



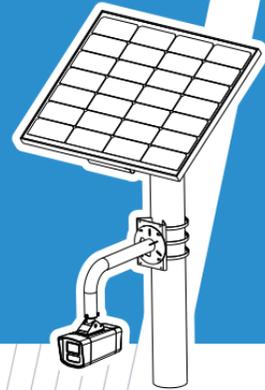
Datasheet



User Manual

# QUICK START GUIDE

SP111



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## 1. Package Contents

4G Solar-powered  
Camera x 1

Warranty Card x 1

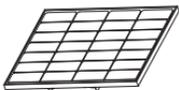
Camera Quick  
Start Guide

Screwdriver x 1



DC cable x 1

## Solar Panel

Solar Kit  
(S100B55/S100B96)U type  
hoop x 2Bracket  
Fasteners x 2Dual Device  
Power SplitterDC+RS485  
CableCamera Power  
CableNuts x 4  
Washers x 4  
Spring washers x 4

M6 screws x 6



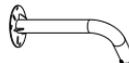
Hex Wrench x 1

Solar Panel Quick  
Start Guide

## Optional



A02 V2 Bracket



SA02 Bracket



A43 Junction Box



Outdoor Wireless CPE

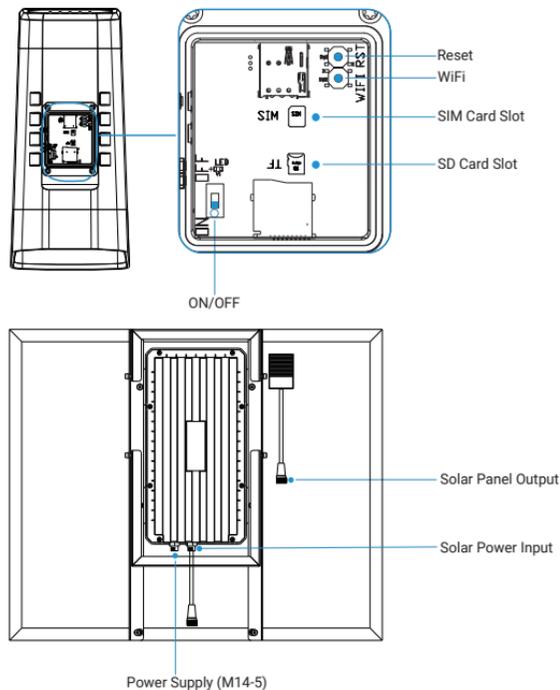
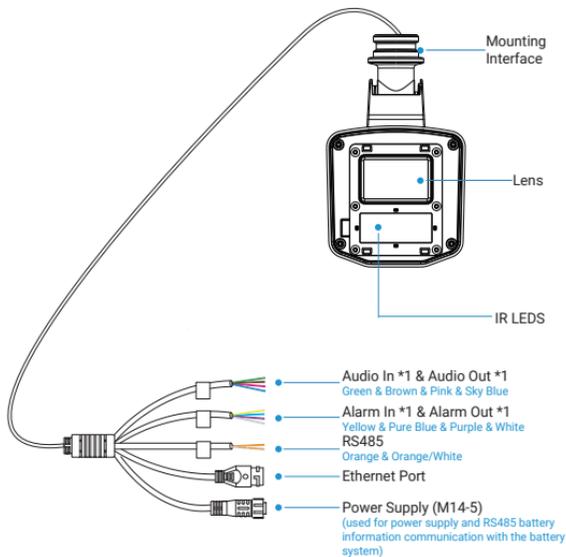


