MINOLTA®

4K ULTRA HD

MNDM10B

User Manual

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1.0 Introduction

About this Manual:
Congratulations on purchasing the Minolta MNDM10B Digital Camera Monocular!

The contents of this manual are subject to change without notice. Note that the example screens and product illustrations shown in this User's Guide may differ somewhat from the screens and configuration of the actual camera.

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Federal Communications Commission Interference Statement:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
· Reorient or relocate the receiving antenna.
· Increase the separation between the equipment and receiver.
· Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
· Consult the dealer or an experienced radio/TV technician for help.

Caution:
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This device complies with Part 15 of the FCC Rules. Operation is

subject to the following two conditions:

(1) This device may not cause harmful interference and

(2) This device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Warning

This equipment complies with the Federal Communications Commission (FCC) RF radiation exposure limits established for an uncontrolled environment. To ensure compliance with these exposure limits, it is essential to follow all installation and operation instructions. Additionally, this equipment should neither be co-located nor operated alongside any other antenna or transmitter unless specifically authorized. All users and installers must be provided with appropriate antenna installation guidelines and transmitter operating conditions to meet RF exposure requirements.

• **FCC Information**: This device adheres to Specific Absorption Rate (SAR) standards set by the FCC. The standard value is 1.6 W/kg, and the maximum measured value is 0.4 W/kg. SAR measures the rate of radio frequency energy absorption by the human body.

CE Mark Warning

This device is classified as a **Class B product** under European Union (EU) regulations. In a residential environment, it may cause radio interference. In such cases, the user may be required to implement measures to reduce interference. This classification pertains to equipment used in both professional and residential environments, ensuring minimal interference with other electronic devices.

Camera Information & Guidelines for Safe Use

The following instructions are designed to ensure the safety of both the user and the camera, while also extending the longevity and performance of the device.

General Handling Instructions:

• **Do Not Disassemble**: The camera contains precision components and delicate circuitry. Under no circumstances should users attempt to open, modify, or service the camera themselves. Unauthorized repair or modification may result in damage and will void any warranties.

• **Moisture & Temperature Exposure**: Avoid exposing the camera to **high humidity**, **extreme cold**, or **excessive heat**. Doing so can

cause internal condensation, potentially damaging the electronics and optical components. When transitioning between environments with different temperatures (e.g., moving from a cold outdoor setting to a warm indoor environment), allow the camera to gradually adjust to avoid condensation.

● **Care with the Lens**: The camera lens is one of its most sensitive parts. Avoid direct contact with the lens, and do not apply pressure. Additionally, prolonged exposure to direct sunlight or bright light sources can degrade the lens coating and sensor, which may permanently damage image quality.

Cleaning Guidelines:

● **Cleaning Agents**: Avoid the use of **abrasive chemicals**, **cleaning solvents**, or harsh detergents when cleaning your camera. These substances can degrade the materials used in the camera body and lens. Instead, wipe the surface of the camera with a **soft, slightly damp cloth**. Be sure to avoid moisture from entering any openings, such as the microphone, speaker, or charging ports.

● **Lens Cleaning**: For cleaning the lens, use a specialized **lens cleaning cloth** or an air blower designed for camera equipment to remove dust and debris. Never use rough materials or force, as these may cause scratches.

Safety Considerations:

● **Flash & LED Usage**: Avoid using the camera's flash or LED light near individuals' eyes, especially in close proximity, as this could result in temporary visual impairment or discomfort.

● **Safe Usage While Mobile**: Operating the camera while walking, driving, or cycling is strongly discouraged, as it may divert attention and increase the risk of accidents or injury. Always ensure you're stationary and aware of your surroundings when using the device.

● **Handling Camera Straps**: Be particularly cautious when using the camera's strap. Never allow the strap to wrap around a child's neck, as this presents a serious choking hazard.

● **Impact & Shock Protection**: The camera is built to handle everyday use, but it remains a sensitive electronic device. Excessive shock, such as dropping the camera or subjecting it to heavy impact, could cause internal or external damage. Similarly, avoid placing pressure on the LCD screen, as this could lead to malfunction or permanent damage.

Battery Information

The camera uses a rechargeable lithium-ion battery that requires proper care and handling for safety and longevity. Below are detailed guidelines for ensuring safe and effective use of the battery.

Installation & Replacement:

- **Proper Installation**: Always turn off the camera before installing or removing the battery. Ensure that the battery is correctly oriented as per the instructions. Incorrect insertion, such as placing the battery upside down, could result in damage to the camera, cause overheating, or even pose an explosion risk.

- **Battery Replacement**: Only use the provided battery or an officially recommended replacement. Use of incompatible batteries can damage the camera and void the warranty. The incorrect battery could also result in overheating, leakage, or fire hazards. Always follow local regulations for the safe disposal of old or damaged batteries.

Storage & Longevity:

- **Long-term Storage**: If you do not intend to use the camera for an extended period, download any important pictures, turn off the device, and remove the battery to prevent discharge or leakage. Store the battery separately in a **cool, dry place**.

