



710 Series Bullet
510 Series Bullet
IP Surveillance Camera

Quick-Start Guide

Box Contents

- Camera
- Self-adhesive mounting template
- 3 × wall anchors with screws
- CC tester cable
- Threaded conduit connector
- Hex wrench
- Plastic “needle” for cables

Additional Required Equipment

- A network connection (and an NVR, if desired) with admin rights to the network
- Mobile device with Luma Surveillance mobile app (recommended) or CCTV tester
- Power source: PoE or 12V DC
- Phillips screwdriver



WARNING: This product can expose you to chemicals including cadmium, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Read this *before* you go on site!

Install your camera with a connection to the Internet via your NVR or through a network router. **This allows you to use OvrC**, a powerful remote maintenance tool (see OvrC.com) and lets you use the Luma Surveillance mobile app to check on the camera from anywhere.

For installation using this guide, you must be able to access this camera through a personal computer. If your surveillance system is not on a network, you'll have to use the NVR's local interface for installation. See the NVR user's manual for details.

The web UI manual and other materials can be found on the product page at SnapAV.com.

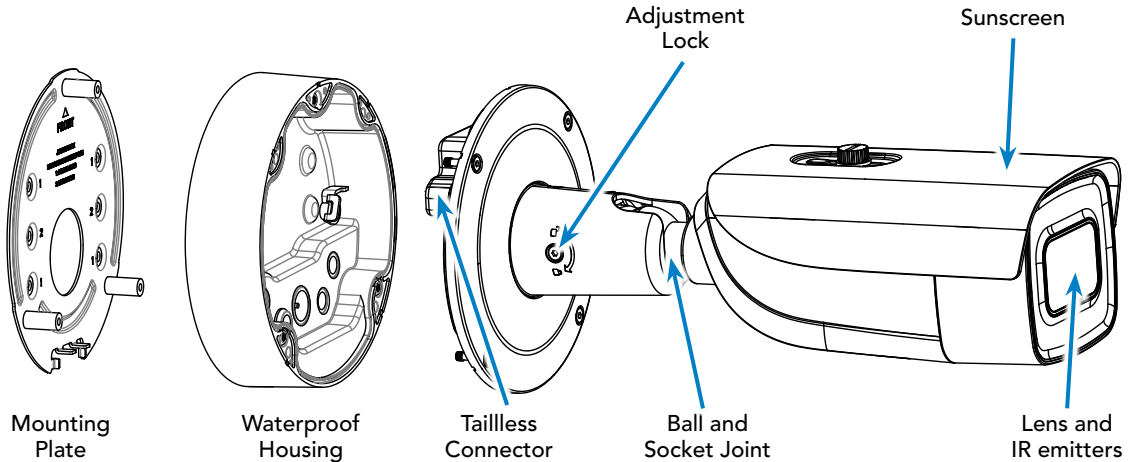
- Ensure that the device is in good condition and all the assembly parts are included.
- Make sure that all equipment is powered off during installation.
- Ensure the mounting surface is strong enough to hold three times the weight of the camera and the mount.
- If the mounting surface is cement, use the included expansion screws to install the camera. If mounting to a wood surface, use self-tapping wood screws (not included).
- If the product does not function properly, please contact technical support. Do not disassemble the camera for repair or maintenance.

