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## Levenhuk Atom Digital DB20 LCD

# Levenhuk Atom Digital DB20 LCD Binoculars User Manual

Model: Atom Digital DB20 LCD | Brand: Levenhuk

## INTRODUCTION

The Levenhuk Atom Digital DB20 LCD Binoculars are designed for daylight observation and recording. Featuring a folding LCD screen and integrated VCR, these binoculars allow users to observe distant objects and capture high-resolution photos and videos. This manual provides essential information for the proper setup, operation, and maintenance of your device.



Image: Levenhuk Atom Digital DB20 LCD Binoculars. The image displays the binoculars with their folding LCD screen open, showing a scenic view. The packaging highlights 12x optical and 8x digital magnification, UHD video, and 48M photo capabilities.

## SETUP

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### 1. Power Source

The Levenhuk Atom Digital DB20 LCD Binoculars are powered by an internal battery. Ensure the device is fully charged before first use. Connect the provided USB cable to the charging port on the binoculars and to a compatible USB power adapter or computer.

### 2. Memory Card Installation

To store photos and videos, a memory card (up to 32 GB) is required. Locate the memory card slot, typically protected by a rubber flap. Insert the memory card with the contacts facing down until it clicks into place. Ensure the device is powered off before inserting or removing the memory card.

### 3. Initial Power On

Press and hold the power button to turn on the binoculars. The LCD screen will illuminate. Adjust the screen angle for comfortable viewing.

## OPERATING INSTRUCTIONS

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### 1. Adjusting Focus and Magnification

- Optical Magnification:** The binoculars offer a powerful 12x optical magnification.
- Digital Zoom:** Utilize the digital zoom function, ranging from 1x to 8x, to further enlarge your view. Refer to the on-screen display for current zoom level.
- Focusing:** Use the center focus wheel to adjust sharpness for objects at various distances, up to 1000m. Rotate the wheel until the image on the LCD screen is clear.

### 2. Photo and Video Recording

- Photo Capture:** Press the dedicated photo button to take still images. The device supports up to 48-megapixel photos.
- Video Recording:** Press the video button to start and stop recording. Videos are captured in 2.5K resolution with sound. Recording can last up to 3.5 hours non-stop on a full charge.
- Viewing Recordings:** Access the playback mode through the menu to review captured photos and videos directly on the LCD screen.

### 3. Tripod Mounting

For extended observations or stable photo shoots, the binoculars can be mounted on a standard 1/4" tripod. Locate the tripod thread on the underside of the device and securely attach it to your tripod.

## MAINTENANCE

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- Cleaning Lenses:** Use a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens surfaces to remove dust or smudges. Avoid using abrasive materials or harsh chemicals.
- Cleaning Body:** Wipe the body of the binoculars with a soft, damp cloth. Do not submerge the device in water.
- Storage:** Store the binoculars in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided case or a protective bag to prevent dust accumulation and physical damage.

- **Battery Care:** For long-term storage, ensure the battery is partially charged (around 50%). Recharge periodically if not used for extended periods to maintain battery health.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery; Power button not pressed correctly.	Charge the battery fully. Press and hold the power button firmly for a few seconds.
Image is blurry.	Improper focus; Dirty lenses.	Adjust the center focus wheel. Clean the lenses with a suitable optical cleaning cloth.
Cannot record photos/videos.	Memory card full or not inserted; Incorrect mode.	Check memory card capacity and ensure it is properly inserted. Select the correct photo or video recording mode.
LCD screen is blank.	Device off; Screen folded down; Display settings.	Ensure device is powered on. Unfold the LCD screen. Check display settings in the menu.

## SPECIFICATIONS

**Model:** Levenhuk Atom Digital DB20 LCD

**Optical Magnification:** 12x

**Digital Zoom:** 1x to 8x

**Sensor:** High-sensitivity CMOS

**Display:** Folding LCD screen

**Photo Resolution:** Up to 48 Megapixels

**Video Resolution:** 2.5K (with sound)

**Recording Duration:** Up to 3.5 hours (video)

**Memory Card Support:** Up to 32 GB (not included)

**Focus Range:** Up to 1000m

**Tripod Mount:** Standard 1/4" thread

**Manufacturer:** Levenhuk

**ASIN:** B0F2Y8CLNB

## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Levenhuk website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

You can visit the official Levenhuk store on Amazon for more information: [Levenhuk Store](#)