- **Explosion Risk**: Replacing the battery with an incompatible type may pose a risk of explosion. Always handle with care and follow the manufacturer's instructions.

Safety Precautions:

- **Excessive Heat**: If you notice that the battery becomes excessively hot, emits smoke, or shows signs of discoloration, immediately discontinue use and safely remove it from the camera (if possible). Seek advice from a professional or your camera retailer.

- **Children's Safety**: Keep batteries out of reach of children. Ingesting batteries can cause serious health risks, such as internal burns, and in some cases, can be fatal.

USB Adapter Information

The USB adapter provides the power necessary to charge the camera's battery. Follow these instructions to ensure proper function and safety:

Temperature Sensitivity:

- **Avoid Extreme Temperatures**: Keep the USB adapter away from high-temperature areas, such as heaters or direct sunlight, as this could cause the device to overheat, resulting in potential fire hazards. Similarly, do not use the adapter in moist environments, such as bathrooms, to prevent electric shock or equipment malfunction.

Usage Guidelines:

- **Safe Handling**: Never attempt to disassemble, modify, or tamper with the USB adapter. If the adapter sustains damage or malfunctions, discontinue use and seek a replacement.
- **Condensation Risks**: Avoid using the USB adapter immediately after moving from a cold to a warm environment, as sudden temperature changes may cause internal condensation. Wait until the device reaches room temperature to avoid short circuits.
- **Wet Hands Warning**: Never touch the USB plug or the electrical components with wet hands, as this could result in a dangerous electric shock.

Power Source Compatibility:

- **Avoid Converters**: Do not use travel voltage converters or AC/DC power inverters with the adapter, as these may overload or damage the camera. Instead, only use certified power sources compatible with the voltage requirements of your region.

Precautions for Specific Use Cases

Condensation & Sudden Temperature Changes:

Moving between environments with significantly different temperatures, such as entering a heated building from the cold outdoors, can cause condensation to form inside the camera. To avoid this, place the camera inside a plastic bag or carrying case before making such transitions. This will help reduce the risk of moisture accumulating inside the camera, which can cause damage to electronic components.

Handling Strong Magnetic Fields:

Strong electromagnetic fields, such as those generated by power stations or medical equipment, may interfere with your camera's internal circuits, leading to malfunction or data loss. Avoid storing or operating your camera near devices that emit strong electromagnetic radiation.

Exposure to Strong Light Sources:

Extended exposure of the lens to strong light sources, such as direct sunlight, could degrade the camera sensor and reduce image quality. If the camera is frequently exposed to strong light, it may cause permanent white blurring on your photographs. Ensure the camera is stored in a safe, shaded area when not in use.

Powering Off & Memory Card Guidelines

Safely Power Off:

Always turn off the camera before removing the battery or memory card. Removing the battery while the camera is still powered on or actively writing data may result in data loss or corruption. Additionally, this may cause damage to both the memory card and the internal circuitry.

LCD Screen Guidelines

Screen Specifications:

The LCD screen is manufactured with high precision and features a 99.99% effective pixel rate. Although this is a high-quality screen, you may occasionally observe pixels that appear always on (lit) or off (black). This is a normal occurrence in LCD technology and does not affect the camera's functionality or the images you capture.

Visibility in Bright Light:

Under bright lighting conditions, images displayed on the LCD may be difficult to see. For optimal viewing, use the camera in shaded or indoor environments.

Handle with Care:

Avoid placing undue pressure on the LCD screen, as this could lead to permanent damage or malfunction. If the screen cracks or becomes unresponsive, seek professional repair services.

Charging the Battery

Charging Conditions:

To ensure optimal battery performance and longevity, it's recommended to charge the battery indoors at a temperature between **5°C (41°F) and 35°C (95°F)**. Charging the battery when it's too cold or too hot can reduce its efficiency and lifespan.

Battery Temperature:

If the battery becomes excessively hot during charging, immediately disconnect it from the power source. This could indicate a malfunction, which may require professional assistance. The battery may feel warm during and after extended use—this is normal and typically poses no risk.

Avoid Overcharging:

Once the battery reaches full charge, unplug the charger. Continuous charging after the battery is full can degrade performance over time.

Storage Recommendations

If you do not plan to use your camera for an extended period, follow these guidelines to ensure that it remains in optimal condition:

- **Battery Removal**: Always remove the battery from the camera if it will be stored for several weeks or longer. This prevents potential battery leakage and reduces the risk of damage to the internal components.

- **Ideal Storage Conditions**: Store the camera in a cool, dry environment where the temperature remains **between -10°C (14°F) and 50°C (122°F)**. Avoid environments with high humidity (above 60%), as excessive moisture may cause internal corrosion or mold growth on the lens.

Recycling and Disposal of Batteries

When your battery no longer holds a charge, it should be recycled properly. Used batteries are classified as hazardous waste due to their chemical contents and should not be disposed of with regular household trash. Always consult local regulations on proper recycling or disposal methods for electronic waste and batteries.