Safety Tips

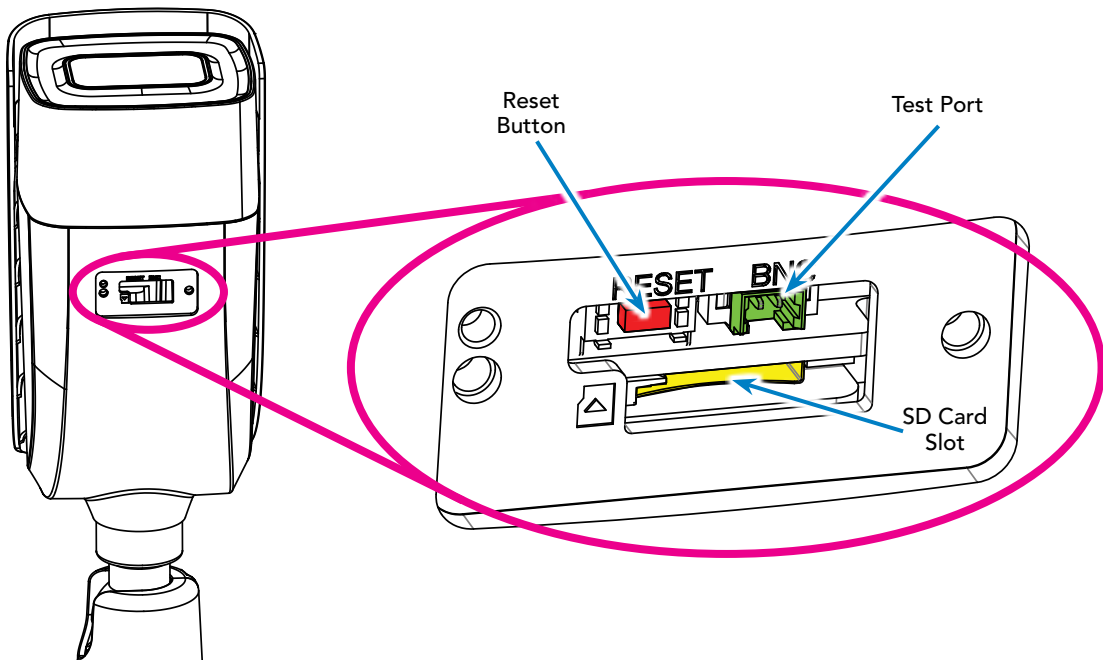
- Handle this device with care.
- Do not strike or shake this device.
- Protect the power cord from being stepped on or pinched, particularly where it connects to the device and the power outlet.
- Do not operate this device beyond its specified power ratings.
- Do not use this device near any heat sources such as radiators, heat registers, stoves, or other such heat-generating equipment.
- The performance and lifespan of the camera is affected by temperature. For best results, use this device in temperatures ranging from -14–140 °F.
- Clean this device with a dry cloth. Do not use strong or abrasive detergents when cleaning the device, especially the lens. If dirt is hard to remove, use a mild detergent and wipe gently.
- Make a note of the configuration settings and save them. This helps when changing the configuration, when upgrading the device, or with recovery if unexpected failure or trouble occurs.

Your Camera

Before installing, familiarize yourself with the parts of your camera.



..... Your Camera's Utility Port



Installation with an NVR

If you are installing with an NVR, follow **these** instructions. Otherwise, follow the instructions starting on the **next** page.

1. Ensure your NVR has the latest firmware. If it does not, your NVR may be unable to locate and activate your camera.
2. Perform the physical installation of your camera by following the instructions given on pages 10–14.
3. Plug your camera into your recorder. The NVR autodetects your camera, activates it (giving it the same admin password that it has), and assigns it an IP address.
4. Complete the installation using the instructions given in your NVR manual. You do not need to continue using this guide. [Where possible, we recommend changing settings using your NVR.](#)

Installation Without an NVR

If you are using this camera on a network without an NVR, use the Luma Utility to locate your camera and set it up.



Visit your product page at SnapAV.com and download the Luma Utility installer from the Support tab. **You must use v3.0.0.53 build 20170426 or later! Earlier versions of the utility will not work!**

Run the installer, accepting all defaults.

Pre-Installation Camera Configuration

You'll find it easiest to connect the camera directly to your PC, making most adjustments to the camera from the convenience of your table (prior to physical installation), rather than from atop a ladder.

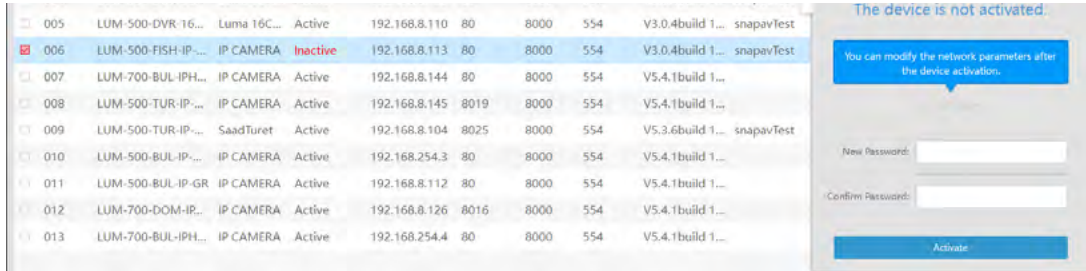


Connect the camera to your PC and run the Luma Utility. It searches for attached Luma Surveillance devices. If your camera does not appear, check the connection, ensure the camera is powered up, then click the **Refresh** button.

Activate the Camera

Click on the entry for your camera to view its details. If the camera is inactive, use the text boxes at the lower right of the Luma utility window to activate the camera by creating a new secure password.

- Passwords cannot be longer than 16 characters. To ensure compatibility with the local interface, only use numbers, letters, spaces, and these special characters: . , : - /
- Use a password that is long and easy to remember. A password like *parisinthespring* is more secure and easier to remember than a password like *D3x-7b*.



