

User Manual

VEEZOOM PoE Camera



About This Document

Purpose

This document describes how to use the web management system, including network access, network configuration, and troubleshooting.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

NOTE	Calls attention to important information, best practices and tips.
	NOTE is used to address information not related to personal injury, equipment damage, and environment deterioration.

Important Statement

This manual is only for reference and does not ensure that the information is totally consistent with the actual product. For consistency, see the actual product.

V1.0

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1 Camera Introduction

1.1 Device Overview

WS-N151HB/WS-N151BS: Boasting a high resolution of 2560x1920 with 5 million pixels, security IP camera can capture crystal clear video with fine details. With the built-in microphone, it also picks up ambient sound for an extra layer of security. 5MP is with a pixel resolution of 2560x1920, that is, nearly 2.4X the resolution of 1080p Full HD, and even 1.3X the resolution of 1440p. It sees your home security more clearly, with more details. Equip with on-device detection technology to discern people. With its accurate detection, you can keep a sharper eye on the true threats and release your mind from the bombardment of unnecessary notifications.

M NOTE

WS-N151HB/WS-N151BS: It works perfectly when connected to VEEZOOM 8-channel NVR.

V1.0

Camera Introduction User Manual

1.2 Device Interface



WS-N151BS



WS-N151HB

2 Setup and Installation

Power on PoE Cameras

You may power on VEEZOOM PoE cameras via PoE injector/switch or PoE NVR directly, or by using the power adapter.

Mode 1: Connect the camera to VEEZOOM NVR or third-party NVR that supports ONVIF protocol.

Mode 2: Connect the camera to power adapter and WiFi router. Please use a DC 12V 2A/1A power adapter.

Mode 3: Connect the camera to PoE injector/switch and WiFi router. Please make sure that the PoE injector/switch is 802.3af compliant (48V) and supports active mode.



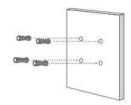
Install the Camera

User Manual

3 Install the Camera

Install the Camera

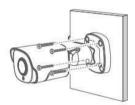
1 Drill holes in accordance with the mounting hole template.





Use the accessories included in the package to install the camera. The accessories vary with different cameras.

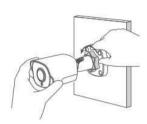
2 Install the mount base with the mounting screws included in the package.



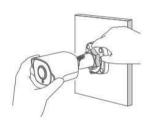
NOTE:

Run the cable through the cable notch on the mount base.

3 To get the best field of view, loosen the adjustment knob on security mount and turn the camera.



4 Stiffen the adjustment knob to lock the camera.



4

Set up PoE Cameras on Veezoompro APP

4.1 Download Veezoompro APP





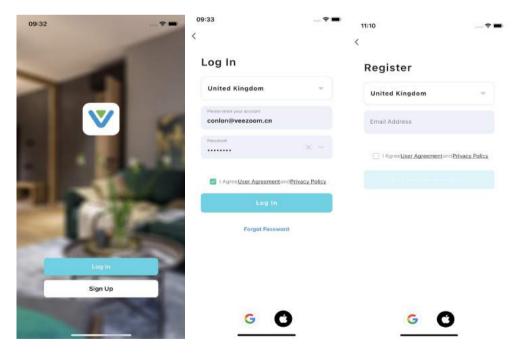
■ NOTE

There are two ways to set up the camera on Veezoompro APP: scan QR code on the camera and auto search.

4.2 Registered Account

You can follow up the steps below to register a Veezoompro Account.

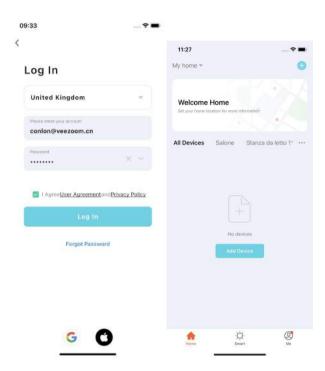
And enter your email address and password to sign up.



4.3 Account Login

Please check "I have read and agree to Terms & Conditions and Privacy Policy".

After that, you will receive a verification email. Once finished verifying the email, you can log into your Veezoompro Account.

