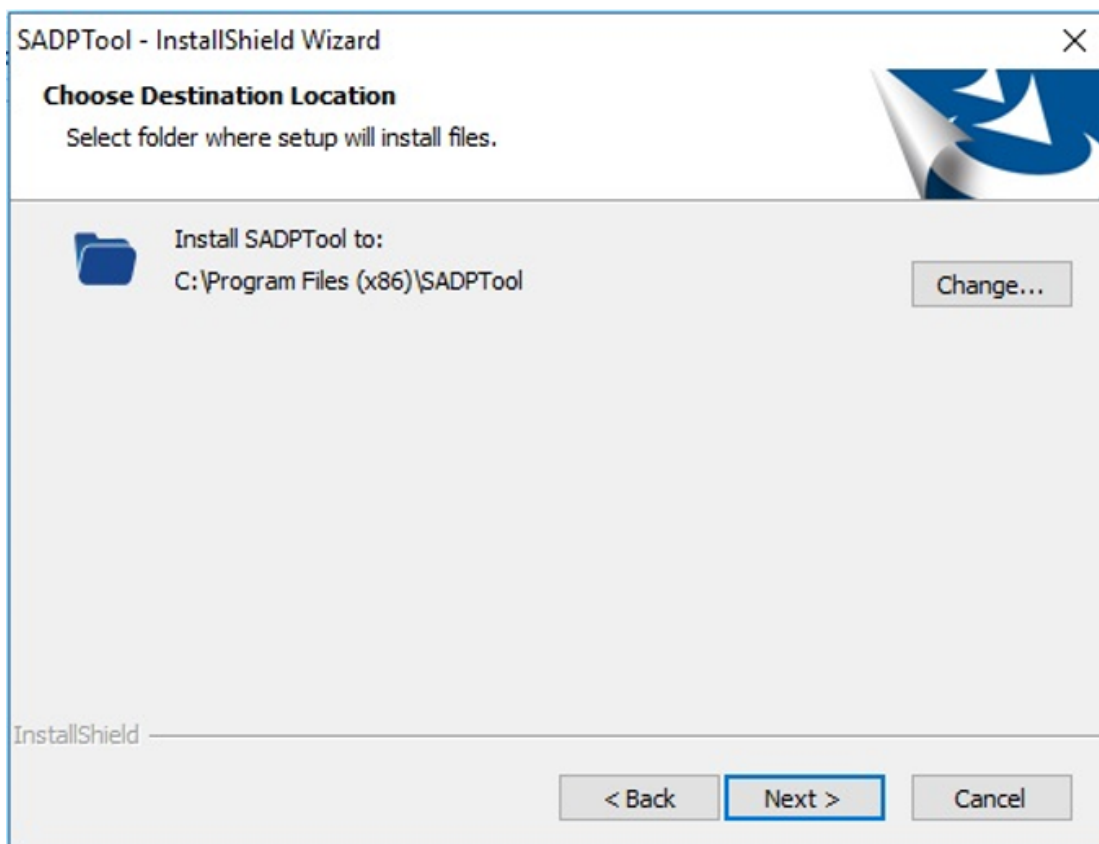
Note: Ensure that the camera and the device (DVA, lane, computer or laptop) used for configuration are connected to the same network.

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.

