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› SENCKIT Solar Motion Sensor Alarm Outdoor User Manual - Model: Solar Alarm

SENCKIT solar alarm

SENCKIT Solar Motion Sensor Alarm Outdoor Instruction Manual

Model: Solar Alarm

1. INTRODUCTION

The SENCKIT Solar Motion Sensor Alarm Outdoor is a security device designed to detect movement and deter potential intruders using a combination of loud sounds and flashing lights. This device is suitable for various outdoor applications, including homes, villas, farms, barns, and yards, providing an additional layer of security.



Image 1.1: Front view of the SENCKIT Solar Motion Sensor Alarm Outdoor, showcasing its red casing, solar panel, speaker grille, and motion sensor.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x SENCKIT Solar Motion Sensor Alarm Outdoor
- 1 x USB Charging Cable
- 1 x Installation Kit (screws and wall anchors)

3. SPECIFICATIONS

Feature	Detail
Solar Panel	5*80mA Mono-silicon panel
LED Lights	6 pcs LED
Battery	3.7V 400mAH battery
Charging Mode	Solar energy / DC charge (USB)
Solar Charge Time	>8 hours (direct sunlight)
DC Charge Time	≤1 hour (DC5V ≤1A)
Alarm Volume	129db (Dog barking & gunshot sound)
Waterproof Rating	IP55
Control Method	Touch (via switch key)
Maximum Range	8 meters
Sensor Technology	Motion Sensor
Item Weight	4.5 ounces
Product Dimensions	3.55 x 3.15 x 1.95 inches
Power Source	Battery Powered, Solar Powered
Compatible Devices	Motion Detector
Voltage	5 Volts

4. SETUP AND INSTALLATION

4.1 Initial Charging

Before first use, it is recommended to fully charge the device using the provided USB cable. Connect the USB cable to the DC charging port on the back of the alarm and plug it into a 5V USB power adapter (not included). A full charge via USB typically takes about 1 hour.

4.2 Location Selection

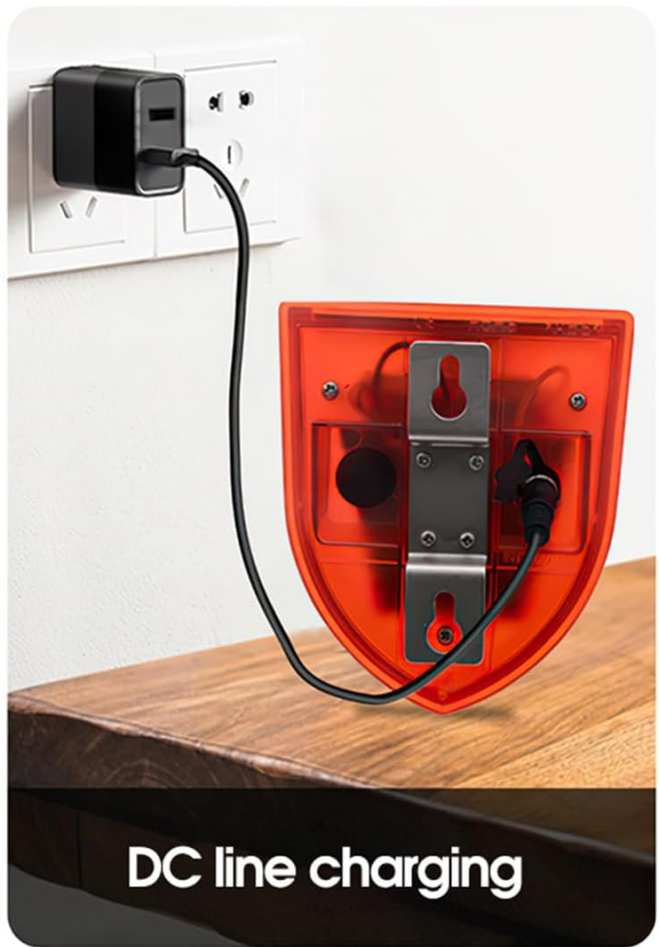
Choose an installation location that receives ample direct sunlight throughout the day to ensure efficient solar charging. The location should also provide an unobstructed view for the motion sensor to cover the desired area.