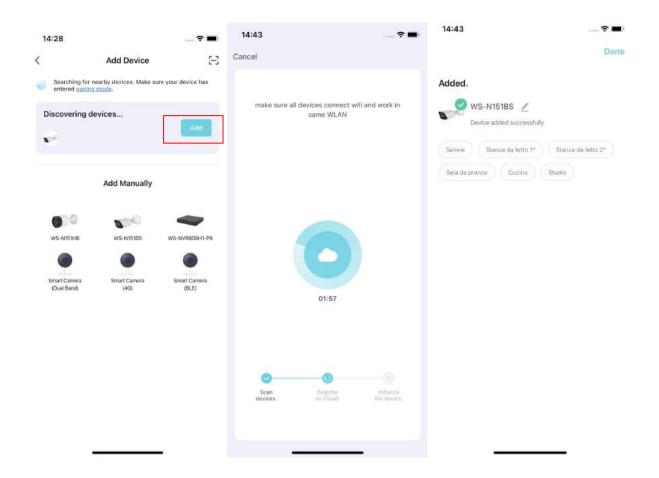


4.4 Add devices to APP

Mode 1: APP automatically discovers devices

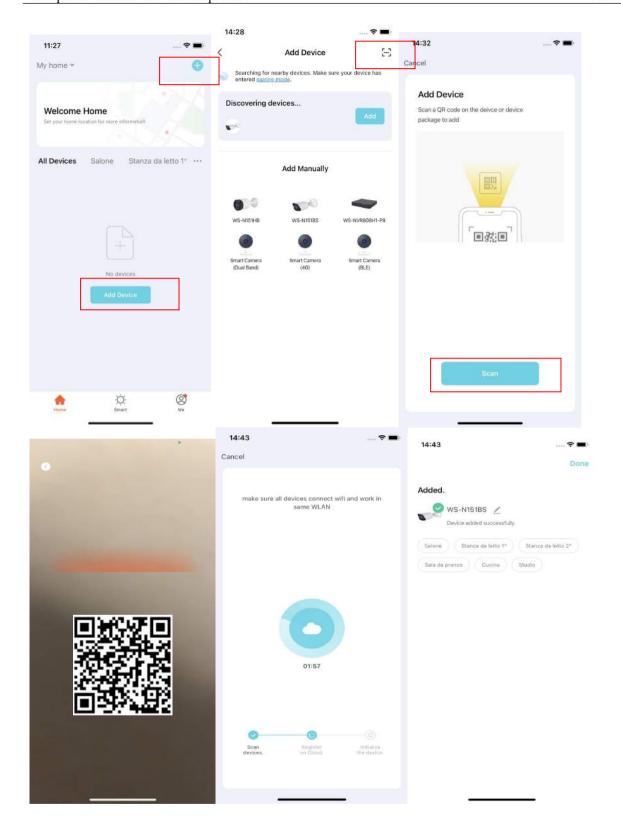
Add the camera in LAN

If you want to add the camera in LAN, we recommend that you enable the Add Devices Automatically option. Once your smart phone and camera are connected to the same network, the Veezoompro APP can find the VEEZOOM device automatically in LAN.



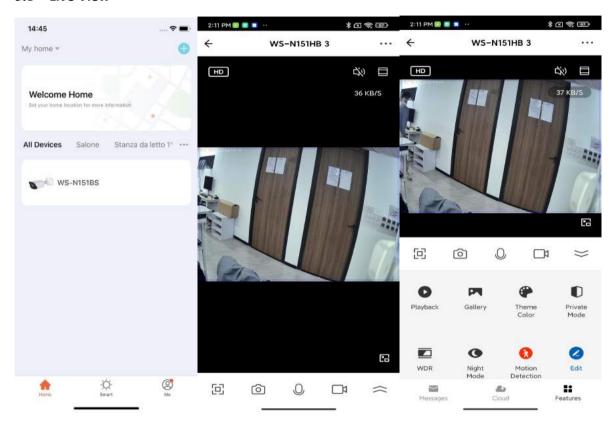
Mode 2: Scanning the Camera QR Code

Please click the add button on Veezoompro APP and scan the QR code on the camera body to add the camera.



5 View Your Camera

5.1 Live View



NOTE

The live view screen may vary for different models.

Icon	Meaning
WS-N151BS	Device name
	Return to main page
•••	Device configuration page entry
HD	HD/SD video stream switching
1 00	Audio monitor enable
	Screen mode switch
2	Screen suspension

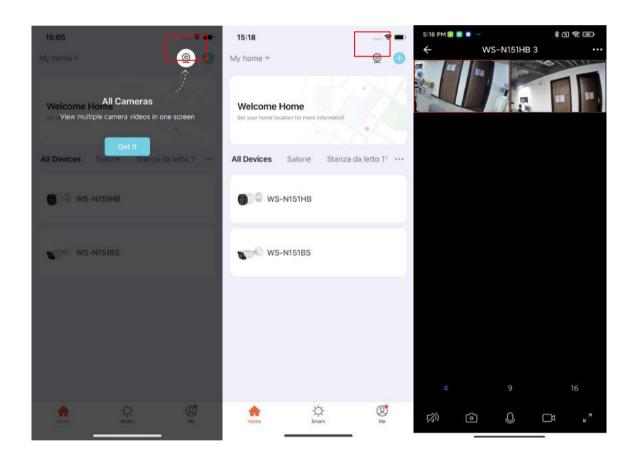
View Your Camera User Manual

	Full screen
(a)	Capture
0	Voice intercom
	Video recording

5.2 Display Settings

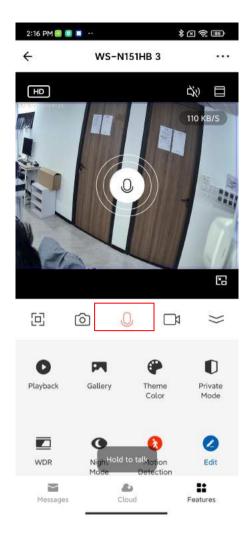
5.2.1 Multiple Views

If you have several cameras added in your Veezoompro APP, you can view multiple streams at the same time on Veezoompro APP.



5.2.2 Two-Way Audio

Click to talk, to enter into the two-way audio page.

