Norvado IQ™
Northwoods Home Automation

INSTALLATION GUIDE

Indoor/Outdoor Battery Spotlight Camera

ADC-V731B



Set up, connect, and install your 4MP battery spotlight camera.

NORVADO IQ | NORTHWOODS HOME AUTOMATION

Equipment and app terminology follow the manufacturer's instructions.

Connection / Enrollment / Mounting / LED status / Solar charging

Manufacturer source: Alarm.com Knowledge Base • Updated September 22, 2026

01 / PRE-INSTALLATION

Before You Begin

Have the following ready before beginning setup.

- ADC-V731B camera (included)
- ADC Universal Battery Pack (included)
- Broadband Wi-Fi (2.4 or 5 GHz) via cable, DSL, or fiber-optic internet
- A computer, tablet, or smartphone with Wi-Fi if the router does not support Wi-Fi Protected Setup (WPS)

COMPATIBILITY NOTICE

Alarm.com does not support third-party solar panels for use with Alarm.com cameras.

The Alarm.com Solar Panel (ADC-VACC-SP4W) and ADC-V731B are designed to be used together to ensure a weatherproof connection.

What's Included in the Box

- ADC-V731B camera
- ADC Universal Battery Pack
- USB-C cable
- Installation card
- Wall mount
- Wall plate
- Wall anchors & screws (x2)

IMPORTANT

If the status LED indicates 20% state of charge or lower upon unboxing (solid blue while not charging), charge the device before installation to help avoid interruption.

If the battery is below 10%, installation cannot begin until the charge level rises above 10%.

01 / PRE-INSTALLATION

Power Up & Pairing Mode

Before network setup, unbox the unit and remove all included components from the packaging.

To remove the battery pack: press the oval button on the bottom of the device to release the housing, set the back housing aside, then press the black notch at the bottom of the battery pack and slide the pack downward.

To reinsert the battery pack: remove any protective film, align the battery pack with the cradle, and slide it back into place until the notch clicks securely.

When the device turns on, the LED first blinks red to indicate booting. If the device is new or not already associated with a network, it should then blink white to show pairing mode.

If the LED does not blink white, press and hold the multi-purpose button on the side of the device (accessible after removing the housing) for about 3 seconds, then release when the LED begins blinking white.

CONNECTION OPTIONS

The ADC-V731B can connect to Wi-Fi using Bluetooth Enrollment (BLE), Access Point (AP), or Wi-Fi Protected Setup (WPS).

BLE is the recommended connection method. AP mode is the next best option if BLE is not possible. Some internet providers disable WPS on customer routers.

02 / NETWORK SETUP

Connect to Wi-Fi

To ensure a sufficient Wi-Fi signal, complete the following steps with the camera near its final location before mounting.

BLE MODE — RECOMMENDED

BLE mode requires hardware version 0401+ and firmware version 7.2.3+.

The hardware and firmware versions are printed on the outside of the box. The hardware version is also printed on the camera under the battery pack.

1. Power on the device and verify the LED is flashing white. If necessary, hold the button until the status LED starts blinking white.
2. Log in to the MobileTech app and find the customer account.
3. Tap Add Device, then Video Devices and Chimes.
4. In Bluetooth Enrollment, enable Bluetooth if prompted, verify the camera MAC address, and select the camera.
5. Keep your phone near the camera while it connects. Enter a Device Name when prompted.
6. Select the Wi-Fi network: choose a known network under My Wi-Fi Networks or select Other Networks, enter the password, and tap Connect.
7. Allow a few minutes for the camera to connect. When the installation on the customer account completes, verify proper operation.

02 / NETWORK SETUP

BLE Setup — Customer App

Devices can also be connected via BLE mode using the Customer app. Additional troubleshooting prompts may appear during the process.

1. Log in to the Customer app.
2. Tap More, then Add Device.
3. Tap Video Camera. Find the ADC-V731B by scrolling or using the Find Device search bar.
4. Enter a Device Name and tap Next. Confirm the camera LED is flashing white. If not, hold the button until it blinks white.
5. If prompted, allow Bluetooth access and tap Next. Bring the mobile device close to the camera and tap Scan.
6. Select the camera, verify the MAC address matches the device label, and tap Connect.
7. Choose a Wi-Fi network, enter the password if needed, and tap Connect. Allow the device a few minutes to connect and finish installation.

ENROLLMENT NOTE

Partners can also enroll the camera to the customer account using the MobileTech app, Customer website, or Customer app after network connection is complete.