ID	Model	Type	Status	IP	Port	MAC	SSID	Firmware	Test
005	LUM-500-DVR-16...	Luma 16C...	Active	192.168.8.110	80	8000	554	V3.0.4build 1...	snapavTest
006	LUM-500-FISH-IP...	IP CAMERA	Inactive	192.168.8.113	80	8000	554	V3.0.4build 1...	snapavTest
007	LUM-700-BUL-IPH...	IP CAMERA	Active	192.168.8.144	80	8000	554	V5.4.1build 1...	
008	LUM-500-TUR-IP...	IP CAMERA	Active	192.168.8.145	8019	8000	554	V5.4.1build 1...	
009	LUM-500-TUR-IP...	SaadTuret	Active	192.168.8.104	8025	8000	554	V5.3.6build 1...	snapavTest
010	LUM-500-BUL-IP...	IP CAMERA	Active	192.168.254.3	80	8000	554	V5.4.1build 1...	
011	LUM-500-BUL-IP-GR	IP CAMERA	Active	192.168.8.112	80	8000	554	V5.4.1build 1...	
012	LUM-700-DOM-IP...	IP CAMERA	Active	192.168.8.126	8016	8000	554	V5.4.1build 1...	
013	LUM-700-BUL-IPH...	IP CAMERA	Active	192.168.254.4	80	8000	554	V5.4.1build 1...	

The device is not activated.

You can modify the network parameters after the device activation.

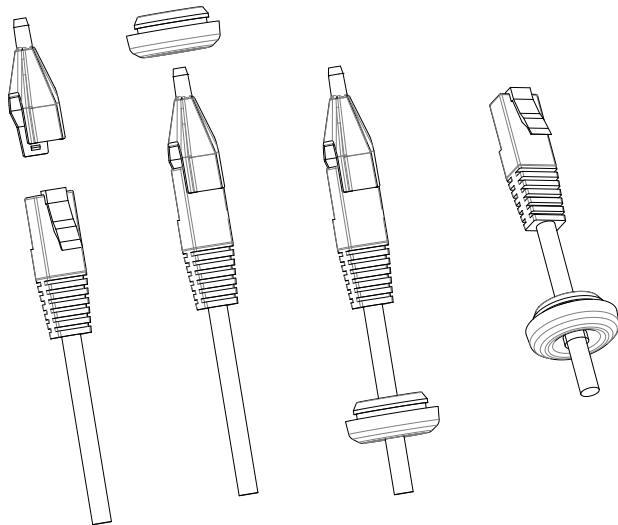
New Password:

Confirm Password:

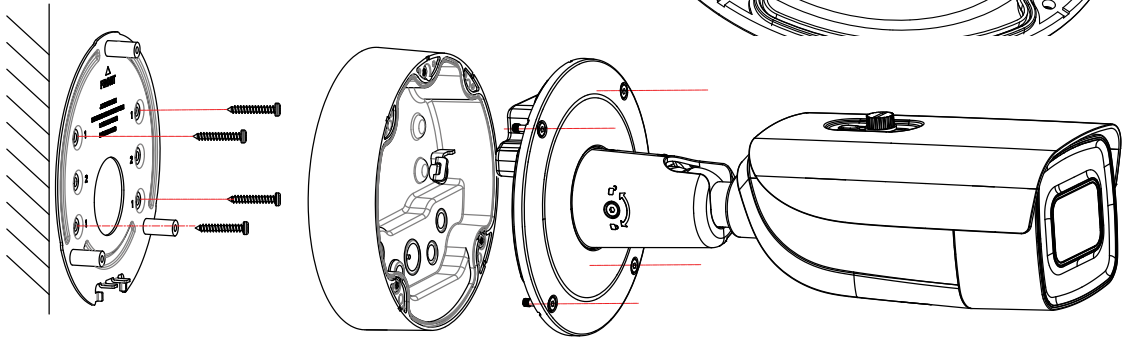
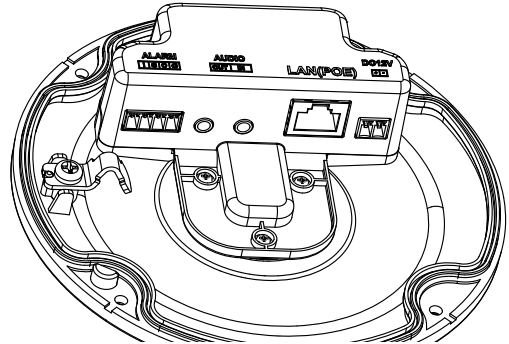
Activate

Physical Installation

1. Drill pilot holes for your screws in the mounting surface, using the supplied template.
2. Attach the base plate and run the cables through it.
3. Thread the cables through the waterproof housing as shown here. Place your terminated category cable into the plastic needle and push the needle through one of the rubber nipples in the waterproof housing. Repeat for 12V power and/or audio wires as needed.
4. Clip the waterproof housing to the mounting plate. Ensure all clips are fully engaged. Secure the housing with the supplied screws.