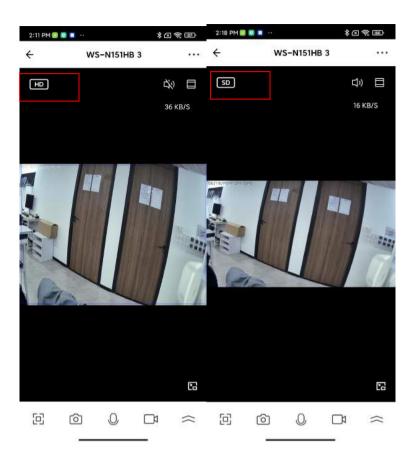


■ NOTE

Two-way audio is only available for WS-N151HB.

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5.2.3 HD/SD switching

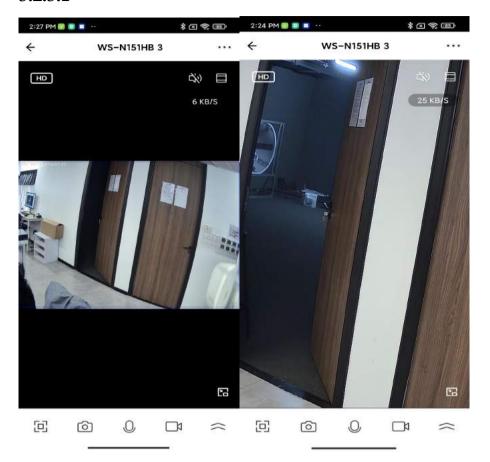


5.2.4 Audio monitoring - hear the audio input on the device side



5.2.5 Image size - switching between normal mode and full mode

5.2.5.1



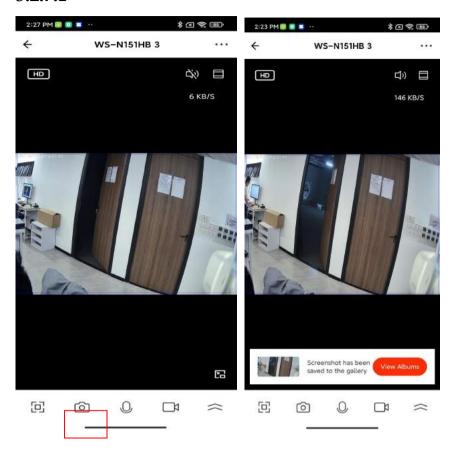
5.2.6 Full Screen - Live full screen playback



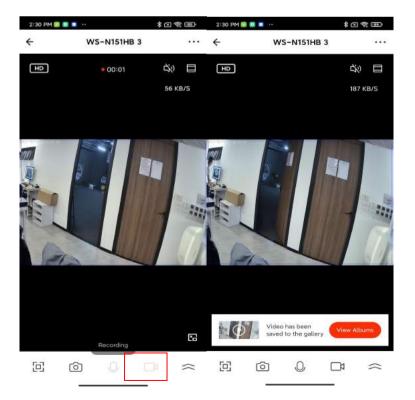
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5.2.7 Capture - capture a live frame to the local gallery

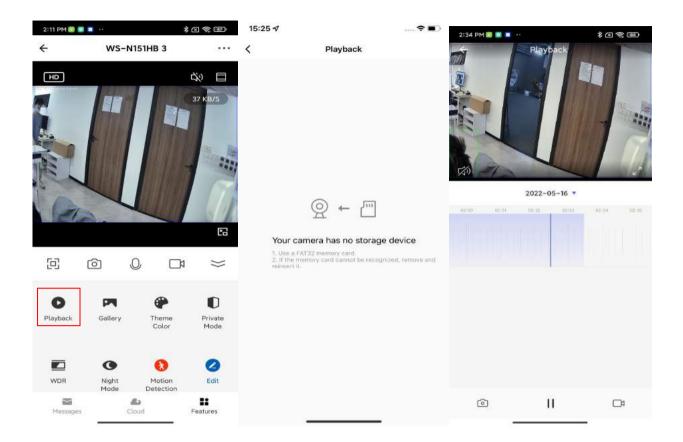
5.2.7.1



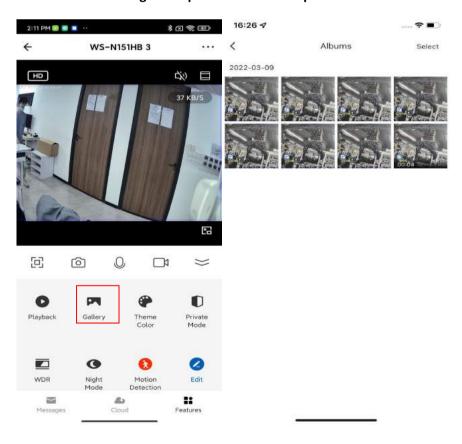
5.2.8 Video - record live one frame to the local gallery



