

Sense-U SU-WA004-SP-Only

Sense-U Mini Solar Panel Instruction Manual

Model: SU-WA004-SP-Only

INTRODUCTION

Thank you for choosing the Sense-U Mini Solar Panel. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your solar panel. Please read this manual thoroughly before use and retain it for future reference.

PRODUCT OVERVIEW

The Sense-U Mini Solar Panel is designed to provide continuous power to compatible 5V rechargeable battery-powered security cameras, including the Sense-U Outdoor Security Camera. It features a 3.3W high-efficiency monocrystalline solar panel and an IP65 weatherproof design for outdoor use.

What's in the Box

- One Sense-U Mini Solar Panel
- Mounting Kit (includes bracket, screws, and wall anchors)

Key Features

- **Continuous Power:** Provides constant charging for compatible 5V battery cameras.
- **High Efficiency:** 3.3W Monocrystalline solar panel for optimal energy conversion.
- **Easy Installation:** Includes a mounting kit and a 9.8ft (3m) cable for flexible placement.
- **Weatherproof Design:** IP65 rated, suitable for outdoor conditions from -4°F to 122°F.
- **Compatibility:** Works with most DC 5V battery cameras with a USB-B output port. *Not compatible with plug-in cameras or non-rechargeable battery cameras.*



Image: The Sense-U Mini Solar Panel shown alongside a compatible Sense-U outdoor security camera, highlighting its purpose.

SAFETY INFORMATION

- Ensure the solar panel is securely mounted to prevent falling.
- Do not attempt to disassemble or modify the solar panel. This may void the warranty and pose safety risks.
- Keep the solar panel and cable away from open flames, heat sources, and corrosive materials.
- Verify that the camera you intend to power is compatible with a 5V USB-B input.
- When drilling holes for mounting, be aware of hidden electrical wires or plumbing.

SETUP AND INSTALLATION

Proper installation ensures optimal performance and longevity of your solar panel.

Choosing a Location

Select a location that receives at least 2-3 hours of direct sunlight daily. South-facing locations (in the Northern Hemisphere) or north-facing locations (in the Southern Hemisphere) are generally ideal. Avoid areas shaded by trees, buildings, or other obstructions.

