Rexing H1

Rexing H1 HD 16MP Wildlife Camera User Manual

Model: H1

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1. PRODUCT OVERVIEW

The Rexing H1 HD 16MP Wildlife Camera is a robust and versatile device designed for capturing high-quality images and videos of wildlife or for personal surveillance. It features ultra-fast motion detection, a rapid trigger speed, and an integrated LED flash for clear day and night captures.
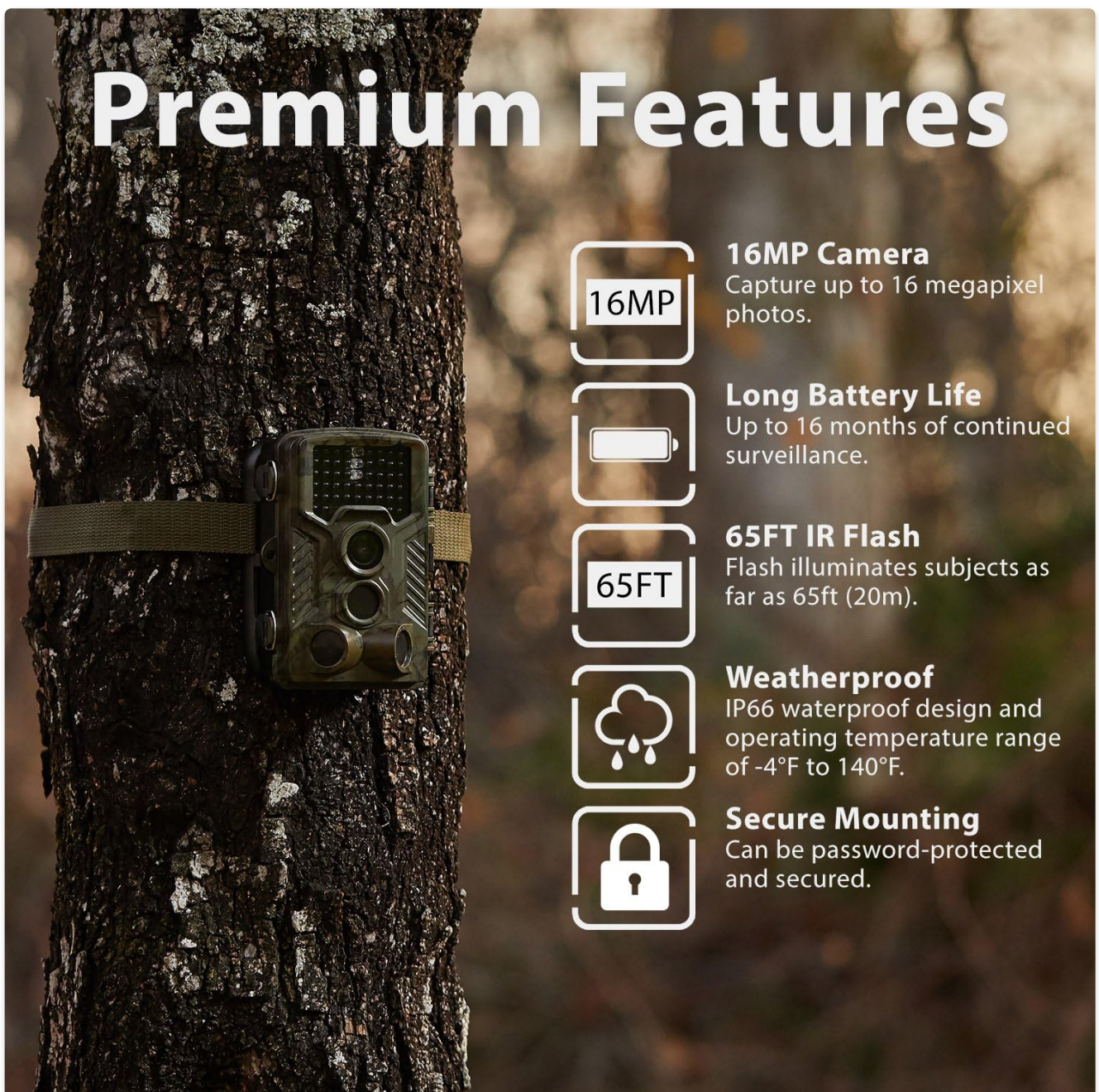
Figure 1: Front view of the Rexing H1 HD 16MP Wildlife Camera, showcasing its camouflage design and lens placement.