5.2.9 Playback - Playback the video recorded in the Micro SD card of the camera

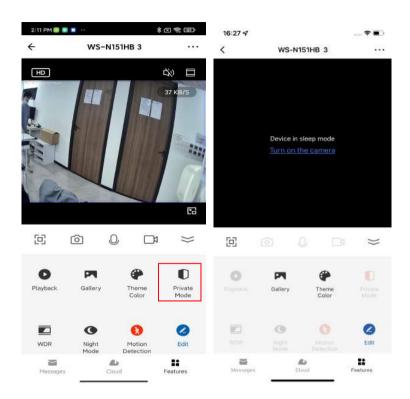


5.2.10 Local viewing - take pictures and video preview



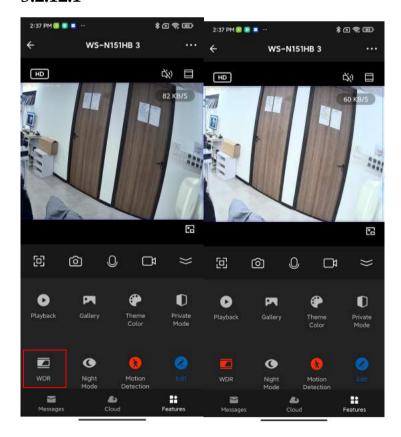
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5.2.11 Privacy Mode - Enable camera privacy mode - stop live video in this mode



5.2.12 WDR- turn on the wide dynamic function of the camera

5.2.12.1



M NOTE

It is recommended to enable it when there is a large difference in brightness between indoor and outdoor images in the monitoring area.

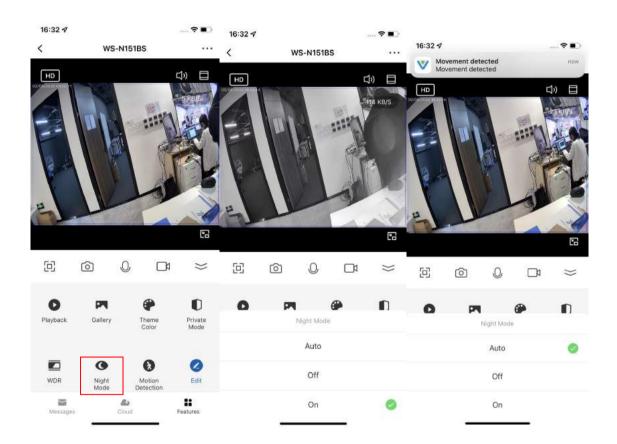
5.3 Lights and LED

5.3.1 infrared mode

Night Mode On: The infrared lights will turn on automatically and capture Black&White videos night and day.

Night Mode Off: The infrared lights will turn off and capture normal videos at daytime but nothing at night.

Night Mode Auto: The infrared lights will turn on at night, you can get normal videos during the daytime and Black&White videos at night.



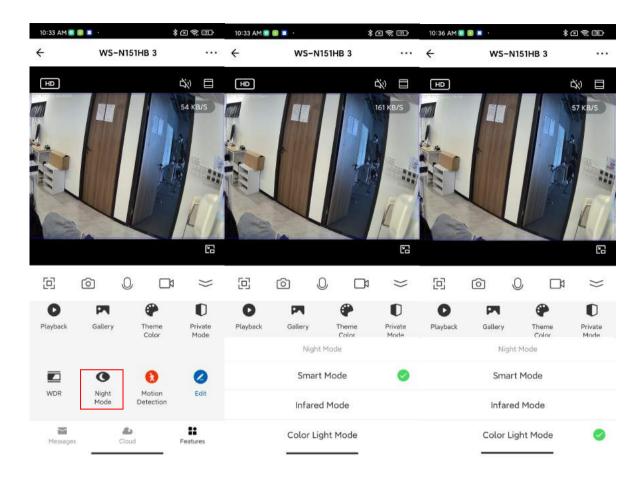
5.3.2 Night Mode

Smart Mode: The infrared lights will turn on without alarm(Black&White videos), while the spotlight turning on when detects human or motion detection and you can get the full color videos.

Infrared Mode: The infrared lights turn on and the spotlight turn off, you can get the Black&White videos all the night.

Color Light Mode: The infrared lights turn off and the spotlight turn on, you can get the full color videos all the night.

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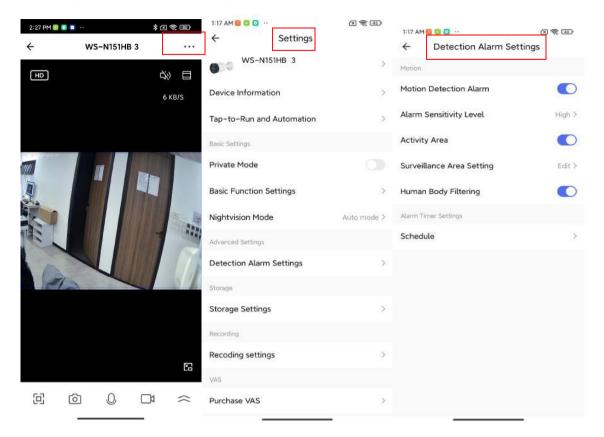
NOTE

The "Smart Mode" is only available for WS-N151HB.