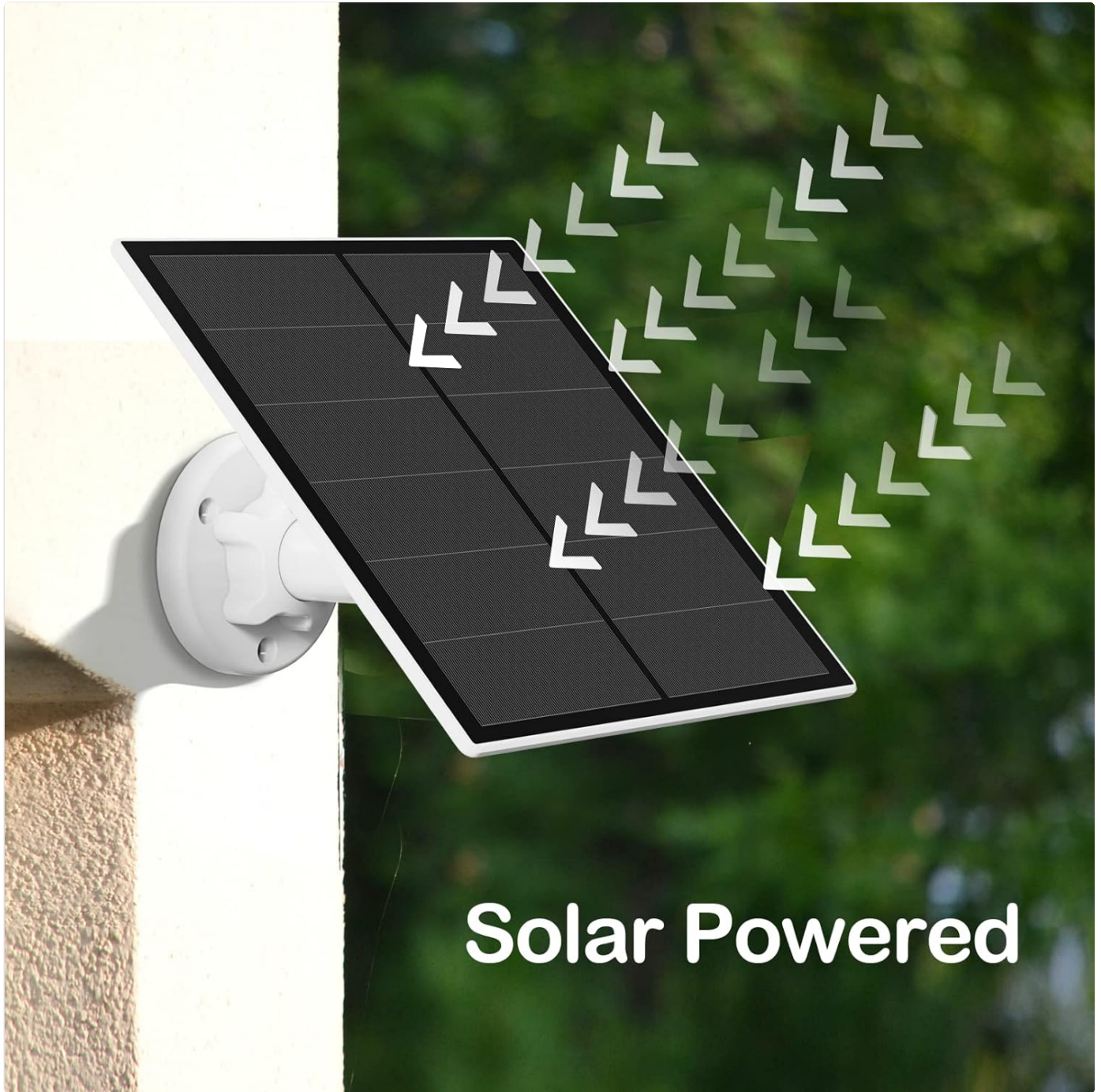


Image: The Sense-U Mini Solar Panel positioned to capture maximum sunlight. Arrows indicate the direction of sunlight hitting the panel.

Mounting the Solar Panel

1. **Mark Drill Holes:** Hold the mounting bracket against the chosen surface and mark the positions for drilling.
2. **Drill Holes:** Use an appropriate drill bit to create holes at the marked positions. Insert wall anchors if mounting into masonry or stucco.
3. **Attach Bracket:** Secure the mounting bracket to the surface using the provided screws.
4. **Attach Solar Panel:** Connect the solar panel to the mounting bracket. The bracket allows for 360° rotation and 90° tilt for optimal angle adjustment.