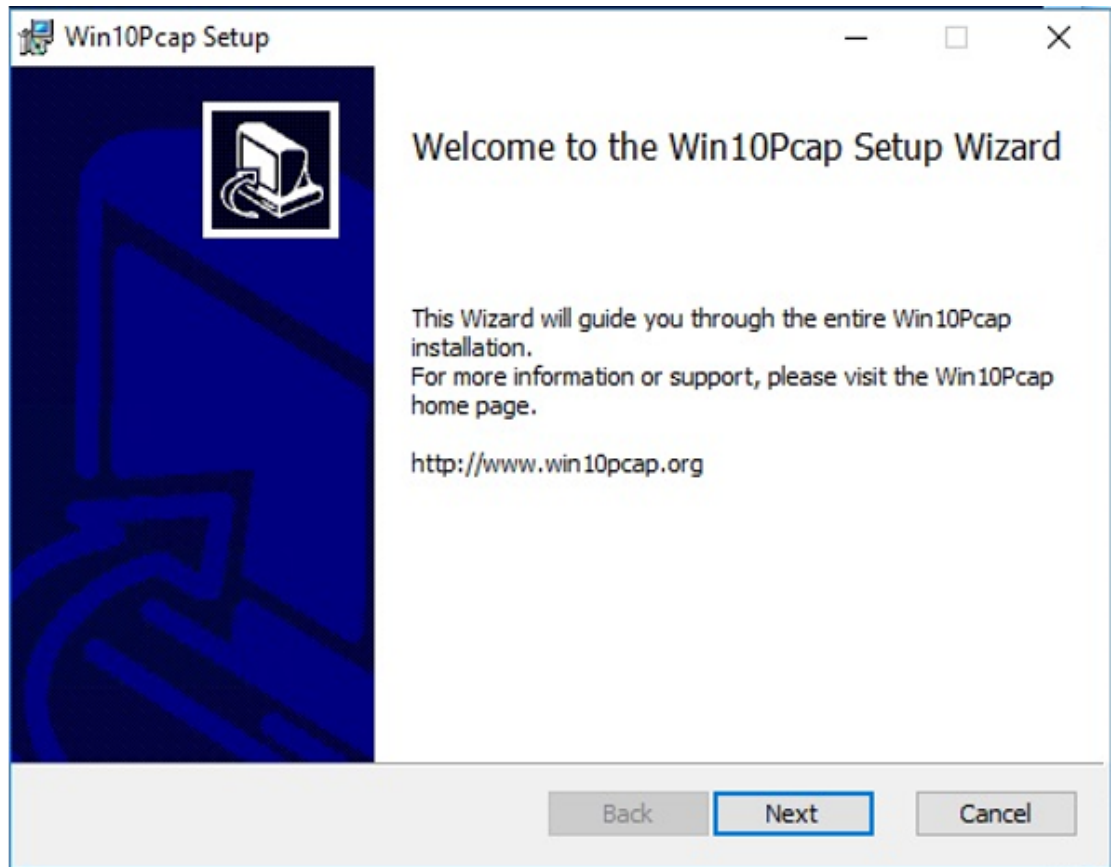


4. Select **Next**. The installation window shows the default destination folder.

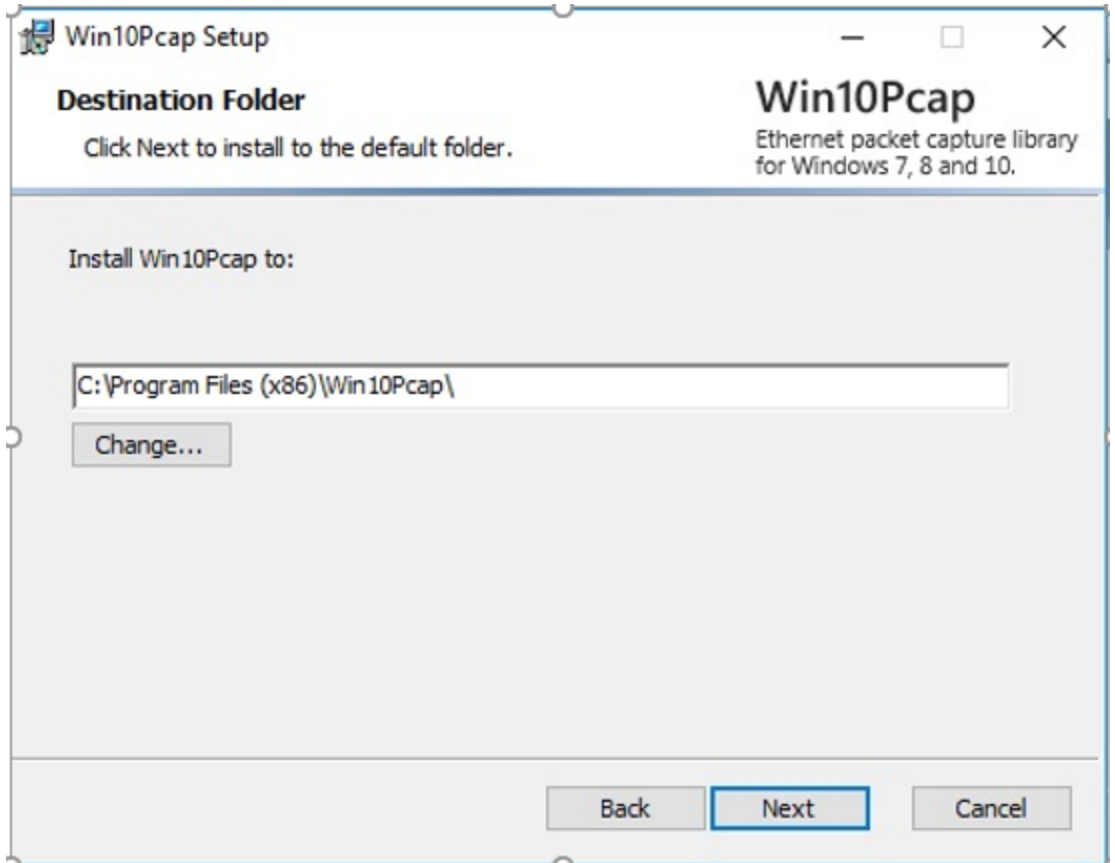


5. Select **Change** to enter a different destination from the default destination folder, if necessary.