5.4 Set up Motion Detection

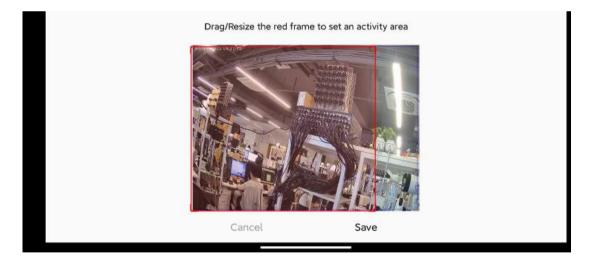
The VEEZOOM camera uses humanoid motion detection to test triggering alarms. Not affected by ambient brightness, leaves, mosquitoes, rain and snow.

5.4.1 Set humanoid Motion Detection



5.4.2 Detection Zone

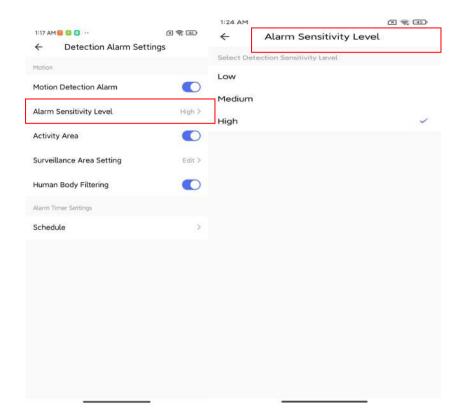
Detection Alarm > Activity Area> Create a zone over the area you want to receive alerts about.



5.4.3 Sensitivity

Sensitivity can be set for motion detection and smart detection.

View Your Camera User Manual



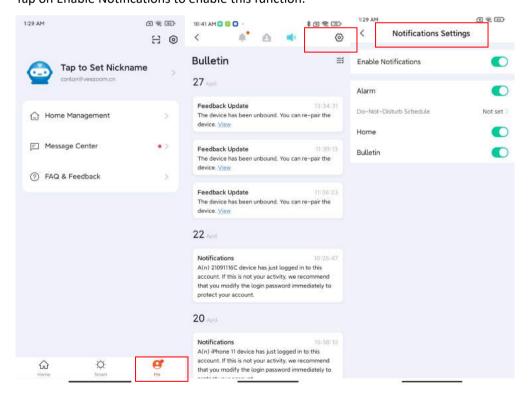
NOTE

Set the bar to adjust the sensitivity from low, mid to high. For the sensitivity of motion detection, You can also add sensitivity schedule.

5.4.4 Set up Motion Alerts

Push Notification

When the camera detects motion, it will send a push notification, which pops up on your mobile phone. Tap on Enable Notifications to enable this function.



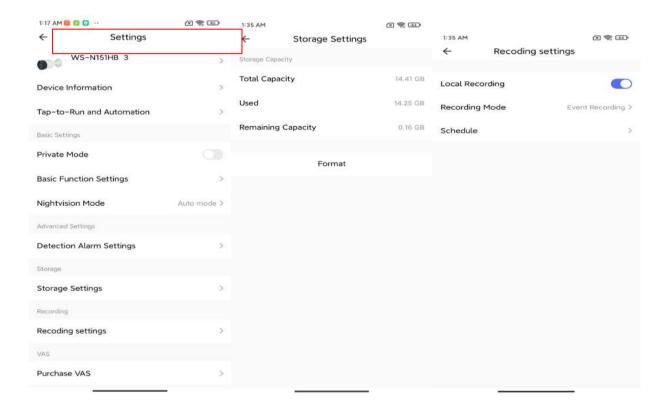
6 Recording and Playback

6.1 Set up Recording

6.1.1 Set up Motion Recording

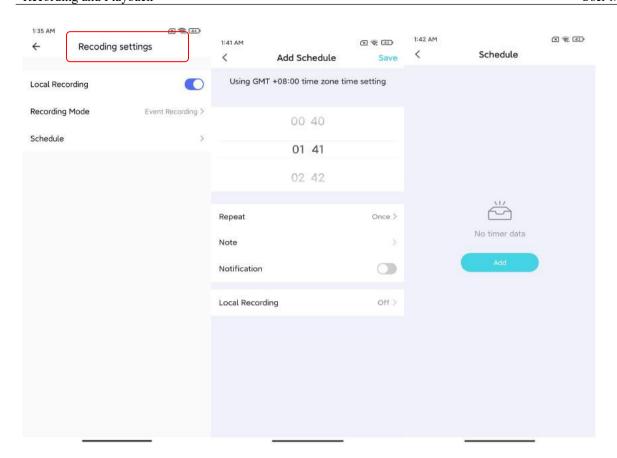
When the camera detects a motion, it can record and save motion recordings to Micro SD card automatically. You need to install a Micro SD card to the camera.

VEEZOOM PoE cameras support both motion recordings and continuous recordings. And recordings can be saved into micro SD cards.



6.1.2 Set up Continuous Recording

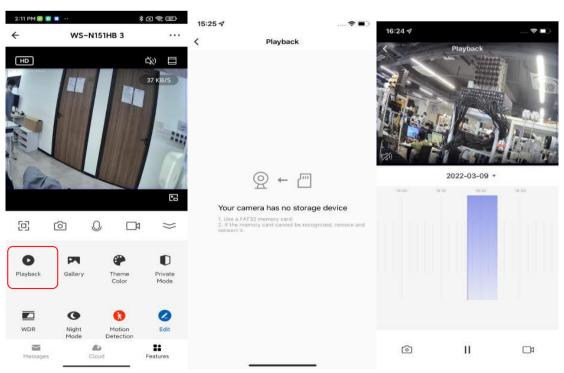
And you can also set continuous recording to the Micro SD card by choosing Timer.