BJ-N Bracket



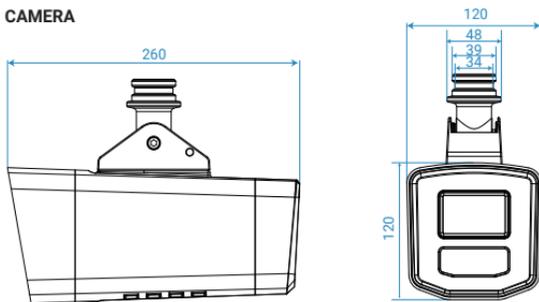
S100 Expansion Module

## 2. Hardware Overview

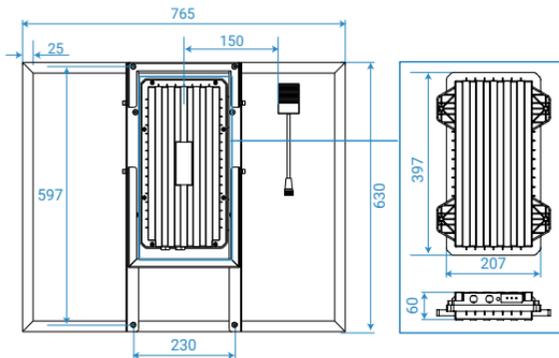


### 3. Dimensions

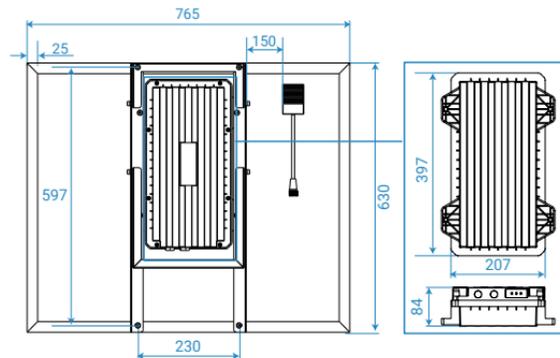
#### CAMERA



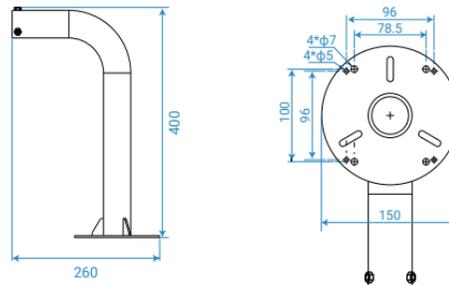
#### S100B55



#### S100B96

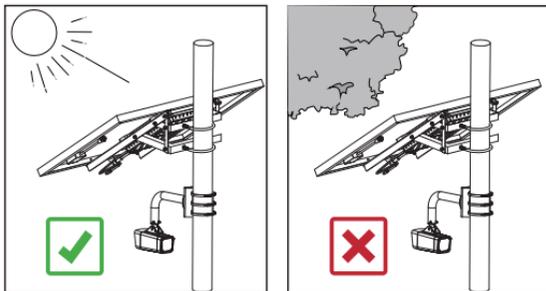


#### SA02



Units: mm

## 4. Installation

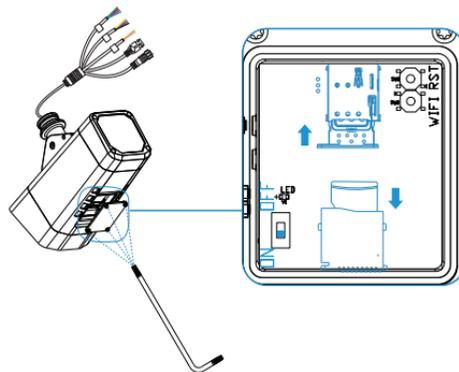


### ⚠ CAUTION

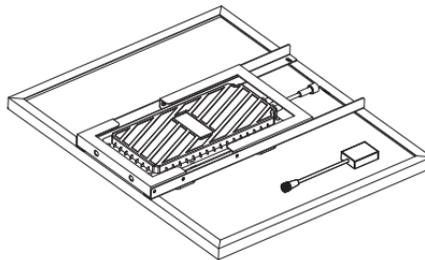
- The best installation direction for solar panels is due south in the northern hemisphere and due north in the southern hemisphere. A compass must be used for positioning.
- Solar panels should be installed in an open unobstructed place directly facing towards the sun for better power efficiency.
- Lithium-ion battery should be put through at least one charge-discharge cycle every 3 to 6 months to ensure proper operation.