2.0 Buttons and Operation Overview

| 1. LCD Screen |
| 2. Rubber Grip |
| 3. USB \| Memory Card Port |
| 4. Focus Adjustment Ring |
| 5. Objective Lens |
| 6. IR (Night Vision) LED |

1. Power Button
2. Mode | Menu Button
3. Infrared LED Button
4. Right | Zoom Out
5. OK | Capture Button
6. Left | Zoom In
7. Battery Door
8. Tripod Mount
9. Strap Hook

2.1 Buttons & Overview Explained

Function	Description
Power	Press and hold for 3 seconds to power on and off.
Mode	Tap to cycle between Photo, Video and Playback modes. **For Menu:** Hold to access settings menu.
Left | Zoom In	**In Video or Photo:** Press and hold to zoom in. **In Menu:** Press to navigate menus and options. **In Playback:** Press to scroll through media gallery.
Right | Zoom	**In Video or Photo:** Press and hold to zoom out. **In Menu:** Press to navigate menus and options. **In Playback:** Press to scroll through media gallery.
OK | Capture	**In Photo:** Tap to capture a photo. **In Video:** Tap to start and stop recording. **In Menu**: Tap to confirm a setting.
Battery Door	Door to protect the battery compartment.
LCD Screen	Monitor to display live view and media.
USB | Memory Card Port	Port for charging battery, transferring photos to a PC, or inserting and removing a memory card.
Focus Adjustment Ring	Turn in either direction to produce a clear view.
Objective Lens	Lens that offers magnified detail to your photos
Infrared LED Button	Tap to cycle between Infrared Night Vision modes.
Tripod Mount	Mount port for attaching to a tripod nut.
Rubber Grip	Safety grip for stability while handling monocular.
Strap Hook	Hook to attach neck strap.

Getting Started

2.2 Inserting the Memory Card

Insert the MicroSD memory card, with the metal contacts facing down, as shown below. Push the memory card in until you hear an audible click.

The MicroSD memory card can only be inserted in one way. Do not force the card in if it will not go in smoothly. If it is not inserting smoothly, then it is likely being inserted incorrectly.

To remove the MicroSD memory card, simply push the card in and the card will eject back out.

NOTE:
• Format the memory card before using the camera (Caution: this will erase all data on the card).

• Do not remove or insert the memory card when recording. It may damage the card or cause data loss.

• Memory card rating must be Class 10 or above.

• Maximum capacity MicroSD supported is 128GB.

2.3 Battery & Battery Door

The monocular includes a preinstalled battery that can be inserted or removed. The monocular's battery door can be opened simply for removal or inserting purposes.

See below instructions for best usage.

1. Start by holding the monocular with the lens facing up.
2. Take hold of the door's handle, as shown below, and pull it down and out until the door pops off.
3. To put it back on securely, line up the door's hooks with the nooks shown below, and click into place.

2.4 Charging the Battery

Connect your monocular to the included AC adaptor with the USB cable provided. Insert the small end of the USB plug into the camera's port, and the larger end into the included AC adaptor.

2.5 Powering the Camera On/Off

To power the camera on, press and hold the **POWER** button for 3 seconds. To power the camera off, press and hold **POWER** button for 3 seconds.

If the camera's battery is low, a "Low Power" message will display on the screen and it will automatically shut down within a few seconds to prevent memory corruption or loss.

2.6 Switching Modes

Press the **MODE** button to cycle between Photo, Video and Playback Modes. The corresponding mode will be displayed in the top left corner of the screen.

Photo Mode 📷

Photo mode is a standard mode for capturing still images. Press the **PHOTO** button to capture an image.

Note: Only one photo can be taken per shutter press.

Video Mode 📹
Video Mode is a standard mode for recording video. Press the
OK/CAPTURE button to begin recording, and press the **OK/CAPTURE**
button to stop recording.

Note: Only one video file can be recorded per shutter press.

Playback Mode
Playback Mode will allow you to review all of your captured videos
and photos. To enter **Playback** mode, press the **MODE** button. To
exit **Playback** mode at any time, press the **MODE** button again.

2.7 Using the Digital Zoom Function

The MNDM10B is equipped with an 8x digital zoom function. Digital zoom enlarges your photo electronically by cropping and enlarging the central part of the photograph. The digital zoom function is in addition to the monocular's 10x magnification.

To operate the digital zoom function, press and hold the **ZOOM IN (LEFT)** button to zoom in closer to the subject, and press and hold the **ZOOM OUT (RIGHT)** button to zoom out away from the subject.

ZOOM IN ———   ——— **ZOOM OUT**

Zooming can be done prior to shooting or during shooting to magnify your selected subject.