6.2 Replay and Download Recordings

6.2.1 Replay Recordings

- 1. Open live view of the camera. Then tap on Playback on the bottom.
- 2. Select a date to search the recordings. Slide through the timeline to find the recordings you want to replay, tap on the selected recording and it'll automatically starts to play.



6.2.2 Download Recordings

Open live view of the camera. Tap on Playback on the bottom.





Select a date to search the recordings. Slide through the timeline to find the recordings you want to replay, tap on the selected recording and then tap on the Download icon.

VEEZOOM cameras don't support deleting selected recordings. The camera will automatically delete and overwrite the older recordings when the Micro SD card is full. Or you can manually format the Micro SD card to delete all recordings.

7 APP Settings

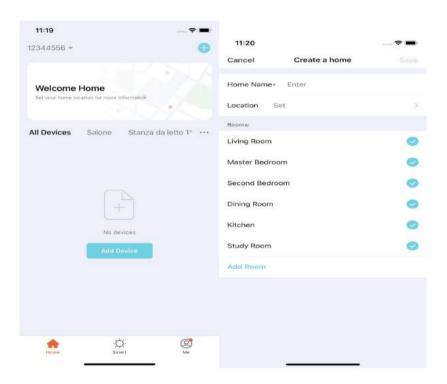
7.1 Family and family member management

- 1. After registering and logging in, a new user enters the "Home" page (device list page), and the user's avatar is displayed in the upper left corner. Before complete family information, the home page does not display environmental information and rooms.
- 2. Click "Me" in the lower right corner and select "Family Management" to enter the family management page.
- 3. New registered users will directly jump to the family information editing page of "Add Family" after clicking the "Family Management" button.
- 4. If a family has been added, select the "Add Family" button below the family to enter the family information editing page.
- 5. "Family Name" can be freely set according to your preferences (up to 25 characters).

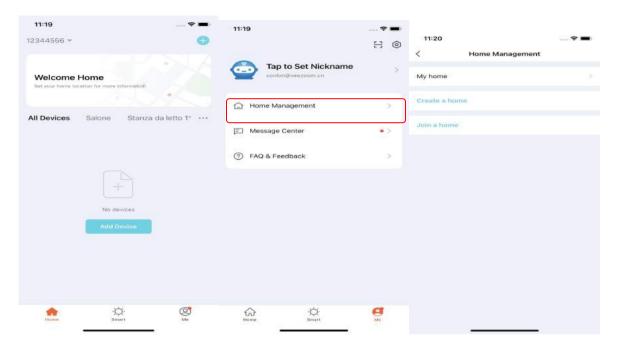
APP Settings User Manual

6. "Home Location" will be set according to the location of your mobile phone, you can also manually set the home coordinate point to change the "Home Location", click "Confirm" after confirming the address.

- 7. You can choose the default "room name" of the system, or click "Add another room" to customize the room (the room name can be entered with up to 25 characters).
- 8. After completing the family information, go back to the home page. The home page will display information such as "weather, temperature and room name". If you add multiple "family", click the button in the upper left corner to switch and manage "family".
- 9. On the "Home" page, click the drop-down button in the upper left corner to switch the existing "Family".



- 10. Edit the existing "Family" and "Add a New Family" through the "Family Management" button. One account can control multiple households at the same time, and the smart devices in each household are independent.
- 11. Click the home of "Veezoompro" to enter the home setting page, as shown in the figure.



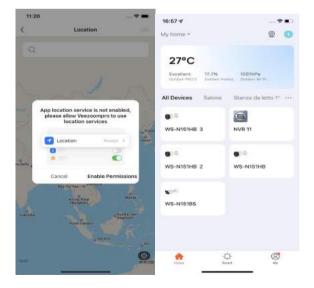
12. The added members will receive a pop-up reminder in the APP, you can choose "Accept" or "Reject". At the same time, you will also receive reminders in the message center.

7.2 Environmental information

After completing the family information and positioning, "weather and environmental information" will be displayed at the top of the device list page, click to view the specific environmental information.

If other sensing devices (such as air purifiers, hygrometers, thermometers, etc.) are connected to the APP, the environmental information returned by the sensing devices will be displayed preferentially.

The "Weather and Environment Information" item that needs to be adjusted can be dragged freely by long-pressing (this operation is only available to family owners and administrators).



Camera Settings User Manual

S Camera Settings

8.1 Device configuration

- 1. Click device information to modify the device icon, name, and location.
- 2. Device information: You can view the DEVICE ID, IP address, and time zone.
- 3. "One-click Execution" and "Automation" : you can open/close and edit the "automation" Settings recommended by the system.
- 4. Share device: You can share this device with others by entering the email address of the other party (note: the email address of the other party must be registered with the Veezoompro APP account).
- 5. Frequently asked questions and feedback: You can view the frequently asked questions of such products to provide help, or feedback and seek help through the feedback button.
- 6. Add to the home screen: You can access the control panel of the device through the shortcut on the desktop of the phone system.
- 7. Check the device network: You can view the current network status of the device.
- 8. Device upgrade: You can check whether the firmware version needs to be updated.