Key Features:

- **High-Resolution Imaging:** Captures crisp 16-megapixel photos and 1080p HD videos with audio, providing detailed visual and auditory records.

- **Ultra-Fast Trigger Speed:** Boasts a 0.2-second trigger speed, ensuring quick capture of fast-moving subjects after motion detection.

- **Advanced Motion Detection:** Equipped with a 120-degree detection angle and infrared (IR) sensors for comprehensive coverage.

- **Night Vision Capability:** Integrated LED flash illuminates targets up to 65 feet (20 meters) for clear night-time recording without disturbing wildlife.

- **Integrated LCD Screen:** A 2.4-inch LCD screen allows for immediate review of captured photos and videos directly on the device.

- **Extended Battery Life:** Designed for low power consumption, offering up to 16 months of continuous monitoring on 8 AA batteries.

- **Durable and Secure Design:** Features an IP66 waterproof rating and operates in temperatures from -5°F to 140°F. The camera can be password-protected and secured with a lock to prevent unauthorized access.

Figure 2: Visual representation of the Rexing H1's premium features, including 16MP camera, long battery life, 65FT IR flash, weatherproof design, and secure mounting.

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2.1 Unboxing and Components

Before setting up your Rexing H1 camera, ensure all components are present in the package.

Figure 3: Contents of the Rexing H1 package, including the camera, quick user guide, mounting strap, USB cable, AV cable, and mounting accessories.

2.2 Battery Installation

The Rexing H1 requires 8 AA batteries (not included) for operation. For optimal performance and battery life, use high-quality alkaline or rechargeable AA batteries.

1. Locate the battery compartment on the back of the camera.

2. Open the battery compartment cover.

3. Insert 8 AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.

4. Close the battery compartment cover securely to maintain the camera's waterproof seal.

2.3 Micro SD Card Insertion

A Micro SD card (up to 32GB, not included) is required to store photos and videos. Ensure the card is formatted before first use.

1. Open the camera's main casing latch on the side.

2. Locate the Micro SD card slot, typically near the LCD screen.

3. Insert the Micro SD card with the gold contacts facing down until it clicks into place.

4. Close the main casing latch securely.

Figure 4: Close-up view of the side latch mechanism on the Rexing H1 camera, which secures the main casing.

2.4 Mounting the Camera

The camera can be mounted using the included strap or the mounting bracket.

Using the Mounting Strap:

1. Thread the provided strap through the slots on the back of the camera.

2. Secure the camera to a tree or pole at the desired height and angle.

3. Ensure the camera is stable and pointed towards the area you wish to monitor.

Using the Mounting Bracket (Optional):

1. Attach the mounting bracket to a flat surface using screws.

2. Secure the camera to the bracket.

3. Adjust the camera's angle as needed.

Figure 5: The Rexing H1 camera securely mounted to a tree using its strap, demonstrating its outdoor readiness.

3. OPERATION

3.1 Powering On and Initial Settings

1. After installing batteries and the SD card, switch the camera to the "ON" position.

2. The LCD screen will power on. Navigate through the menu using the control buttons.

3. Set the date, time, and language as prompted or via the settings menu.

4. It is recommended to format the Micro SD card through the camera's menu before first use to ensure compatibility and optimal performance.

3.2 Recording Modes

The Rexing H1 offers several recording modes to suit different monitoring needs:

- **Photo Mode:** Captures still images when motion is detected. You can set the photo resolution (up to 16MP)

and the number of photos per trigger.

- **Video Mode:** Records video clips (1080p HD with audio) when motion is detected. Adjustable video length and resolution.

- **Photo + Video Mode:** Captures a set number of photos followed by a video clip upon motion detection.

- **Time-Lapse Mode:** Takes photos at set intervals, regardless of motion, useful for observing slow processes like plant growth or construction.

- **Target Recording Mode:** Allows for scheduled recording times.

- **Photo Series Mode:** Captures a burst of photos in quick succession.

Select your desired mode from the camera's menu settings.

Figure 6: An example of clear captures from the Rexing H1 camera, illustrating its 16MP photo and 1080p HD video capabilities, even in challenging environments.