2.8 Photo Mode
Press the **MODE** button to switch to Photo Mode. The meaning of each icon within Photo Mode is explained in the table below:
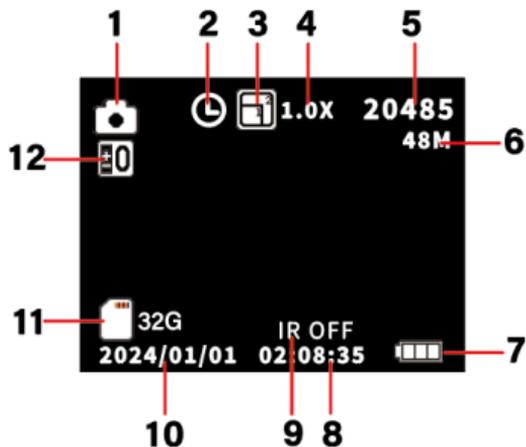
1) Photo Mode	
2) Self Timer	
3) Photo Burst	
4) Digital Zoom Level	
5) Photos Remaining	
6) Photo Resolution	
7) Battery Level	
8) Current Time	
9) IR Night Vision Status	
10) Current Date	
11) Memory Card Inserted	
12) Exposure Value	

2.8 Video Mode
Press the **MODE** button to switch to Video Mode. The meaning of each icon within Video Mode is explained in the table below:
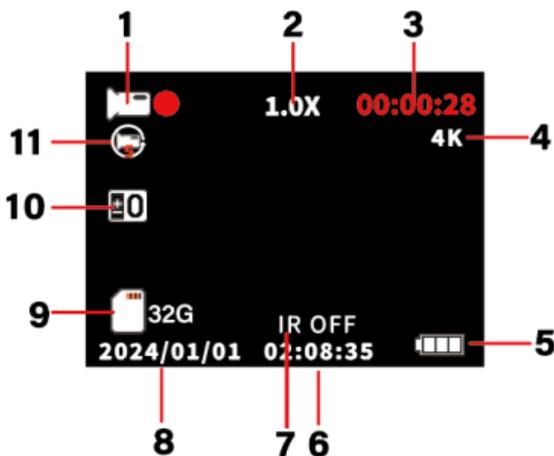
1) Video Mode	
2) Zoom Level	
3) Recording Time Elapsed	
4) Video Resolution	
5) Battery Level	
6) Current Time	
7) IR Night Vision Status	
8) Current Date	
9) Memory Card Inserted	
10) Exposure Value	
11) Loop Recording Status	

Using Your Monocular

3.0 Adjusting Focus

To adjust the focus for the best viewing experience, follow the below directions.

4. Start by looking into the LCD screen of your monocular.
5. Hold the monocular firmly at the rubber grip, and rotate the focus ring **(A)** in either direction until your view comes into clear focus.
6. Adjustments may be necessary in between uses.

Note: The monocular needs to be powered on to function.

Using the Camera

3.1 Capturing a Photo

To capture a photo, power the camera on and it will automatically default to Photo Mode. See below tips for best usage of the camera.

1. When using the monocular, line up your shot by looking at the LCD screen to see what's in view.
2. Press and hold the **LEFT** or **RIGHT** buttons to zoom in or out.
3. Hold the monocular steady and press the **OK/CAPTURE** button to capture a photo when in frame.
4. The number of photos that can be captured at a particular resolution will be displayed in the top right corner of the screen.
5. If there is no memory card inserted, a "PLEASE INSERT SD CARD" alert will be shown on the screen when in Playback Mode. A "CARD FULL" alert will be shown on the screen when the memory card is full.
6. The number of remaining photos is determined by the selected photo resolution. The higher the photo resolution, the lower the number of photos you are able to be save to the memory card. Before capturing any photos, you may select a preferred photo resolution.

3.2 Capturing Video

To capture video, power the camera on and press the **MODE** button to switch modes to video. A video camera icon will appear in the top left corner of the screen to indicate the correct mode.

1. When using the monocular, line up your shot by looking at the LCD screen to see what's in view.
2. Press and hold the **LEFT** or **RIGHT** buttons to zoom in or out.
3. The amount of time allotted for recording is displayed in the top right corner of the screen.
4. Hold the monocular steady and press the **OK/CAPTURE** button to begin recording.
5. When recording begins, a rolling timer will display in red in the top right corner of the screen. This indicates the recorded current video time elapsed.
6. Press the **OK/CAPTURE** button to stop recording.
7. The recorded video files will automatically save onto the inserted memory card, and will be accessible in Playback Mode.

3.3 Infrared (Night Vision)

The IR feature allows the monocular to capture clear images in low-light or completely dark environments. This enables enhanced visibility and detail, making it ideal viewing and recording in total darkness.

There are 3 IR settings to suit your needs. Total Darkness 1, Total Darkness 2, and Total Darkness 3. See below tips for best usage.

1. To get started, press the IR button as shown below.
2. Press the **UP** or **DOWN** button to adjust the brightness levels to your needs. The darker the environment is, the higher setting you should apply.
3. Press the IR button again to turn off IR.

Note: Once IR is enabled, everything will be displayed and recorded in black & white.