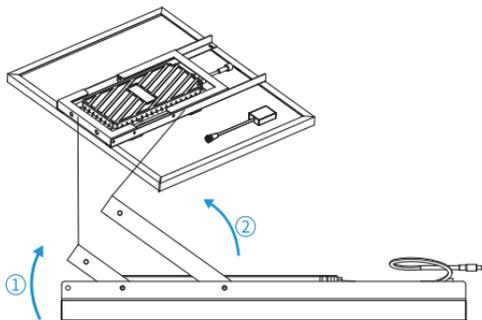


**Step 1:** Use a screwdriver to open the back cover at the bottom of the camera. Insert the SD card and SIM card.

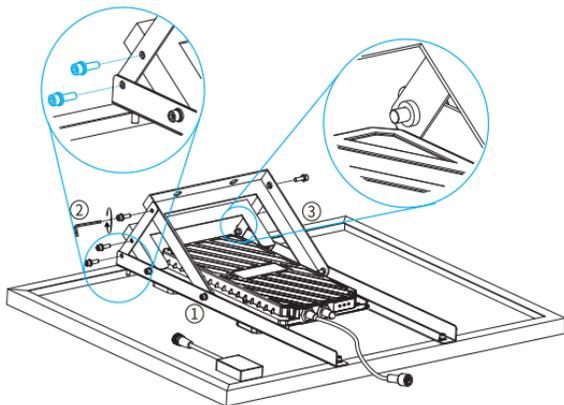
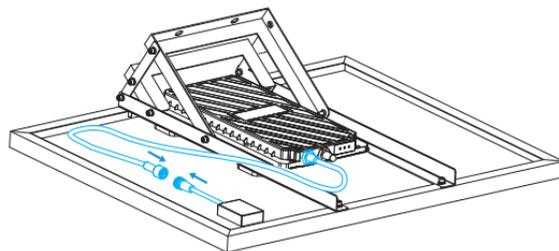


**Step 2:** Place the solar panel kit horizontally

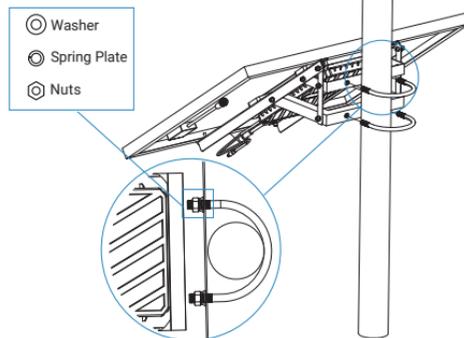


**Step 3:** Lift the two brackets

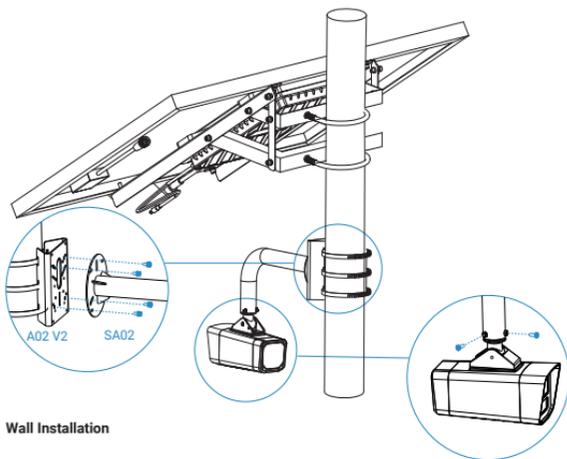
**Step 4:** Fasten the brackets on both sides. Make sure the screw holes on the top plate line up with the bracket's inner holes.

**Step 5:** Connect the Solar Panel Output to the Solar Power Input on the battery.

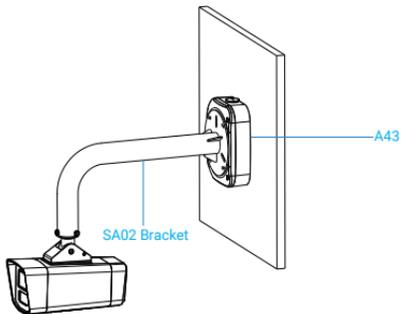
**Step 6:** Secure the equipment onto a vertical pole (diameter 80mm–114mm) using U-type hoops and the provided fastener sets (including nuts, washers, and spring washers).