03 / ACCOUNT SETUP

Alternate Setup & Enrollment

If BLE is not possible, use one of the following alternate setup methods.

Access Point (AP) Mode

1. Power on the camera and wait for the LED to blink white.
2. On another internet-enabled device, join the camera's temporary Wi-Fi network and follow the on-screen setup prompts.
3. Select the customer Wi-Fi network, enter the password, and allow the camera to connect. The LED briefly turns red, then blinks green, and becomes solid green when connected.

Wi-Fi Protected Setup (WPS) Mode

1. Connect the camera to power and wait until startup completes.
2. Press and hold the multi-purpose button until the LED blinks blue (about 6 seconds), then release.
3. Activate WPS on the router. A solid green LED confirms that the connection is complete.

Enroll the Camera to the Account

1. In MobileTech, open the customer account and tap Add Device > Video Devices and Chimes.
2. Enter the MAC address from the device or packaging, tap Add, name the device, and follow the prompts.
3. The camera can also be enrolled using the Customer website at www.alarm.com/addcamera or through the Customer app.

04 / PHYSICAL INSTALLATION

Mount the Camera

The ADC-V731B features standard 1/4-inch tripod screw threading and is compatible with a range of mounting options. A wall plate and wall mount are included for flush-surface mounting.

CAMERA MOUNTING BEST PRACTICES

- Mounting height: approximately 8 feet (2.5 meters) high for best motion detection.
- Camera angle: tilt downward about 15°.
- Approach path: avoid head-on movement when possible and position the camera so common paths cross the field of view.
- Moving objects: avoid swaying trees and similar motion sources that can cause false triggers and quicker battery drain.

1. Verify signal strength at the installation location in the Customer app before mounting.
2. Mark and drill the mounting holes using the included mounting plate. For drywall, drill two 3/16-inch holes and insert the wall anchors. For wood, drill two 1/8-inch holes.
3. Attach the mounting plate using the included screws.
4. Align the mount with the plate and turn it until it clicks securely into place.
5. Attach the camera to the tripod screw. Optionally install the small security screw to help prevent the camera and rear housing from separating.
6. Adjust the camera angle by loosening the collar, repositioning the ball joint, and tightening the collar again once the camera is aimed correctly.

05 / LED REFERENCE

Know the Status Lights

After installation, you can configure Video Analytics rules as desired. During setup you may be prompted to perform a Walk Test and review the Motion Sensitivity setting.

1. Tap Begin Walk Test.
2. Slowly walk through the desired monitoring area under typical lighting and environmental conditions.
3. The camera LED flashes green when motion is detected.
4. Adjust the sensitivity slider until the camera reliably detects movement across the target area, then tap Save Settings.

LED Reference Guide

LED pattern	Description
Off	Power off or standby
Solid green	Connected to Alarm.com
Blinking green	Local network connection
Blinking red	Power on; camera booting
Solid red	No local or internet connection
Solid blue	Low battery
Blinking white	Wi-Fi Access Point and Bluetooth Network Association modes (hold 3–6 seconds)
Blinking blue	WPS mode (hold 6–9 seconds)
Blinking yellow	Power cycling (hold 9–12 seconds)
Blinking red & green	Reverting to factory settings (hold 12–15 seconds)
Blinking green & blue	Firmware updating
Blinking red & blue	Perimeter Guard camera light alert activation

06 / POWER & CHARGING

Battery and Solar Charging

Charging

IN-UNIT CHARGING

Blinking yellow and green: charging.

Blinking yellow and blue: charging failed.

Solid green: charged and connected to Alarm.com.

BATTERY PACK CHARGING

Solid red: charging.

Blinking red and blue: charging failed.

Solid blue: charged and connected to Alarm.com.

OPTIONAL SOLAR PANEL ACCESSORY

The ADC-VACC-SP4W Solar Panel Accessory uses the camera's USB-C connection point and is designed to maintain a weatherproof connection with the ADC-V731B.

Complete the camera enrollment first, then install the solar panel within 9 feet of the camera in a location with at least 3 hours of direct sunlight per day.

- For the Northern Hemisphere, face the solar panel south and tilt it to roughly 45 degrees.
- For the Southern Hemisphere, face the panel north and tilt it to roughly 45 degrees.
- After installation, verify in the Partner Portal, MobileTech app, Customer website, or Customer app that the camera is charging.

