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ieGeek S7

ieGeek S7 Solar Security Camera Instruction Manual

MODEL: S7

Brand: ieGeek

Overview	What's in the Box	Setup	Operating Warranty & Support	Maintenance	Troubleshooting	Specifications
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1. PRODUCT OVERVIEW

The ieGeek S7 Solar Security Camera is a wireless outdoor surveillance solution designed for comprehensive property monitoring. It features 24/7 Always-On Video (AOV) recording, a 360° panoramic view with smart auto-tracking, and crisp 2K color night vision. Powered by an integrated 9000mAh battery and an efficient 5W solar panel, it offers continuous operation without frequent recharging. Advanced AI motion detection minimizes false alerts, while two-way audio and IP65 weather resistance ensure reliable performance in various outdoor conditions. The camera supports 2.4GHz Wi-Fi, flexible local (MicroSD up to 256GB) or cloud storage, and is compatible with Alexa for convenient control.



Figure 1: ieGeek S7 Solar Security Camera with its solar panel.

2. WHAT'S IN THE BOX

Upon unboxing your ieGeek S7 Solar Security Camera, please ensure all the following components are present:

- AOV Security Camera
- Charging Cable
- Instruction Manual
- Mounting Screws
- Solar Panel



Figure 2: The ieGeek S7 camera and its accompanying solar panel.

3. SETUP GUIDE

3.1 Initial Charging

Before initial use, fully charge the camera using the provided charging cable and a 5V1A or 5V2A power adapter (not included). A full charge typically takes 3-6 hours. This ensures the camera has sufficient power before relying on the solar panel.

All-Day Safety

Faster Charging



9000mAh



5W



Figure 3: The charging port and MicroSD card slot are located under a protective rubber cover on the camera.

3.2 App Installation and Pairing

1. Download the 'ieGeek Cam' app from your smartphone's app store.
2. Create an account and log in.
3. Follow the in-app instructions to add a new device. You will be prompted to scan a QR code located on the camera body or in the user manual.
4. Ensure your phone and camera are on the same 2.4GHz Wi-Fi network during pairing.
5. The app will guide you through the remaining steps to connect the camera to your Wi-Fi network.

Your browser does not support the video tag. This video demonstrates how to monitor property remotely via smartphone using the ieGeek Cam app.

Video 1: Demonstrates remote monitoring via the ieGeek Cam app on a smartphone.

3.3 Physical Installation

Choose a mounting location that provides a strong Wi-Fi signal and optimal sunlight exposure for the solar panel. The recommended installation height is 7-10 feet off the ground.

1. Secure the camera's mounting bracket to your desired surface using the provided screws.
2. Attach the camera to the mounted bracket.
3. Mount the solar panel in a location that receives maximum direct sunlight throughout the day.
4. Connect the solar panel's cable to the camera's charging port.

AI Detection Up to 100FT Range



Figure 4: The ieGeek S7 camera securely mounted on an outdoor wall.

AI Motion Detection

Know Immediately Before They
Get Too Close



Siren



Spotlight



APP Push



Figure 5: The solar panel mounted to maximize sunlight exposure for continuous charging.

4. OPERATING INSTRUCTIONS

4.1 24/7 Always-On Video (AOV) Recording

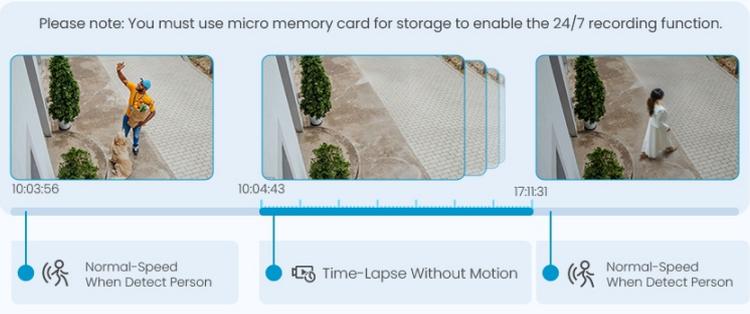
The ieGeek S7 camera features intelligent 24/7 AOV recording. It records continuously in a low-frame mode and automatically switches to full-frame recording when motion is detected. This ensures no critical moments are missed

while optimizing battery life.