Remove device: After a device is removed from the device list, the Automation and One-click execution scenarios related to the device become invalid.

8.2 Micro SD card Storage

8.2.1 Optional Micro SD card specifications

Choose a Proper Micro SD card: Please choose a Micro SD card with the specifications below, so it can be compatible with the camera.

Item	Requirement
Capacity	Up to 256GB
Read and Write Speed	Class 10 or higher/≥26Mbps
Format	FAT32

8.2.2 Install the Micro Micro SD card

Bullet Cameras WS-N151HB

Step 1. Find the micro Micro SD card slot at the back of the camera and unscrew the screws to open it.



Step 2. Insert the micro Micro SD card just like the way in the picture below, please use your fingernail (or use the provided reset needle) to push the micro Micro SD card in until it is locked, and you will hear a click sound and the micro Micro SD card will not pop out if it is inserted in properly.



Step 3. Screw the screws to close the cover tightly.

Camera Settings User Manual



Bullet Cameras WS-N151BS

Step 1. Find the micro Micro SD card slot at the top of the camera and unscrew the screws to open it.



Step 2. Insert the micro Micro SD card just like the way in the picture below, please use your fingernail (or use the provided reset needle) to push the micro Micro SD card in until it is locked, and you will hear a click sound and the micro Micro SD card will not pop out if it is inserted in properly.



Step 3. Screw the screws to close the cover tightly.



8.3 Remove the Micro Micro SD card

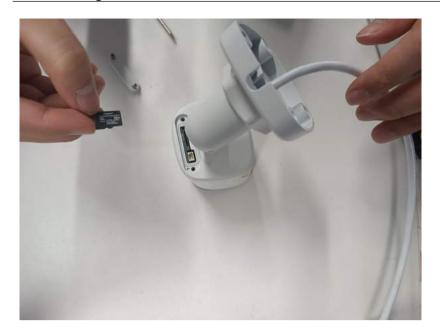
Please refer to the steps below to remove the Micro SD card from your camera.

MOTE

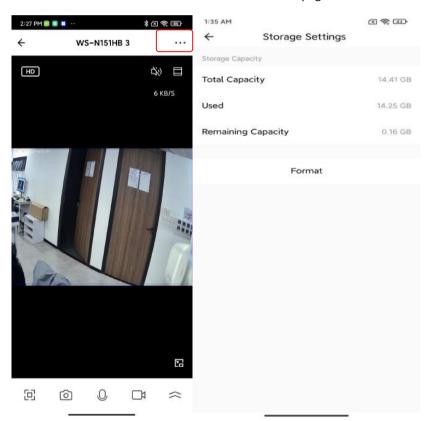
Before uninstalling the Micro SD card, please power off the camera first, in case it will damage the Micro SD card. Please find the Micro SD card slot and open its cover like the picture below.



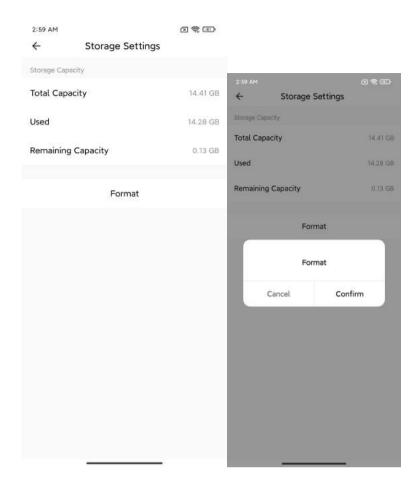
Camera Settings User Manual



1.Check the Micro Micro SD card Status ... Device Info page.



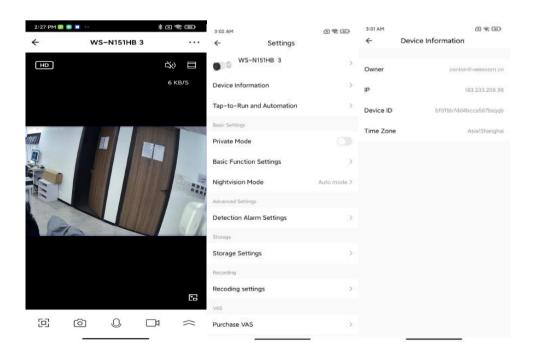
2. Tap **Storage**, and you can see the Micro SD card used space/total storage space. Tap **Format** to format the Micro SD card.



8.4 Device Information

From device information page, you can check the basic information about your camera include **Model No.**, **UID**, and **Firmware Version**.

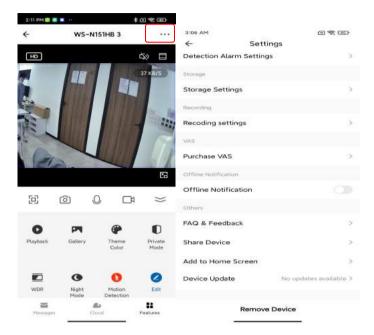
Launch the Veezoompro APP then tap ..., then go to **Device Info**.