06 / POWER & CHARGING

Battery Status & Maintenance

Maximizing Battery Life

- The camera will only charge when its battery is within a safe temperature range of approximately 32°F to 113°F (0°C to 45°C).
- The camera enters a low-power mode until the PIR sensor detects motion. The more triggers that occur, the faster the battery will be consumed.
- When using the solar charging solution, tune motion triggers to eliminate as many false positives as possible.
- Review the physical installation location periodically to confirm the solar panel is still aimed correctly and clear of debris or shadows.

View Battery Status History

1. In Partner Portal, open the customer account, click Equipment, then Video Devices. Select the desired camera and click View under Battery Status History.
2. In the Customer website, log in, click Video, then Settings, select the camera, and click Battery Status.
3. In the Customer app, open the camera settings and battery status screens to review current battery usage and charging behavior.

ENVIRONMENTAL SPECIFICATIONS

Operating temperature: -4°F to 113°F (-20°C to 45°C)

Ingress protection: IP65

07 / SUPPORT

Troubleshooting & Safety

Troubleshooting

1. If you have issues connecting the camera to the account, power cycle the camera and try again.
2. If issues persist, reset the camera to factory defaults by holding the multi-purpose button until the LED flashes green and red (about 12 seconds), then release the button.
3. After a factory reset, the camera must also be deleted from the customer account and re-enrolled.

BATTERY CAUTION

Risk of fire, explosion, or burn. Do not short circuit, crush, heat above 60°C, incinerate, or disassemble the battery.

Use only the ADC-VACC-BAT-2LIB battery.

For outdoor charging, use the ADC-VACC-SP4W solar panel or the USB-C cable included in the camera packaging.

For indoor charging, use a certified or approved power source and a 20W USB-C cable capable of 12 VDC output.

Regulatory Notices

The following notices, specifications, certification information, and manufacturer contact details are reproduced or closely reformatted from the Alarm.com ADC-V731B installation guide. Norvado branding does not change the device manufacturer or its regulatory certifications.

08 / MANUFACTURER INFORMATION

Regulatory Notices

FCC Part 15 — Short Statement

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Part 15 — Long Statement

- 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.
- If this equipment causes harmful interference to radio or television reception, users are encouraged to reorient or relocate the receiving antenna, increase separation between the equipment and receiver, connect the equipment to a different circuit, or consult a qualified technician.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure / FCC ID

This equipment complies with FCC and ISED radiation exposure limits for an uncontrolled environment and should be installed and operated with a minimum distance of 20 cm between the equipment and your body. FCC ID: YL6-143V731B.

ISED Statements

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the conditions that the device may not cause interference and must accept any interference, including interference that may cause undesired operation. The device operating in the 5150–5250 MHz band is intended for indoor use only.

08 / MANUFACTURER INFORMATION

International Certifications

Mexico IFT / CRT

IFT #: JOALAD26-010566. Operation of this equipment is subject to the condition that it may not cause harmful interference and must accept any interference, including interference that may cause undesired operation.

EU Declaration of Conformity

Alarm.com Incorporated declares that the equipment type ADC-V731B is in compliance with Directive 2014/53/EU. The full declaration is available at: https://www.alarm.com/about/international/eu-red

Chile SUBTEL — Commercial Information

- Commercial Name: Cámara con batería de 4 MP para interiores/exteriores con audio bidireccional y foco integrado
- Manufacturer: Alarm.com Incorporated
- Chile Representative: Asesorías Hernández y Grimberg Limitada — Certificación Telecom
- Representative Address: Moneda 920, Apt. 305, Santiago, Chile
- Representative Email: contacto@certificacion-telecom.cl
- Manufacturer Website: www.alarm.com

Technical Summary

- Equipment Type: Cámara de Seguridad
- Brand: ALARM.COM
- Model: ADC-V731B
- Technology: WLAN 2.4 GHz, WLAN 5 GHz, and BLE 2.4 GHz
- Certificate Number: DO 122.035/F14

09 / REFERENCE

Manufacturer & Sources

Manufacturer Contact

Alarm.com Incorporated
8281 Greensboro Drive, Suite 100
Tysons, Virginia 22102, USA

CALIFORNIA PROPOSITION 65

WARNING: Cancer and Reproductive Harm — www.P65Warnings.ca.gov

Original Knowledge Base Source

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Additional Resource

Alarm.com Academy Online offers manufacturer training courses for partners on computers and mobile devices.

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