3.3 Motion Detection and Trigger Speed

The H1 camera is designed to capture subjects quickly and efficiently:

- The camera's passive infrared (PIR) sensors detect motion within a 120-degree field of view.
- Upon detection, the camera triggers a capture in as little as 0.2 seconds.
- The LED flash provides illumination for night vision up to 65 feet (20 meters), ensuring clear images in low-light conditions.
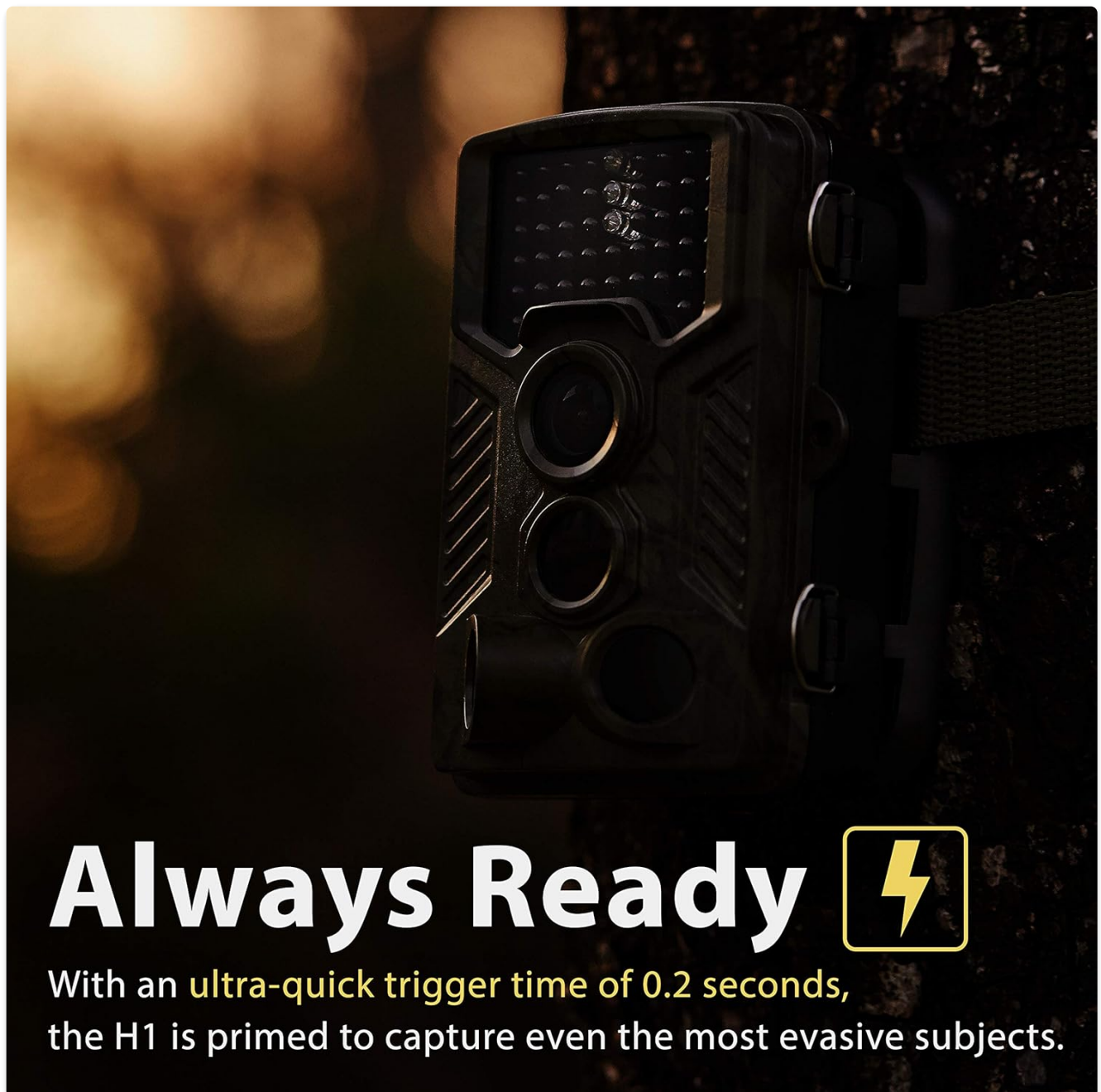

Figure 7: The "Always Ready" feature highlights the camera's ultra-quick 0.2-second trigger time, enabling it to capture even the most elusive subjects.

3.4 Reviewing Footage

You can review captured media directly on the camera's 2.4-inch LCD screen or by connecting the camera to a computer.