3.4.0 Settings Menu

All camera settings can be changed or updated in the Settings menu. To get started, power the camera on and hold the **MODE** button to enter the Settings menu.
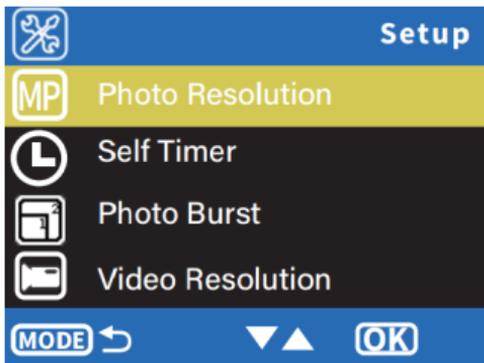
3.4.1 Photo Resolution

This function sets the photo resolution. The higher the resolution, the greater the photo quality and the larger the file size of the photo.
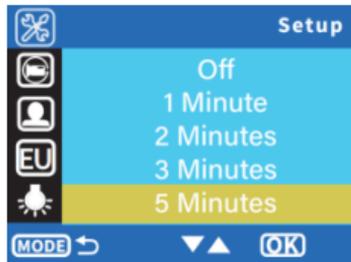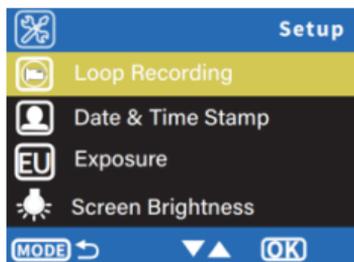1. In Photo or Video Mode, press the **MENU** button.
2. Select *'Photo Resolution'* using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to enter the submenu.
3. You may select from *48 Mega Pixels, 30 Mega Pixels, 20 Mega Pixels,* and *8 Mega Pixels.*
4. Highlight your selection by using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to confirm your selection.
5. Press the **MENU** button to exit the menu.
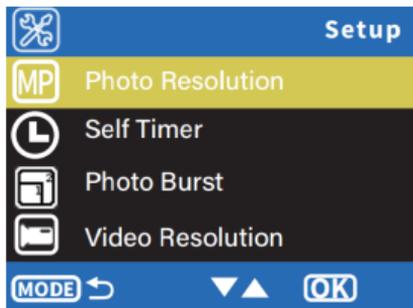
3.4.2 Time Lapse

This function allows you to enable a countdown timer to automatically capture a photo after a set elapsed duration.
1. In Photo or Video Mode, press the **MENU** button.
2. Select *'Time Lapse'* using **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to enter the submenu.
3. You may select from *Off, 2 Seconds, 5 Seconds,* and *10 Seconds*.
4. Highlight your selection by using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to confirm your selection.
5. Press the **MENU** button to exit the menu.
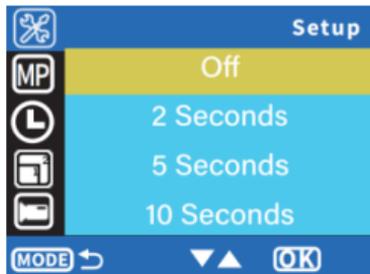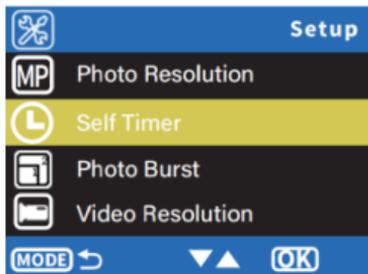
3.4.3 Photo Burst

This setting allows you to take 3 consecutive pictures automatically.
1. In Photo or Video Mode, press the **MENU** button.
2. Select *'Photo Burst'* using **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to enter the submenu.
3. You may select from *Off* and *3 Photos.*
4. Highlight your selection by using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to confirm your selection.
5. Press the **MENU** button to exit the menu.
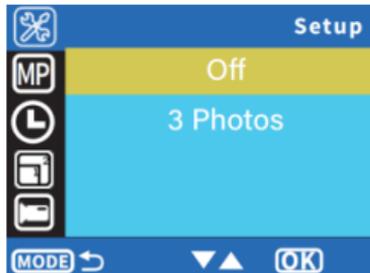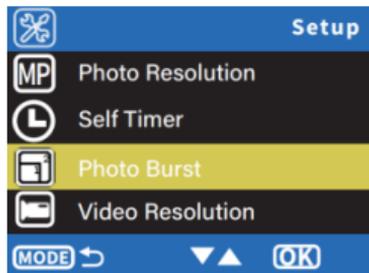
3.4.4 Video Resolution

This function sets the video resolution. The higher the resolution, the greater the video quality and the larger the file size of the video.
1. In Photo or Video Mode, press the **MENU** button.
2. Select *'Video Resolution'* using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to enter the submenu.
3. You may select from *4K UHD, 2.5 QHD, 1080P FHD,* and *720P*.
4. Highlight your selection by using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to confirm your selection.
5. Press the **MENU** button to exit the menu.
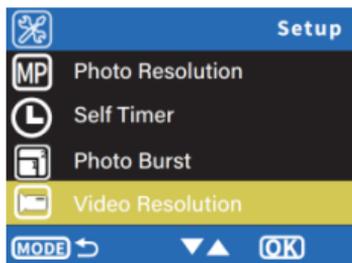
3.4.5 Loop Recording

This menu allows you to enable an automatic capture of multiple video recordings in a loop, determined by the chosen duration. Once your selected duration recording time is reached, the camera will end the recording and begin recording a new video file seamlessly.
1. In Photo or Video Mode, press the **MENU** button.
2. Select *'Loop Recording'* using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to enter the submenu.
3. You may select from *Off, 1 Minute, 2 Minutes, 3 Minutes,* and *5 Minutes*.
4. Highlight your selection by using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to confirm your selection.
5. Press the **MENU** button to exit the menu.