AOV 24/7 Recording

Non-stop security, protecting your property day and night

Please note: You must use micro memory card for storage to enable the 24/7 recording function.



The diagram shows a recording timeline with three segments: 1. 10:03:56 to 10:04:43: Normal-Speed When Detect Person (person in yellow shirt). 2. 10:04:43 to 17:11:31: Time-Lapse Without Motion (empty scene). 3. 17:11:31 onwards: Normal-Speed When Detect Person (person in white dress). A large 'AOV' watermark is visible in the background.

Figure 6: Illustration of the 24/7 AOV recording timeline, showing low-frame recording and switching to normal speed upon motion detection.

Your browser does not support the video tag. This video highlights the 24/7 AOV recording capability of the ieGeek S7 Solar Camera.

Video 2: Overview of the S7 Solar Camera's 24/7 AOV Recording feature.

4.2 Pan-Tilt-Zoom (PTZ) and Auto-Tracking

Control the camera's view remotely with 355° pan and 120° tilt capabilities. The smart auto-tracking feature automatically detects and follows movement up to 100 feet (30 meters), ensuring continuous coverage of moving subjects. After tracking, the camera returns to its preset position.

360° Vision, No Blind Spots

Flexible field of view, your property get all round coverage.



The diagram shows a white ieGeek camera with a 355° pan range and 120° tilt range. Below the camera are three panels: a left panel with a left-pointing arrow, a central panel showing a man and a child playing tennis on a lawn, and a right panel with a right-pointing arrow. Arrows indicate the camera's movement and tracking capabilities.

Figure 7: The camera offers 360° vision with PTZ and auto-tracking to eliminate blind spots.

Your browser does not support the video tag. This video demonstrates the auto-tracking movement of the camera, ensuring no blind spots.

Video 3: Demonstration of the camera's auto-tracking feature, following movement without missing events.

4.3 AI Motion Detection

Utilize advanced PIR motion sensing combined with AI human detection to accurately distinguish people from other movements. Customize detection zones, sensitivity levels, and alert schedules within the app to receive timely notifications and minimize false alarms.

Ultra-sensitive AI Motion Detection

Freely choose light or alarm combination to effectively deter intruders at night.



Siren



Spotlight



APP Push



Figure 8: The camera's ultra-sensitive AI motion detection can trigger alarms or spotlights.

30M Ultra-long AI Detection Max Range

Triple the coverage with 30m AI detection, leaving no blind spots

30M

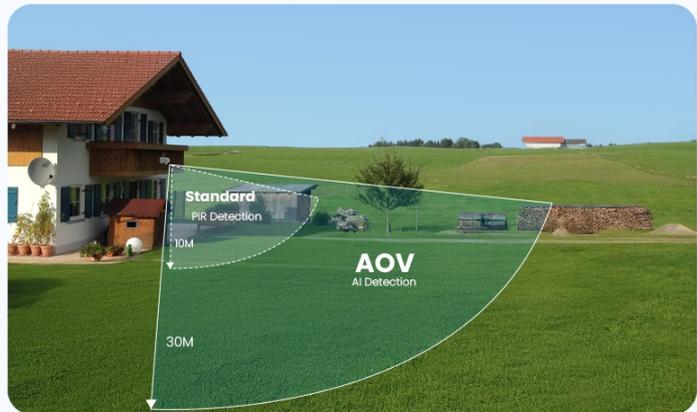


Figure 9: The camera offers an ultra-long AI detection range of up to 30 meters.

