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> Arlo Ultra VMS5140-100NAS 4K UHD Wire-Free Security Camera System User Manual

Arlo VMS5140-100NAS

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1. PRODUCT OVERVIEW

The Arlo Ultra VMS5140-100NAS is a 4K UHD wire-free security camera system designed to provide advanced video and audio quality for home or business monitoring. This system offers ultimate peace of mind with its easy installation and wide-angle view capabilities. The camera features 4K resolution for detailed viewing, enhanced color night vision, an integrated spotlight, and two-way audio with noise cancellation.



Figure 1: Arlo Ultra 1 Camera System

Key Features:

- **4K UHD and HDR Video Quality:** Records in 4K Ultra High Definition (UHD) with High Dynamic Range (HDR) for sharp, detailed video, allowing for clear digital zoom.
- **180-Degree Diagonal Field of View:** Captures a wide area with automatic image correction to minimize fisheye distortion.
- **Enhanced Color Night Vision:** Provides full-color video even at night, utilizing high-powered infrared LEDs (850nm) with an IR Cut Filter.
- **Integrated Spotlight:** Illuminates the area to enhance visibility and deter unwanted activity.
- **Two-Way Audio with Noise Cancellation:** Enables clear two-way conversations with advanced noise-canceling technology.
- **Wire-Free and Weather-Resistant Design:** Designed for flexible, wire-free installation and suitable for outdoor use in various weather conditions (operating temperature: -20°C to 60°C).
- **Auto Zoom and Tracking:** Automatically focuses on and tracks moving objects for detailed footage.
- **Smart Home Integration:** Compatible with Amazon Alexa and Apple HomeKit.
- **Arlo Smart Premier Service:** Includes a 1-year subscription with features like rolling 30-day cloud recordings, advanced object detection (person, package, vehicle, animal), activity zones, and E911 services.

2. WHAT'S IN THE BOX

Your Arlo Ultra 1 Camera System package includes the following components:

- 1 Arlo Ultra Camera
- 1 Rechargeable battery
- 1 Power adapter
- 1 Magnetic charging cable
- 1 Ethernet cable
- 1 Wall mount
- 1 Wall mount screw set
- 1 Quick start guide
- 1 Video monitoring decal
- 1 SmartHub

3. SETUP INSTRUCTIONS

Follow these steps to set up your Arlo Ultra 4K UHD Wire-Free Security Camera System:

1. **Select Your Device:** Begin by selecting your Arlo Ultra device within the Arlo application.
2. **Connect SmartHub:** Plug the Ethernet cable into your router and connect it to the Arlo SmartHub. Power up the SmartHub. The SmartHub will automatically search for and connect to your Arlo devices.
3. **Name SmartHub:** You will be prompted to assign a name to your Arlo SmartHub.
4. **Firmware Update:** After naming, the SmartHub will check for and automatically update its firmware.
5. **Insert Camera Battery:** Remove the cover from the back of the camera and insert the rechargeable battery with the Arlo logo facing upwards.
6. **Connect Camera:** With the battery inserted, the SmartHub will automatically detect the camera. Select the serial number of the camera you wish to place.
7. **Name Camera:** Assign a name to your camera. Repeat this step for any additional cameras you are installing.
8. **Mount Camera:** Choose an unobstructed location with a clear vantage point and a strong signal. Position the camera on the provided mount to utilize the 180-degree view. The kit includes all necessary mounting hardware, including a small screw spacer for a tight fit. If using the magnetic charging cable, you can place any extra wire in the mount to hide slack (optional).
9. **Arlo Smart Activation:** The system includes a 1-year subscription to Arlo Smart Premier. This service offers features like person detection, E911 services, and cloud activity zones.
10. **E911 Setup (Optional):** To enable E911 services, add your address and phone number. This allows for instant direction of local emergency services to your camera's location with a single tap from the app.

Your browser does not support the video tag.

Video 1: Arlo Ultra 4K UHD Wire-Free Security Camera System Setup Guide. This video provides a visual walkthrough of the installation and initial setup process for the Arlo Ultra camera system, including connecting the SmartHub, inserting batteries, and mounting cameras.

4. OPERATING THE CAMERA SYSTEM

The Arlo Ultra camera system offers a range of advanced features for comprehensive security monitoring:

Video and Imaging:

- **4K UHD with HDR:** Experience superior image clarity with 4K resolution and High Dynamic Range, ensuring details are visible even in challenging lighting conditions.
- **180-Degree Panoramic View:** The wide-angle lens captures a broad perspective, reducing blind spots. Auto image correction minimizes fisheye effect.
- **Color Night Vision:** Unlike traditional black and white night vision, the Arlo Ultra provides full-color video at night, offering more detailed and identifiable footage.
- **Integrated Spotlight:** The built-in spotlight can be activated manually or automatically upon motion detection to illuminate the scene and deter intruders.
- **Auto Zoom and Tracking:** The camera intelligently zooms in and follows moving objects within its field of view, keeping the subject in focus.