3.4.6 Date & Time Stamp

This setting allows you to imprint a date & time onto your recorded files. Once a file is recorded with the imprint, the imprint cannot be removed.
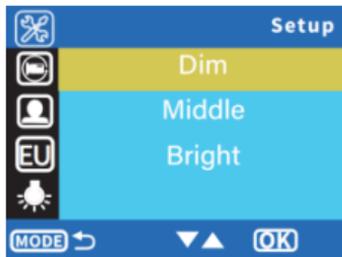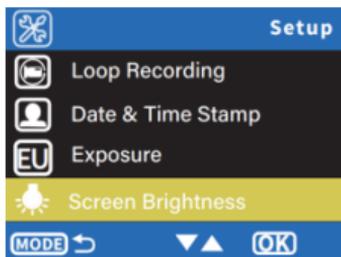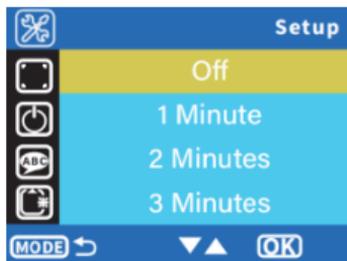
1. In Photo or Video Mode, press the **MENU** button.
2. Select *'Date & Time Stamp'* using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to enter the submenu.
3. You may select from *Off* and *On*.
4. Highlight your selection by using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to confirm your selection.
5. Press the **MENU** button to exit the menu.
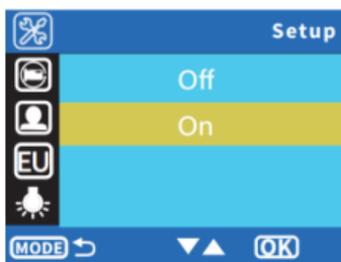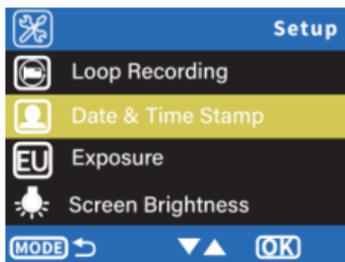
3.4.7 Screen Brightness

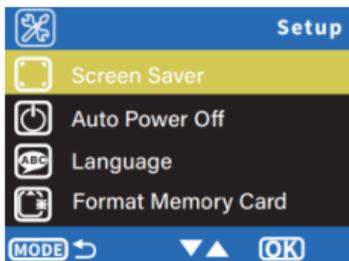This function allows you to set the brightness of the LCD screen.

1. In Photo or Video Mode, press the **MENU** button.
2. Select *'Screen Brightness'* using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to enter the submenu.
3. You may select from *Dim, Middle,* and *Bright.*
4. Highlight your selection by using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to confirm your selection.
5. Press the **MENU** button to exit the menu.

3.4.8 Screen Saver

This setting controls the amount of time before the LCD screen turns off to save power.

1. In Photo or Video Mode, press the **MENU** button.
2. Select *'Screen Saver'* using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to enter the submenu.
3. You may select from *Off, 1 Minute, 2 Minutes, and 3 Minutes.*
4. Highlight your selection by using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to confirm your selection.
5. Press the **MENU** button to exit the menu.

3.4.9 Auto Power Off

This function sets the duration of time in which the camera will wait with no user input before automatically powering off.
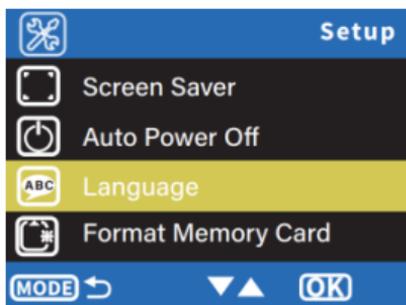
1. In Photo or Video Mode, press the **MENU** button.
2. Select *'Auto Power Off'* using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to enter the submenu.
3. You may select from *Off, 1 Minute, 3 Minutes, 5 Minutes.*
4. Highlight your selection by using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to confirm your selection.
5. Press the **MENU** button to exit the menu.
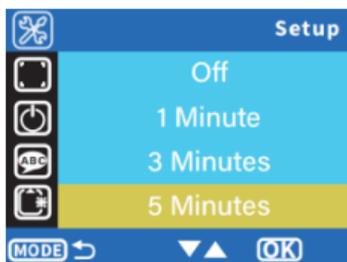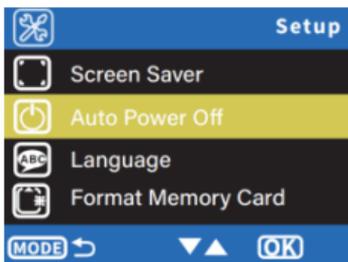
3.4.10 Language

This function allows you to set the camera's interface language.
1. In Photo or Video Mode, press the **MENU** button.
2. Select *'Language'* using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to enter the submenu.
3. Highlight your selection by using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to confirm your selection.
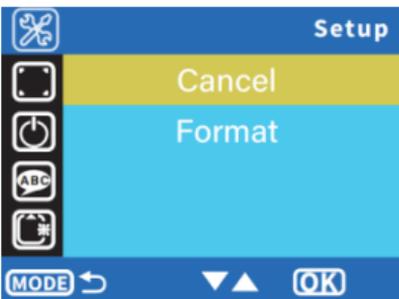4. Press the **MENU** button to exit the menu.