4.4 2K Color Night Vision

Experience clear 2K video quality day and night. The camera provides both infrared and full-color night vision. Bright spotlights automatically activate upon motion detection at night, enhancing visibility and deterring intruders.

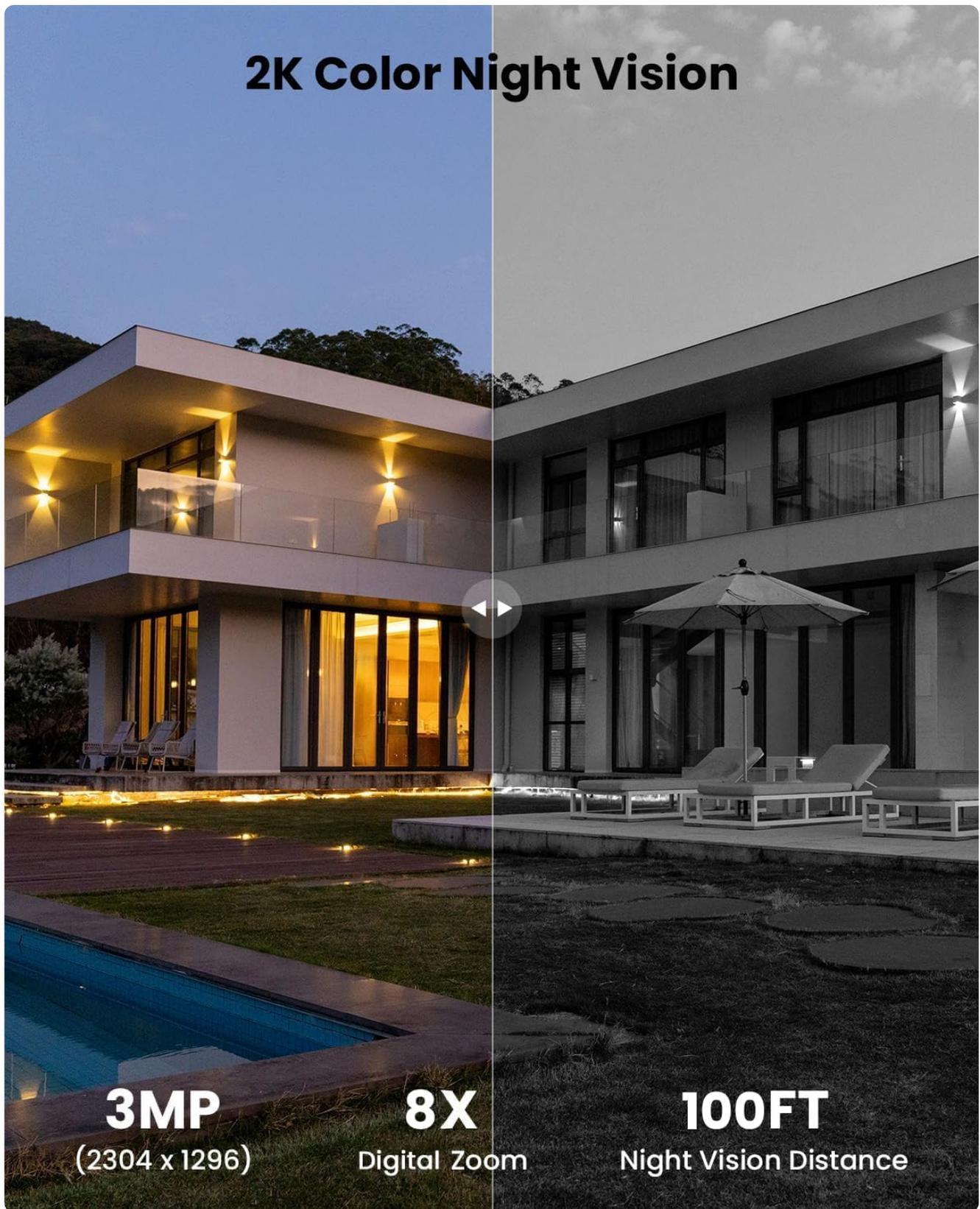


Figure 10: Comparison showing the clarity of 2K color night vision versus standard night vision.