Camera Settings User Manual

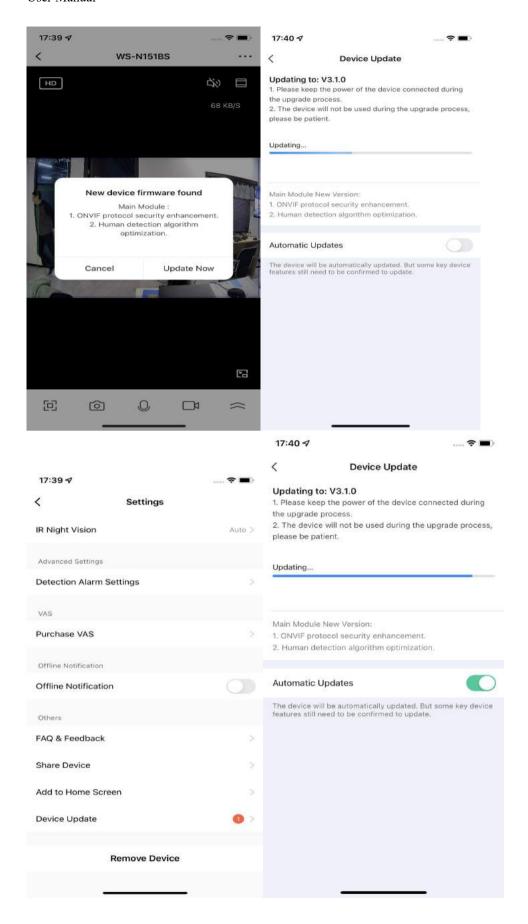
8.5 Remove Device

Launch the Veezoompro APP and setting> Remove Device. Here you can choose to reboot the camera or remove the camera on the APP.



8.6 Firmware OTA and automatic firmware upgrade

- 1 Click "Device Upgrade" on the device management page.
- 2 You can choose to open the "Automatically keep the device up-to-date" option.
- 3 After opening, the device will automatically complete the firmware upgrade during inactive time.



9 FAQs and Troubleshooting

9.1 FAQs

Q1: Specification of Ethernet Cables that VEEZOOM PoE Cameras Require.

A:VEEZOOM PoE cameras support T-568B connectors and CAT5, CAT6, CAT7 with 8 PIN Ethernet cable.

The maximum cable length that the camera supports is 80 meters (264feet).

Q2: Which PoE Injector/Switch Can I Use for VEEZOOM PoE Cameras?

A: The PoE injector/switch is not included in the package of our product and it's not sold inVEEZOOM stores. You may purchase the PoE injector/switch separately.

Please refer to the standards we support below:

Please make sure that the PoE injector/switch is 802.3af compliant (48V) and supports active mode.

Q3: Can Two Cameras be Connected via One Cable?

A:VEEZOOM PoE cameras can be powered over the Ethernet cable, and the Ethernet cable can transmit both data and power.

You may run 1 Ethernet cable from the NVR to a PoE switch, then plug 2 cameras (up to 3 cameras) to the PoE switch.

However, please don't split 1 Ethernet cable into 2 RJ45 connectors, as 1 PoE port can't provide enough power for 2 cameras. And also, the Ethernet splitter doesn't support 2 cameras to connect to network at the same time.

Q4: Can I Rotate Camera Image 90 Degrees?

A: Rotating image 90 degrees is not supported.

Please note that mounting cameras sideways is not recommended.

Q5: Can I Play back or Download Recordings Remotely?

A: If you access the camera with the user accounts of an admin user, you can play back and download recordings remotely.

But if you access the camera with the user accounts of a common user, you cannot do that.

Q6: Can I Download All Recordings at Once on Veezoompro APP?

A: No,VEEZOOM APP only supports downloading one file at once. And the video is cut into a moderate length by default. You can customize the video length (up to 120 seconds).

Q7: Can This Camera Record Continuously?

A: Yes, the camera of the latest firmware supports recording continuously.

Q8: Can I Use VEEZOOM Cameras with iCloud?

A: Due to the hardware and software limitation, the cameras temporarily do not support the icloud, but you can use cameras with the VEEZOOM cloud storage.

Q9: Can I Add a PoE Switch Between the VEEZOOM PoE Cameras and VEEZOOM PoE NVR?

A: Yes. But we don't recommend to connect in this way. If you have to connect in this way because of the inconvenience to hook multiple wires in the scenes like between two buildings, please make sure do not add more than three cameras into the PoE switch and then connect the switch to the PoE port on the NVR.

If you added more than 3 cameras on one PoE switch and connect the switch to the PoE port on the NVR, the video stream may be delayed or frozen.

9.2 Troubleshooting

9.2.1 Camera Is Not Powered up

If your camera is not powered up, please try the following solutions:

Please change another working adapter/working cable/working port to connect the camera.

Please refer to this user manual to reset the camera. Then please cover the day/night sensor or place the camera in a dark environment to check if the IR lights are on.

9.2.2 Camera does not work with the third-party software

VEEZOOM IP cameras are ONVIF17.06 compliant, which means they can be added to some third-party surveillance software for monitoring and recording. For the surveillance software you mentioned, sorry that we're not able to assure you that it will be fully compatible with VEEZOOM cameras as we didn't test it or made any adaptations.