TWO CHARGING MODES

Solar charging / DC charging



Solar charging



DC line charging

Image 4.1: Illustration of the two charging methods: solar charging via the top panel and DC charging via the USB port on the back.

4.3 Mounting the Device

The alarm can be mounted using the screw holes on the back for wall installation or secured with an iron wire. Ensure the device is mounted securely at a height that allows for optimal motion detection, typically less than 4 meters, with a sensing distance of 5-8 meters.

1. **Wall Mounting:** Use the provided installation kit (screws and wall anchors) to securely attach the alarm to a wall or sturdy surface.
2. **Wire Binding:** For temporary or alternative installations, the device can be bound with an iron wire through the designated slots.

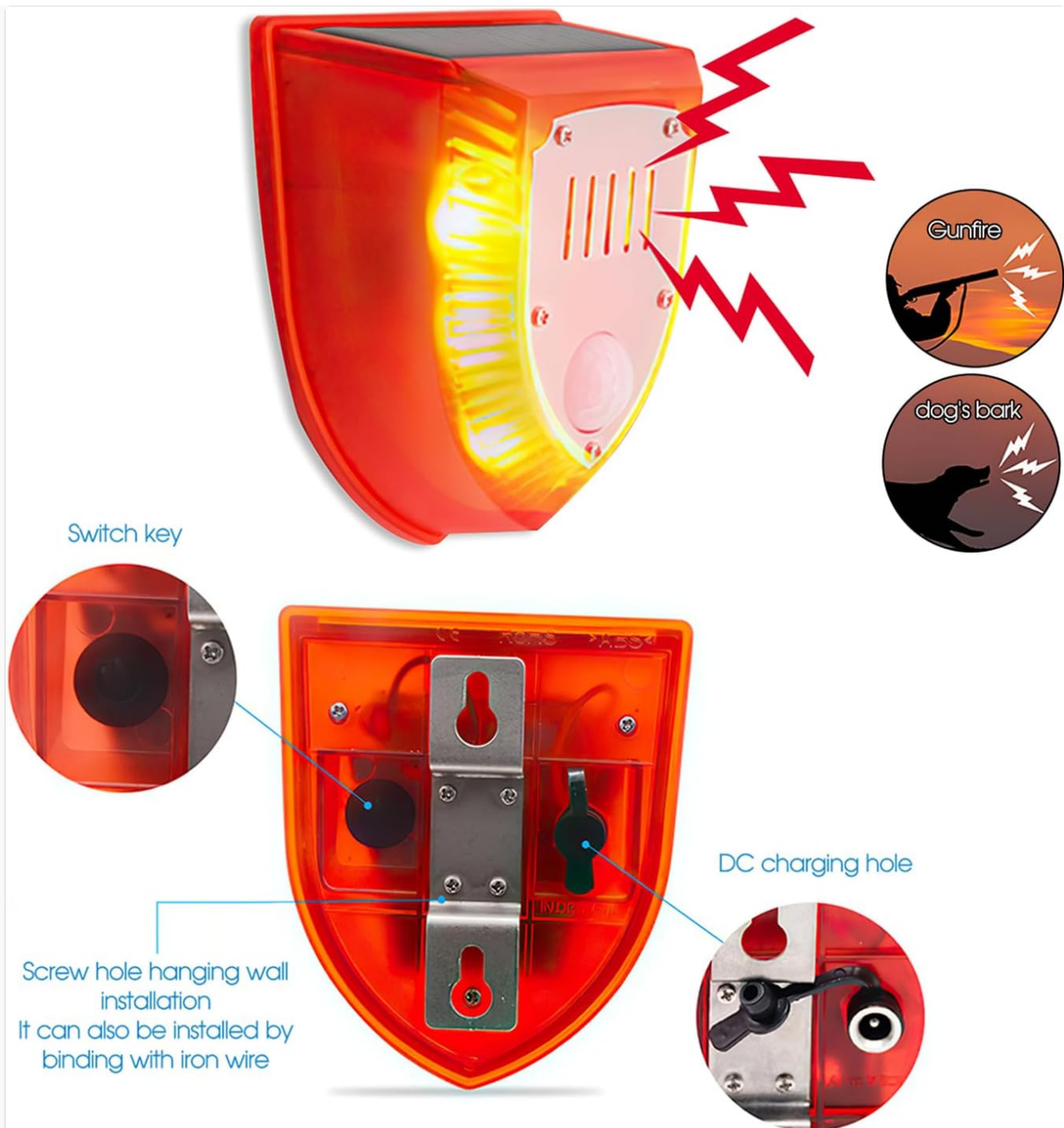


Image 4.2: Rear view of the alarm, highlighting the switch key, DC charging port, and mounting screw holes for installation.

5. OPERATING MODES

The SENCKIT Solar Motion Sensor Alarm features three distinct operating modes, selectable via the switch key located on the back of the device. Press the switch key to cycle through the modes.

- Mode 1: 24-Hour Detection (Dog Barking & Gunshot & Flashing)**
 In this mode, the alarm will activate with dog barking sounds, gunshot sounds, and flashing lights whenever motion is detected, regardless of the time of day.
- Mode 2: Night-Time Detection (Dog Barking & Gunshot & Flashing)**
 This mode enables the alarm to activate with dog barking sounds, gunshot sounds, and flashing lights only when motion is detected during nighttime hours.
- Mode 3: Night-Time Cyclic Flash & Alarm Sound (Automatic)**
 In this mode, the device will automatically flash and emit an alarm sound every 5 minutes during nighttime, even

without motion detection, providing a continuous deterrent.



Image 5.1: The alarm in action, illustrating its ability to detect movement and activate its deterrent features, including flashing lights and sound.