Figure 2: Demonstrates 4K UHD and HDR capabilities with zoom.



Figure 3: Illustrates enhanced color night vision and integrated spotlight.

Audio and Communication:

- **Two-Way Audio:** Communicate directly with visitors or deter intruders using the built-in speaker and microphone.
- **Noise Cancellation:** Advanced technology filters out ambient noise, ensuring clear audio transmission during two-way conversations.

Smart Features (with Arlo Smart Premier subscription):

- **Advanced Object Detection:** The system can intelligently distinguish between people, vehicles, animals, and even packages, reducing false alerts.
- **Activity Zones:** Define specific areas within the camera's view to monitor for motion, receiving alerts only when activity occurs in these designated zones.
- **Rich Notifications:** Receive detailed notifications with images or video clips directly to your smartphone.
- **Built-in Siren:** Activate a loud siren remotely or automatically to deter intruders.
- **E911 Services:** Quickly connect to local emergency services with your camera's location information.

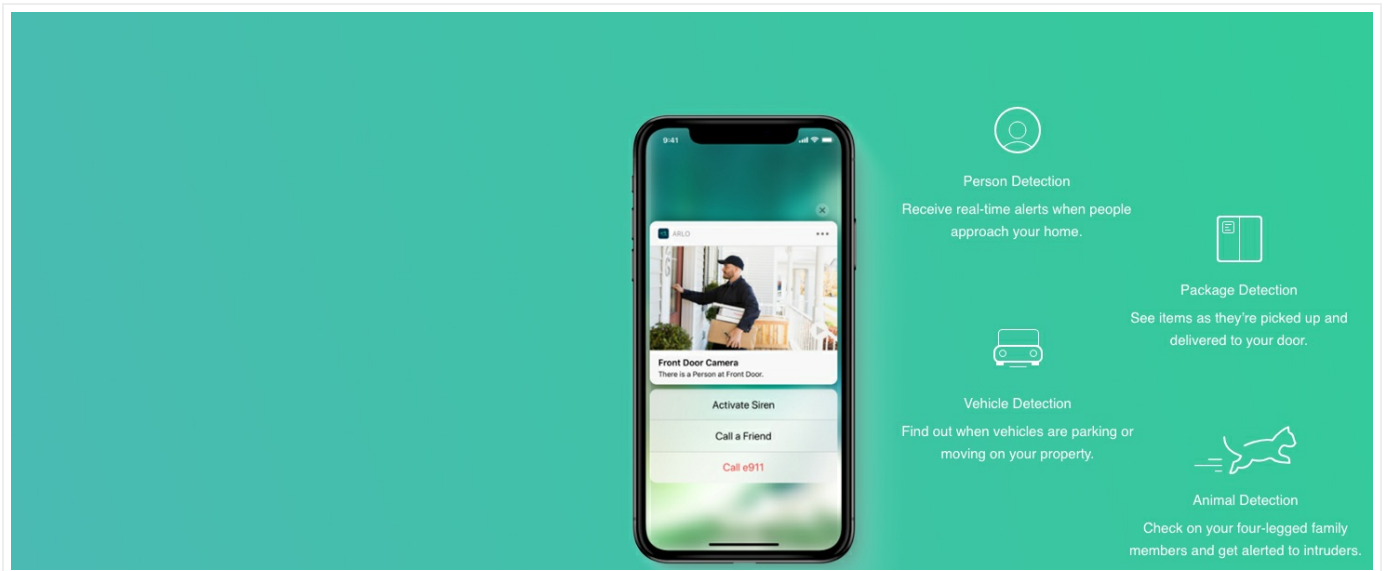


Figure 4: Depicts advanced object detection capabilities for people, packages, vehicles, and animals.