- **On-Camera Review:** Switch the camera to "Playback" mode. Use the navigation buttons to browse through photos and videos.
- **Computer Connection:** Connect the camera to your computer using the provided USB cable. The camera will appear as a removable disk, allowing you to transfer files. Alternatively, remove the Micro SD card and insert it into a card reader connected to your computer.

3.5 Security Features

The Rexing H1 includes features to protect your device and data:

- **Password Protection:** Set a password in the camera's settings menu to prevent unauthorized access to the device and its contents.
- **Lockable Design:** The camera casing has provisions for a padlock (not included) to physically secure it to its mounting location.

4. MAINTENANCE

4.1 Battery Replacement

When the battery indicator shows low power, replace all 8 AA batteries. Always replace with a fresh set of high-quality batteries to ensure consistent performance and prevent issues.

4.2 SD Card Management

- **Formatting:** Regularly format the Micro SD card (at least once a month or after significant data transfer) through the camera's menu to maintain optimal recording speed and prevent data corruption.
- **Capacity:** Ensure the SD card has sufficient free space. If the card is full, the camera will stop recording.

4.3 Cleaning and Care

- **Lens and Sensors:** Gently clean the camera lens and PIR sensors with a soft, lint-free cloth. Avoid abrasive materials or harsh chemicals.
- **Casing:** Wipe the camera's exterior with a damp cloth to remove dirt or debris. Ensure the battery compartment and main casing latches are always clean and securely closed to maintain the IP66 waterproof rating.
- **Storage:** When not in use for extended periods, remove batteries and store the camera in a cool, dry place.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera does not power on.	**a.** Incorrect battery installation. **b.** Dead or low batteries. **c.** Power switch in OFF position.	**a.** Check battery polarity and ensure they are inserted correctly. **b.** Replace all 8 AA batteries with fresh ones. **c.** Ensure the power switch is set to "ON".
No photos/videos are recorded.	**a.** SD card full or not inserted correctly. **b.** SD card not formatted. **c.** PIR sensitivity too low or detection range issues. **d.** Incorrect recording mode selected.	**a.** Check SD card insertion; replace if full or faulty. **b.** Format the SD card via the camera's menu. **c.** Increase PIR sensitivity in settings; ensure no obstructions in detection path. **d.** Verify the selected recording mode (Photo, Video, etc.).

Problem	Possible Cause	Solution
Poor image/video quality.	**a.** Dirty lens or sensors. **b.** Low light conditions (night vision issues). **c.** Subject too far or too close.	**a.** Clean the lens and sensors with a soft cloth. **b.** Ensure LED flash is enabled for night recording; check battery level. **c.** Adjust camera placement for optimal subject distance.
Short battery life.	**a.** Low-quality batteries. **b.** Frequent triggers/recordings. **c.** Cold weather conditions.	**a.** Use high-quality alkaline or lithium AA batteries. **b.** Adjust PIR sensitivity or recording intervals to reduce unnecessary triggers. **c.** Battery performance can decrease in cold temperatures; consider lithium batteries in extreme cold.

6. TECHNICAL SPECIFICATIONS

Feature	Detail
Model Number	H1
Brand	Rexing
Video Capture Resolution	1080p
Effective Video Resolution	1080 pixels
Image Resolution	Up to 16 Megapixels
Viewing Angle	120 degrees
Frame Rate	30 frames per second
Trigger Speed	0.2 seconds
Night Vision Range	Up to 65 feet (20 meters)
Display	2.4-inch LCD screen
Storage	Supports Micro SD cards up to 32GB (not included)
Power Source	8 AA batteries (required, not included)
Operating Temperature	-5°F to 140°F (-20°C to 60°C)
Waterproof Rating	IP66
Item Dimensions (LxWxH)	7.01 x 10.01 x 14 cm (approx. 2.76 x 3.94 x 5.51 inches)
Item Weight	907.18 grams (approx. 2 lbs)
Connectivity Technology	Infrared
Recommended Uses	Night Vision, Wildlife Monitoring, Game & Tracking, Motion Detection

7. WARRANTY AND SUPPORT

Specific warranty details for the Rexing H1 HD 16MP Wildlife Camera are not provided in this manual. Please refer to the product packaging or the manufacturer's official website for the most up-to-date warranty information and terms.

For technical support, product inquiries, or assistance with troubleshooting beyond the scope of this manual, please contact Rexing customer service through their official channels. Contact information can typically be found on the manufacturer's website or on the product packaging.