WIDE SENSING RANGE

Installation height < 4m 5-8m sensing distance

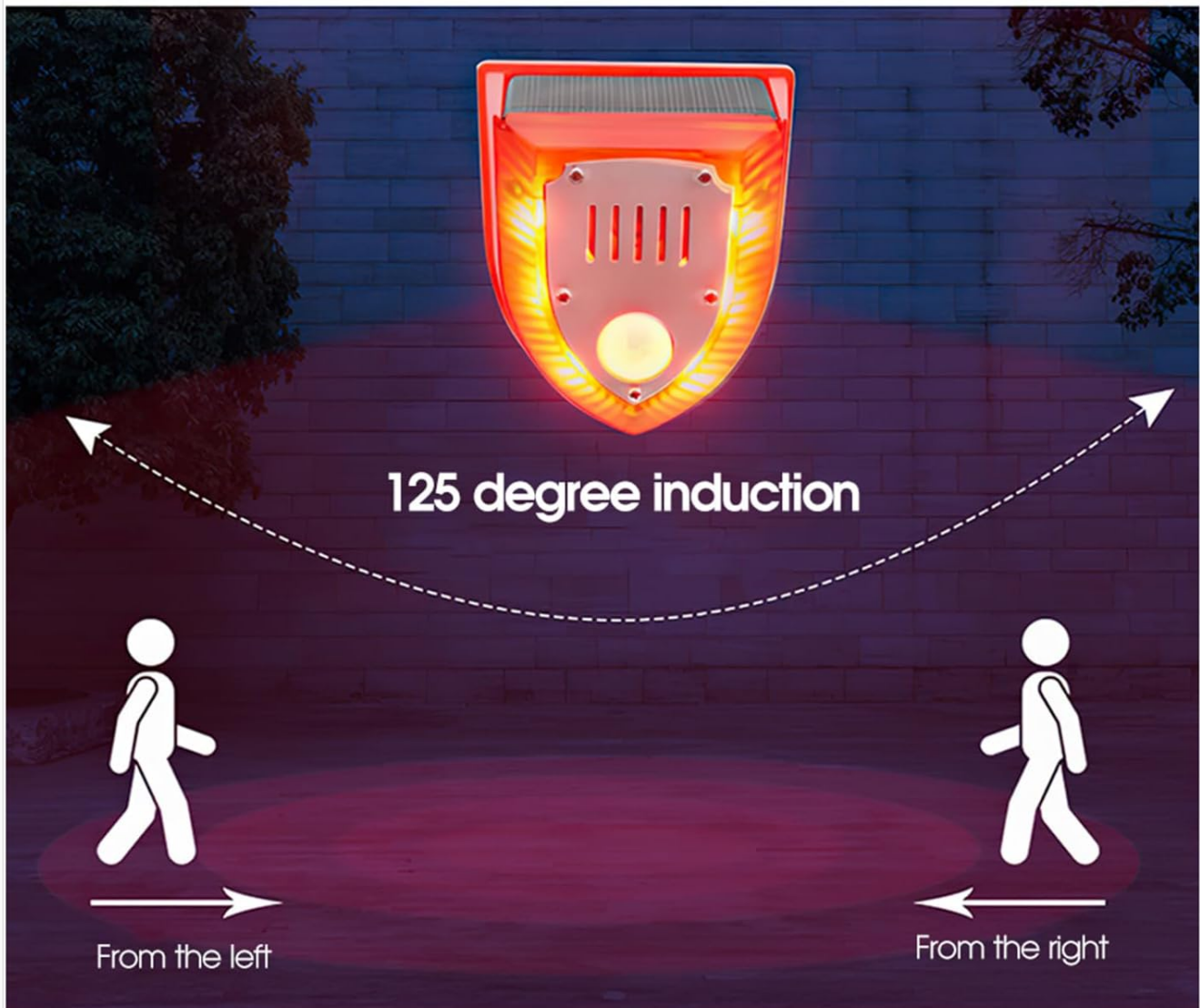


Image 5.2: A visual representation of the alarm's wide sensing range, featuring a 125-degree induction angle and a detection distance of 5-8 meters.

6. CHARGING

The SENCKIT Solar Motion Sensor Alarm supports two charging methods to ensure continuous operation:

- **Solar Charging:** The integrated solar panel charges the internal battery when exposed to direct sunlight. For optimal performance, ensure the solar panel is clean and free from obstructions.
- **USB Charging:** In periods of low sunlight or for faster charging, the device can be charged via the USB cable. Connect the cable to the DC charging port and a 5V USB power source.

7. MAINTENANCE

To ensure the longevity and optimal performance of your SENCKIT Solar Motion Sensor Alarm, follow these maintenance guidelines:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris that may

hinder charging efficiency.

- **Check for Obstructions:** Periodically inspect the motion sensor and surrounding area for any new obstructions (e.g., overgrown plants) that might block the sensor's field of view.
- **Secure Mounting:** Ensure the device remains securely mounted to prevent accidental falls or damage.
- **Waterproof Integrity:** While the device is IP55 waterproof, avoid submerging it in water or exposing it to high-pressure water jets.