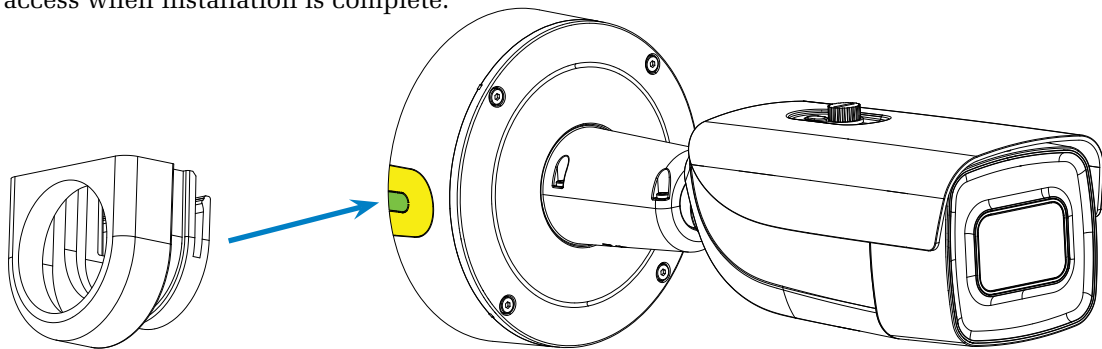
5. Plug the various cables into the appropriate ports on the base of the camera.
6. Secure the base of the camera to the waterproof housing.
7. Apply a caulk seal around the camera and the conduit port.



Exterior-Mounted Cable

If your install has cabling running along the surface of the wall rather than being inside the wall, you can use the conduit port on the side of the waterproof housing.

Depending on the size of your cable, you can cut out the small portion (in green) to run a category cable, or remove the plug entirely (yellow) to pass a cable bundle through. Alternatively, you can remove the plug and replace it with the threaded conduit cable (shown below left). Regardless of which method you use, be sure to seal all cracks around this cable access when installation is complete.



Start the Web Interface

Open your browser and navigate to the camera's IP address. Below the login area, you may see: "Please click here to download and install the plug-in. Close the browser when installing the plug-in." If so, download the plug-in and close all browser windows.

Install the *LumaWebComponents* plug-in, restart your browser and log in to your camera as *admin* using the password you created. You may get a pop-up that asks if you want to run the Luma Web Components plug-in. You must allow the plug-in to access your system. [Save your camera's web page as a favorite in your browser.](#)

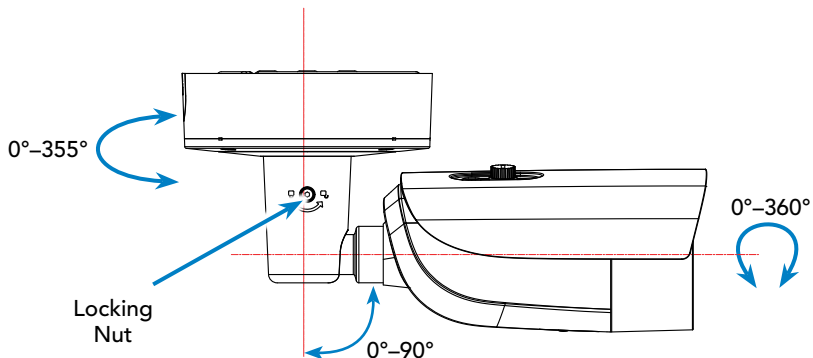
After logging in, your screen shows the live page, shown at right. If it does not appear, check the connection to your NVR or network, and ensure the camera is powered up.



Adjust the Camera

This camera's mount arm can rotate 355° around the mounting base. It has an elbow joint that handles angles from 0° to 90° . Finally, the camera can rotate 360° within the elbow joint.

1. Loosen the locking nut at the mounting base until the mount arm can rotate.
2. Aim the camera as desired. Ensure that it remains upright with the sunscreen on top.
3. While holding the camera steady, tighten the locking nut to secure the camera in position.



Additional Setup Best Practices

Be sure to complete customization of the camera using the NVR's web interface:

- Set up DDNS
- Add additional users
- Calibrate the time settings
- Set up recording schedule
- Enable motion detection

See your NVR's manual for full details.



Support

If you need help, email support@SnapAV.com. For information, instructional videos, support documentation, or ideas, visit our website.

3-Year Limited Warranty

This Luma Surveillance™ product has a 3-Year Limited Warranty. This warranty includes parts and labor repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products that have been abused, modified or disassembled. Products to be repaired under this warranty must be returned to a designated service center with an assigned return authorization (RA) number. Contact technical support for an RA number.

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