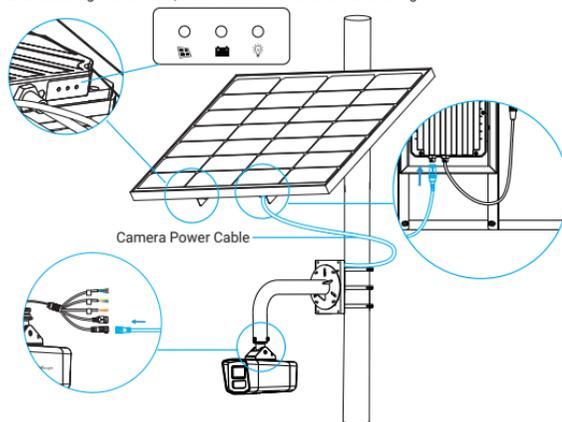
## Pole Installation



## Wall Installation



**Step8 :** Connect the power output interface of the solar panel to the Camera Power Cable, and then connect the other end of the cable to the camera. After installing and securing the camera, check the status of the indicator lights.



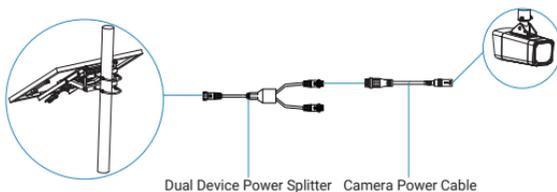
## Indicator Light Status:

Indicator	Colour	Status
 Solar panel indicator		<b>ON:</b> Solar energy is charging the battery <b>OFF:</b> Solar energy did not charge the battery <b>Flashing:</b> Battery capacity exceeds 95% and the battery is fully charged
 Battery indicator		<b>ON:</b> Battery voltage is normal <b>Slow Flashing:</b> Battery voltage is insufficient and it flickers once every 4 seconds <b>Quick Flashing:</b> Battery low voltage protection flashes once every 1 second
 Load indicator		<b>ON:</b> There is voltage output at the output terminal <b>OFF:</b> There is no voltage output at the output terminal

### Cable Connection

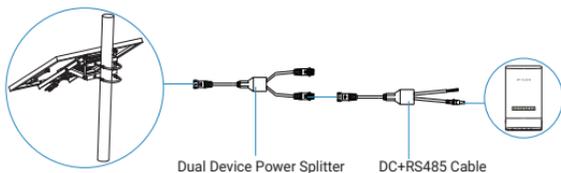
#### 1. Dual Device Power Splitter

A 1-to-2 power cable. Used to simultaneously power two devices (e.g., a network bridge and a camera) from a single solar output.



#### 2. Bridge Data & Power Cable

Dedicated for Network Bridges. Provides DC 12V power and simultaneously transmits RS485 data to monitor the solar panel's electrical metrics.



## 5. Configuration

**Step 1:** Press the camera's WiFi button to turn on the WiFi.

**Step 2:** Use mobile devices or laptop to connect to the device's Wi-Fi. The Wi-Fi name is SP111\_xxxxxx (xxxxxx is the last six bits of the MAC address).



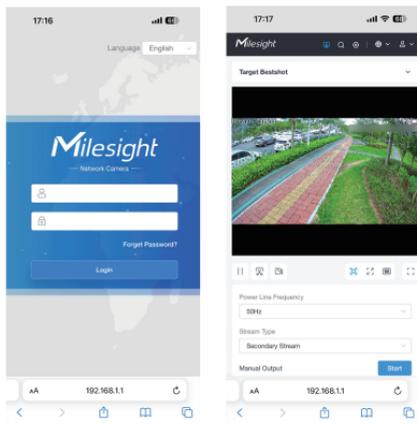
**Note:**

When the device is powered on, the indicator light will slowly flash green until the device is fully booted, at which point it will remain solid green. The Wi-Fi of device is automatically enabled when the device is powered on.

**Step 3:** Enter the IP address 192.168.1.1 in the browser to log in to the web page of the device and configure the device.

**Note:**

1. First-time login requires activating the camera and setting a password.
2. The IP address of the device cannot be modified.
3. For more information about how to configure the device, please refer to the User Manual.



**Step 4:** After completing the device configuration, lock the camera cover to ensure data security.

**Note:**

Press and hold the reset button (for about 5 seconds) until the green light flashes quickly five times. At this point, the device has been reset, and you can release the button.

## 6. FCC Statement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

### FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.