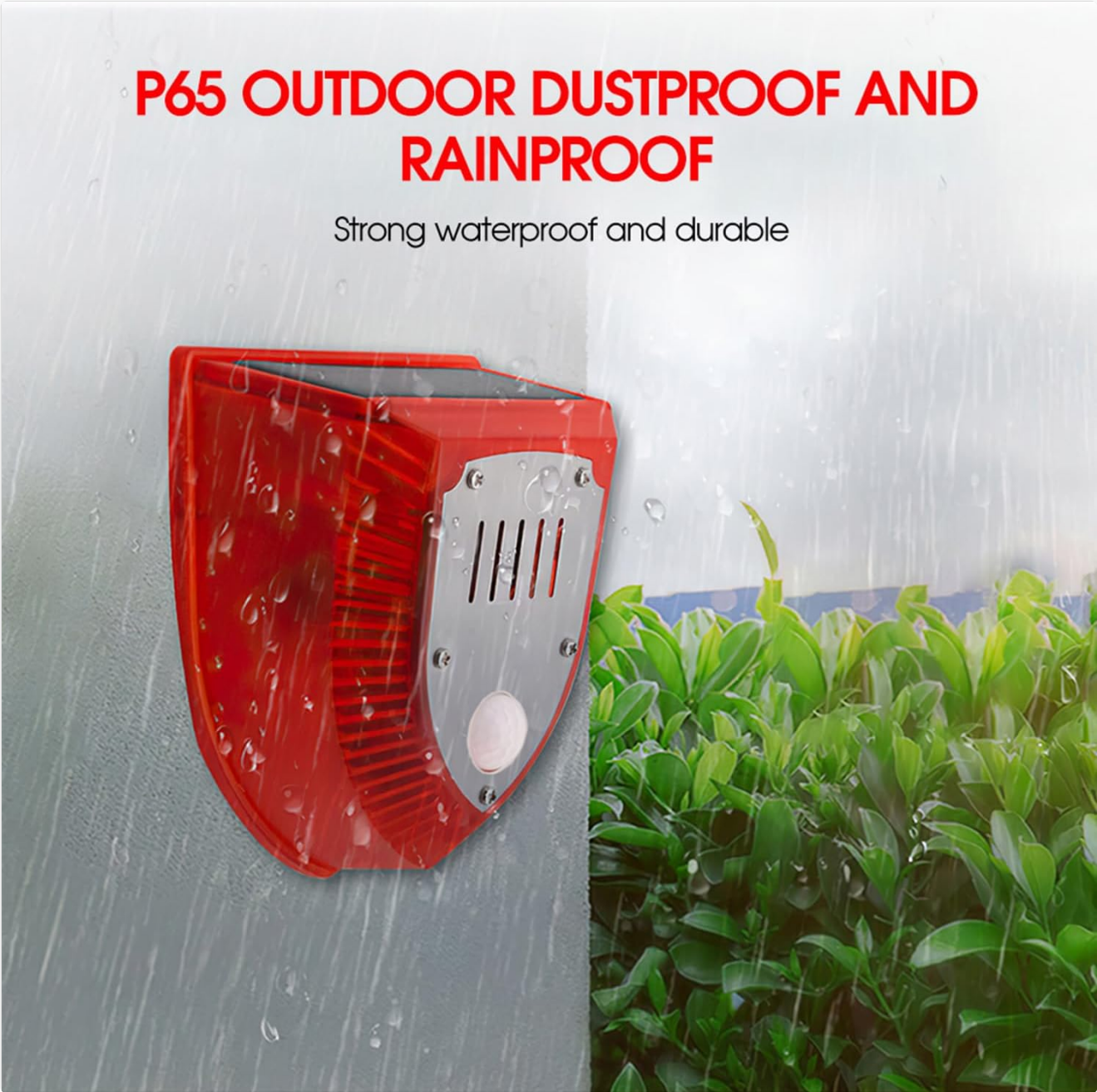


Image 7.1: The alarm operating outdoors during rainfall, illustrating its IP55 dustproof and rainproof capabilities.

8. TROUBLESHOOTING

If you encounter issues with your SENCKIT Solar Motion Sensor Alarm, refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Alarm not activating	Low battery charge Incorrect mode setting Motion sensor obstructed	Charge the device via USB or ensure sufficient solar exposure. Press the switch key to select the desired operating mode. Clear any obstructions from the motion sensor's view.
Device not charging via solar	Insufficient sunlight Solar panel is dirty	Relocate the device to an area with more direct sunlight. Clean the solar panel surface.
False alarms	Movement from trees/bushes Small animals Strong winds	Adjust the device's angle or relocate it to minimize detection of non-threats. Consider using Mode 2 (Night-Time Detection) if false alarms occur during the day due to environmental factors.
Alarm sound is too low	Environmental factors (e.g., distance, background noise)	Ensure the device is placed in a strategic location where the 129db sound can be most effective. The volume is fixed and not adjustable.

9. WARRANTY AND SUPPORT

The SENCKIT Solar Motion Sensor Alarm Outdoor comes with a **24-month after-sales service**. For any inquiries or support needs, please contact customer service. We aim to respond to messages within 12 hours.

Security Siren Light for Home, Villa, Farm,Barn,Yard



Image 9.1: Examples of the alarm's application in different outdoor environments, including agricultural settings and residential properties.