3.4.11 Format Memory Card

The format setting erases all photos, videos and data stored on your memory card.
1. In Photo or Video Mode, press the **MENU** button.
2. Select *'Format Memory Card'* using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to enter the submenu.
3. You may select from *Cancel* and *Format*.
4. Highlight your selection by using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to confirm your selection.
5. Press the **MENU** button to exit the menu.

NOTE: This will delete all of your media and cannot be undone

3.4.12 Date & Time Set Up

This function allows you to set the current Date and Time on your recorded video clips and captured photos.

1. In Photo or Video Mode, press the **MENU** button.
2. Select *'Date & Time Set Up'* using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to enter the submenu.
3. Press the **OK/CAPTURE** button to switch between year, month, day, hours and minutes.
4. Once your desired field is highlighted, press the **LEFT** or **RIGHT** buttons to cycle through numbers.
5. Once completed with all of the fields, press the **OK/CAPTURE** button to confirm the changes and exit the menu.
6. Press the **MENU** button to exit the menu.
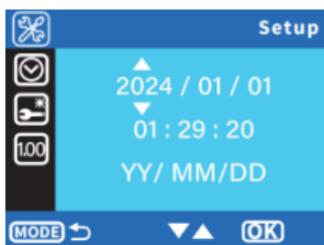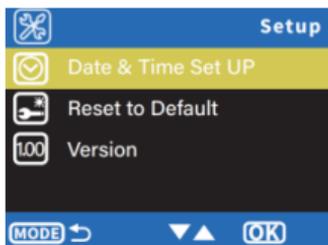
3.4.13 Reset to Default

Factory default settings can be restored with this function. It will not delete the media stored on the memory card, and will only restore all of the menu's setting back to factory default settings.

1. In Photo or Video Mode, press the **MENU** button.
2. Select *'Reset to Default'* using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to enter the submenu.
3. You may select from *Cancel* and *OK*.
4. Highlight your selection by using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to confirm your selection.
5. Press the **MENU** button to exit the menu without making a selection.
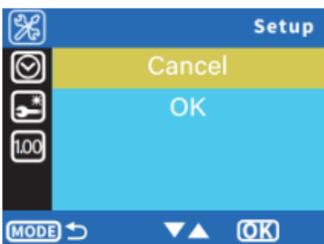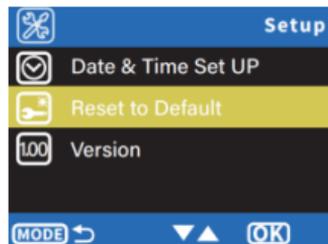
3.4.14 Version

This function allows you to see the firmware version of your camera.
1. In Photo or Video Mode, press the **MENU** button.
2. Select *'Version'* using the **LEFT** or **RIGHT** buttons and press the **OK/CAPTURE** button to enter the submenu.
3. The firmware version will be displayed on the screen.
4. Press the **MENU** button to exit the menu.
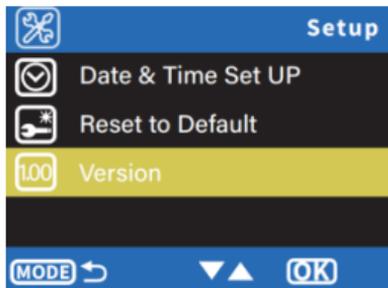
3.5 Playback Mode

The captured photos and videos can be easily played back within this mode.

Note: Your last recorded image or video will appear on the screen when first entering.

1. To get started, power the camera on and press the **MODE** button to switch to Playback Mode.
2. Press the **LEFT** or **RIGHT** buttons to cycle through the captured videos and photos stored on the memory card.
3. To review a recorded video, press the **OK/CAPTURE** button.
4. Press the **MODE** button to exit Playback Mode.

In Playback Mode the following options are available:

3.5.1 Delete
This function serves to delete photos and videos. Files can be deleted singly or all at once.
1. In Playback Mode press the **MENU** button to enter the '*Delete'* menu.
2. Press the **OK/CAPTURE** button to select '*Delete*'.
3. Once in the '*Delete*' submenu, highlight your selection using the **LEFT** or **RIGHT** buttons.
4. You may select from *Delete Current* and *Delete All*.
5. Press the **MENU** button to exit the menu without deleting any pictures or videos.

3.5.2 Photo Playback
Captured photos can be viewed on your camera.
1. In Playback Mode, press the **LEFT** or **RIGHT** buttons to sort through the photo files available for playback.
2. Press the **MODE** button to exit Playback Mode.