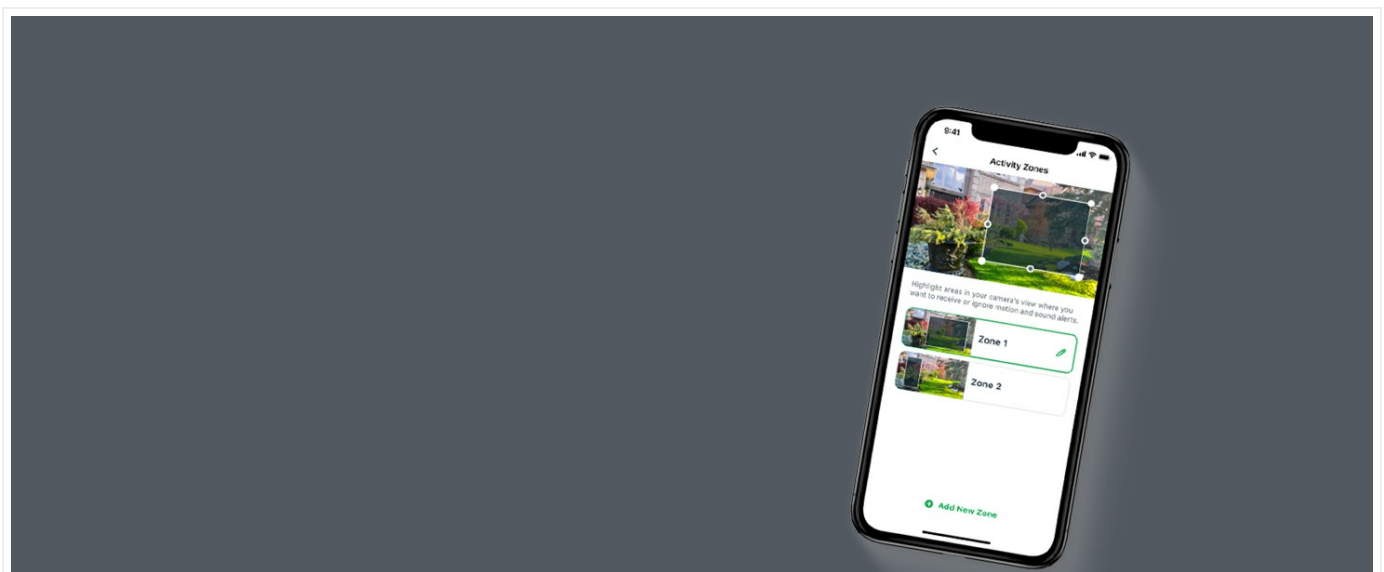


Figure 5: Shows how activity zones can be configured for specific monitoring areas.

5. MAINTENANCE

Battery Management:

The Arlo Ultra camera operates on a rechargeable battery. Ensure batteries are charged before initial setup and as needed. The modular design of the camera allows for easy battery replacement without accidental drops, thanks to a built-in catch mechanism.

Weather Resistance:

The camera is designed to be weather-resistant (IP65 rated) and can withstand various outdoor conditions. Periodically inspect the camera and its mounting for any signs of wear or damage, especially after severe weather events.

Cleaning:

Gently wipe the camera lens and body with a soft, damp cloth to remove dust or debris. Avoid using harsh chemicals or abrasive materials that could damage the camera's finish or lens.

6. TROUBLESHOOTING

If you encounter issues with your Arlo Ultra system, consider the following:

- **No Power/Camera Not Turning On:** Ensure the battery is fully charged and correctly inserted. Check the power adapter and connections for the SmartHub.
- **Poor Video Quality:** Verify the camera lens is clean and free from obstructions. Check the Wi-Fi signal strength between the camera and the SmartHub.
- **Connection Issues:** Ensure the SmartHub is connected to your router via Ethernet and powered on. Restart both the SmartHub and your router. Check the Arlo app for any system status alerts.
- **Motion Detection Not Working:** Review your activity zone settings and motion sensitivity in the Arlo app. Ensure the camera's view is not obstructed.
- **Audio Problems:** Check the microphone and speaker settings in the Arlo app. Ensure there are no physical obstructions blocking the microphone or speaker.
- **Firmware Updates:** Ensure your SmartHub and cameras have the latest firmware. Updates often resolve known issues.

For persistent issues, refer to the detailed troubleshooting guides available on the official Arlo support website or contact customer support.

7. SPECIFICATIONS

Feature	Specification
Recommended Uses For Product	Surveillance
Brand	Arlo
Model Name	VMS5140-100NAS
Connectivity Technology	Wireless
Special Feature	Motion Sensor, Night Vision
Indoor Outdoor Usage	Outdoor
Compatible Devices	Smartphone
Controller Type	Amazon Alexa, Vera
Mount Type	Wall Mount
Color	white
Form Factor	Dome
Upper Temperature Rating	60 Degrees Celsius
Alert Type	Audio Only
Light Source	Infrared
Waterproof Rating	IP65
Control Method	Voice
Connectivity Protocol	Wi-Fi

Feature	Specification
Wireless Technology	Wi-Fi
Video Capture Resolution	4k
Viewing Angle	180 Degrees
Focus Type	Auto Focus
Field Of View	180 Degrees
Zoom Type	Fixed
Zoom Ratio	Auto
Number of Items	1
Model Number	VMS5140-100NAS
Global Trade Identification Number	00606449134247
UPC	606449134247
Manufacturer	Arlo Technologies, Inc.
Power Source	Battery Powered
Are Batteries Required	Yes
Number of Channels	1
Video Capture Format	MPEG-4
Night Vision	Night Color
Item Dimensions	5 x 5 x 5 inches
Item Weight	0.7 Pounds
Unit Count	1 Count

8. WARRANTY AND SUPPORT

Manufacturer Warranty:

The Arlo Ultra VMS5140-100NAS comes with a **1-year U.S. manufacturer's warranty**.

Customer Support:

For technical assistance, product registration, or to access detailed user guides and FAQs, please visit the official Arlo support website. You can also find contact information for customer service on their website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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