4.5 Two-Way Audio

The built-in speaker and microphone enable real-time two-way communication through the app. This allows you to speak to visitors or deter unwanted guests directly from your smartphone.

Advanced AI Analysis

Identify people, cars, packages and pets intelligently, push app alerts precisely (paid function).



Figure 11: Illustration of the two-way audio feature, allowing communication with individuals near the camera.

4.6 Flexible Storage Options

Video footage can be stored locally on a MicroSD card (up to 256GB, not included) or securely in the cloud. This provides flexible access to your recordings whenever needed, without mandatory subscription fees.

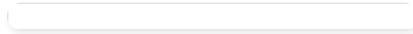


Figure 12: The camera supports both MicroSD card storage and cloud storage options.

4.7 Multi-User Sharing

Share access to your camera's live feed and recordings with family members or trusted individuals through the ieGeek Cam app. This allows multiple users to monitor the property simultaneously.



Figure 13: Illustration of the multi-user sharing feature within the ieGeek Cam app.

5. MAINTENANCE

5.1 Weather Resistance

The ieGeek S7 camera boasts an IP65 weather-resistant rating, ensuring reliable operation in various outdoor conditions, including rain, snow, and extreme temperatures ranging from -10°C to 50°C.



Figure 14: The ieGeek S7 camera is designed to withstand various weather conditions.

5.2 Solar Panel Care

To maintain optimal charging efficiency, periodically clean the surface of the solar panel to remove any dust, dirt, or debris that may accumulate. Ensure the panel is positioned to receive maximum direct sunlight.

6. TROUBLESHOOTING

If you encounter any issues with your ieGeek S7 camera, please refer to the following general troubleshooting tips:

- **No Power:** Ensure the camera was fully charged before installation. Verify the solar panel is clean and receiving adequate sunlight.
- **Wi-Fi Connection Issues:** Check that your Wi-Fi network is 2.4GHz. Ensure the camera is within range of your Wi-Fi router and the signal strength is adequate. Try resetting the camera and re-pairing it with the app.
- **Motion Detection Not Working:** Verify that motion detection is enabled in the app. Adjust sensitivity settings and detection zones.
- **Poor Video Quality:** Check your Wi-Fi signal strength. Ensure the camera lens is clean.

For more detailed troubleshooting or persistent issues, please contact ieGeek customer support.

7. SPECIFICATIONS

Model Name	S7
Brand	ieGeek
Indoor/Outdoor Usage	Outdoor
Power Source	Battery Powered (9000mAh)
Connectivity Technology	Wireless (2.4GHz Wi-Fi)
Video Capture Resolution	2K (3MP, 2304x1296)
Viewing Angle	360 Degrees (355° Pan, 120° Tilt)
Night Vision Range	100 Feet
Water Resistance Level	IP65 Waterproof
Special Features	2-Way Audio, Auto-Tracking, HD Resolution, Night Vision, PTZ Technology, Solar Panel (5W), AI Motion Detection, Alexa Compatible
Storage Options	MicroSD (up to 256GB), Cloud Storage
Item Dimensions L x W x H	5.9 x 3.86 x 5.51 inches
Item Weight	2.56 pounds

8. WARRANTY & SUPPORT

ieGeek is committed to providing excellent customer service and product support:

- **24-Hour Technical Support:** Assistance is available around the clock for any technical queries.
- **Repair Products at No Cost:** Free repairs for products under warranty.
- **Trade-in for Products Used Over 2 Years:** Special programs may be available for long-term users.
- **Extended Free Returns:** Extend your free return period from one month to 12 months by registering your product.

To ensure 100% coverage and extend your warranty, please register your purchase within 10 days of receiving your camera.

Contact Information:

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Website: ieGeek.com