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.

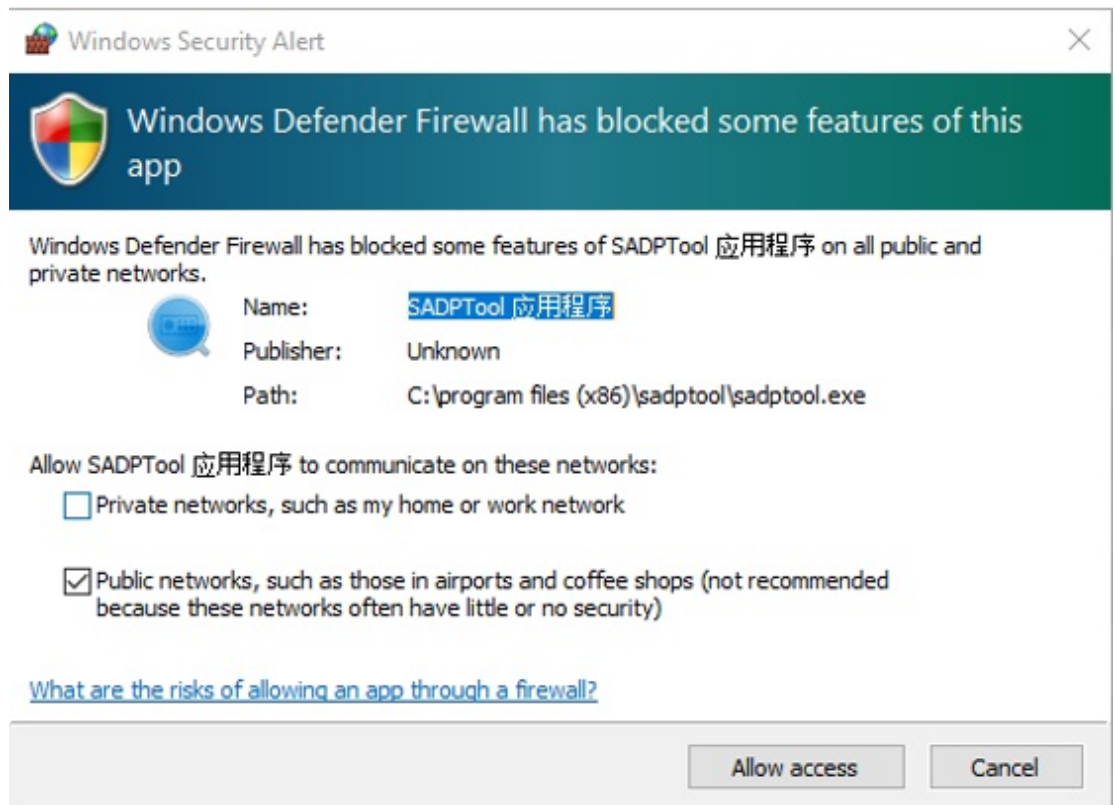


7. Select **Next**. The installation window shows the default destination folder.



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

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.