3.5.3 Video Playback
Captured videos can be played back and viewed on your camera.
1. In Playback Mode, press the **LEFT** or **RIGHT** buttons to sort through the video files available for playback.
2. Press the **OK/CAPTURE** button to start playing the video. Press the **MODE** button to stop the video and exit Playback Mode.

3.6 Connecting to a Computer

Your camera can connect to a computer to transfer photo and video files for viewing and editing. To connect the camera to your computer, locate the USB-C port on the side of the camera. Insert the small end of the USB-C plug into the camera's port and the larger end into a USB port on your computer.

NOTE: You must plug directly into an integrated USB port and not into a USB peripheral hub or extension.

Once connected and powered on, the camera's screen will display the option as follows.

Mass Storage
Will allow you to access the files on the inserted memory card via your computer.

PC Camera
Will allow the camera to function as a PC Camera/webcam.

Use the **UP** or **DOWN** buttons to select your desired mode and press the **CAPTURE/OK** button to enter into the selected mode. A selection is not required. You may leave the camera as-is to recharge the camera's battery using your computer as a power source.

3.6.1 Transferring Media to a PC

Once you've connected the USB-C cable to your computer, powered on your camera, and entered **Mass Storage Mode** on your camera, your computer should recognize it immediately.

1. You should see the **AutoPlay** window pop up. Click the **AutoPlay** box in the bottom-right corner of your computer screen.

2. Select **Open folder to view files**. This will open the File Explorer. You may need to scroll down to find this option.

   Alternatively, you can open this folder manually. Right-click the Start menu and click **File Explorer**. Click **This PC** listed on the left panel, and then find the drive of your memory card.

3. Click **DCIM**. You may see the photos immediately. In most cases, photos will be in folder labeled DCIM (Digital Camera Photos), or in another subfolder with the DCIM folder.

4. Select the photos you want to transfer. You can transfer individual photos, or press **CTRL + A** on your keyboard to select all the photos in the folder.

   To select multiple photos, hold **CTRL** and click each photo.

5. Drag the pictures to a new location on your PC. You can drag the photos into the **Pictures** folder, or you can create a new folder.

   If you want to delete the photos from your camera's memory card, wait for the files to finish transferring to your computer. Return to the memory card's folder and press **CTRL + A** to select all the photos. Right-click the photos, then click **Delete**.
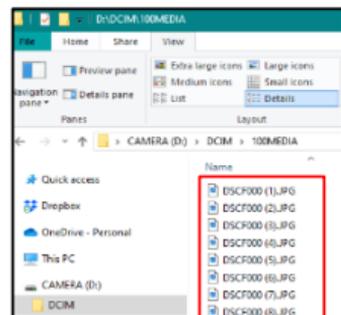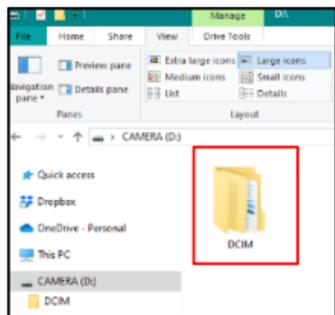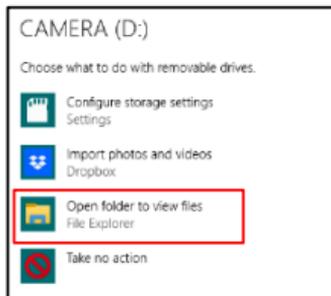
3.7 Maintenance & Cleaning

• Only use a clean microfiber cloth to clean fingerprints or dust from the lenses.
• Only use liquid cleaning products specifically designed for prescription glasses.
• Do not disassemble or try to clean inside of the monocular.
• Store the monocular in a dry or ventilated place when not in use.

CAUTION: Do not look at the sun with the monocular. You can cause permanent damage to your eyes.

4.0 Technical Specifications

Model Number	MNDM10B
Magnification	10X
Objective Lens Diameter	25mm
Field of View (Camera Lens)	14° D / 10° H
Minimum Focus Distance	40cm / 1.3 ft
Sensor	8.0 MP CMOS
Shutter	Electronic
Camera Lens	F/1.2 f=25mm
Pixels (photo)	**JPEG:** 48 Mega Pixels • 30 Mega Pixels • 20 Mega Pixels • 8 Mega Pixels
Pixels (video)	**AVI:** 4K UHD (30 FPS) • 2.5k QHD (30 FPS) • 1080P (30 FPS) • 720P (30 FPS)
Zoom	8X Digital
LCD Monitor	3.0" LCD Monitor 640x360
Power Saving Mode	OFF • 1 Minutes • 3 Minutes • 5 Minutes
Recording Media	MicroSD • MicroSDXC; Maximum: 128GB
I/O Ports	USB-C • Microphone (built-in MIC) • Speaker (built-in)
Power	Lithium-Ion 3.7v, 2600 mAh (Type: 18650)
Dimensions	5.5 x 4.9 x 2.4 in. • 11.6 oz.

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