Easy to Set Up

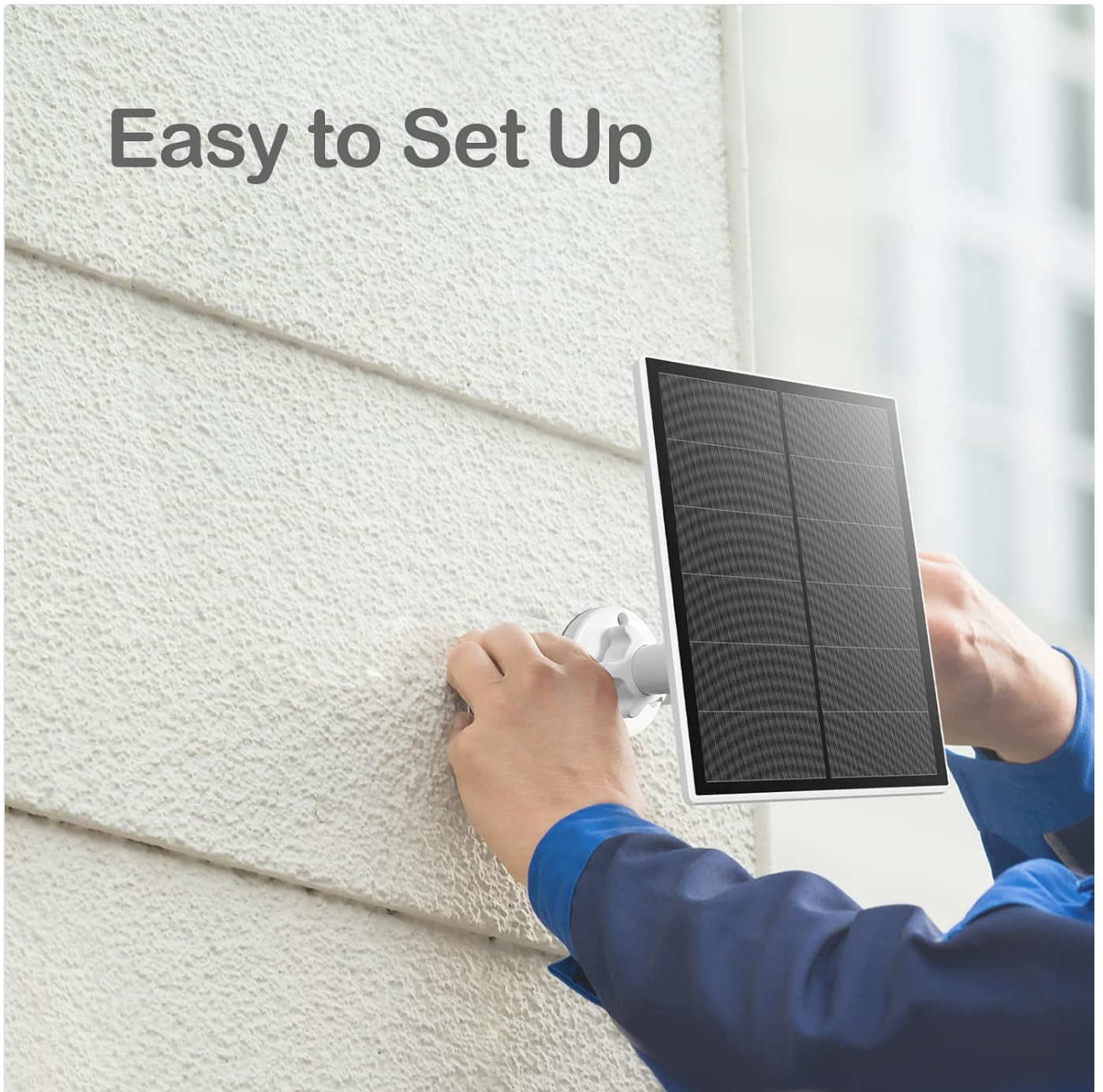


Image: A person demonstrating the easy installation of the solar panel onto a wall using the mounting kit.

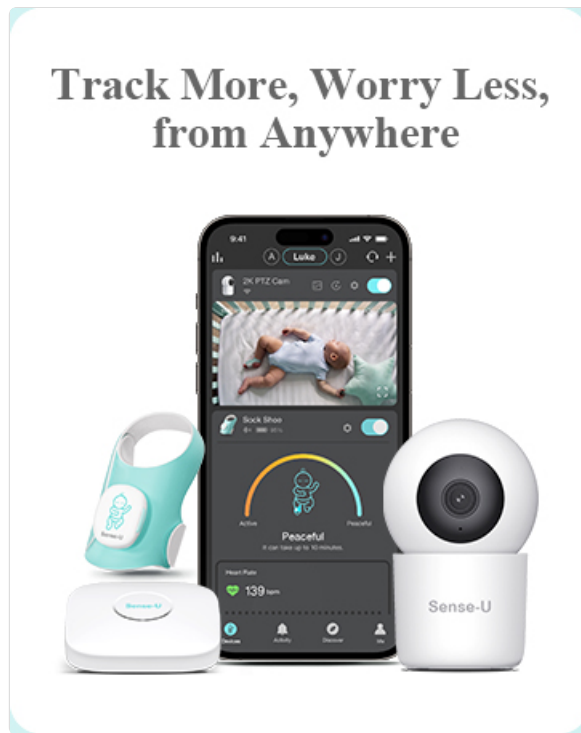


Image: A diagram illustrating the adjustable mounting bracket, allowing for 90-degree vertical tilt and 360-degree horizontal rotation to optimize sun exposure.

Connecting to Your Camera

Route the 9.8ft (3m) USB-B cable from the solar panel to your compatible 5V security camera. Plug the USB-B connector into the camera's charging port. Ensure the connection is secure and the cable is routed to prevent tripping hazards or damage.



Image: The Sense-U Mini Solar Panel mounted on a wall, connected via cable to a Sense-U outdoor security camera, illustrating a typical installation setup.

OPERATING INSTRUCTIONS

Once installed and connected, the solar panel will automatically begin charging your camera's battery when exposed to sufficient sunlight. The internal batteries of the solar panel will store energy to continue powering the camera when the sun is not available.

- Ensure the solar panel surface is clean and free from obstructions for optimal charging efficiency.
- Monitor your camera's battery status through its dedicated application to confirm continuous charging.

MAINTENANCE

The Sense-U Mini Solar Panel is designed for minimal maintenance due to its IP65 weatherproof rating.

- **Cleaning:** Periodically wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, or debris that may reduce charging efficiency. Avoid abrasive cleaners or harsh chemicals.
- **Inspection:** Regularly check the mounting bracket and cable for any signs of wear, damage, or loosening. Ensure the cable connection to the camera remains secure.
- **Obstructions:** Trim any nearby foliage or remove new obstructions that may begin to shade the panel.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not charging	<ul style="list-style-type: none">◦ Insufficient sunlight◦ Panel surface is dirty◦ Loose cable connection◦ Incompatible camera◦ Damaged cable or panel	<ul style="list-style-type: none">◦ Relocate panel to a sunnier spot.◦ Clean the panel surface.◦ Ensure cable is securely plugged into both panel and camera.◦ Verify camera requires 5V USB-B input and is rechargeable.◦ Contact customer support if damage is suspected.
Panel appears damaged	<ul style="list-style-type: none">◦ Physical impact◦ Extreme weather exposure	<ul style="list-style-type: none">◦ Discontinue use and contact customer support.

SPECIFICATIONS

Model Number	SU-WA004-SP-Only
Power Output	3.3W
Output Port	USB-B
Material	Monocrystalline Silicon
Cable Length	9.8 ft (3 m)
Dimensions (L x W x H)	3.9 x 3 x 0.4 inches (Panel only)
Item Weight	12.3 ounces
Weatherproof Rating	IP65
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Batteries Required	No (Powers camera's internal battery)



Image: A detailed diagram illustrating the dimensions of the solar panel and mounting bracket, along with the Micro USB port and included screws.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Sense-U website or contact Sense-U customer service directly. Keep your purchase receipt as proof of purchase.

Sense-U Customer Service: Please visit www.sense-u.com/support for contact details and FAQs.