



E205WS



User Manual

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1.0 Introduction

About this Manual

Congratulations on purchasing the Minolta MNTC400W Trail Camera!

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

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

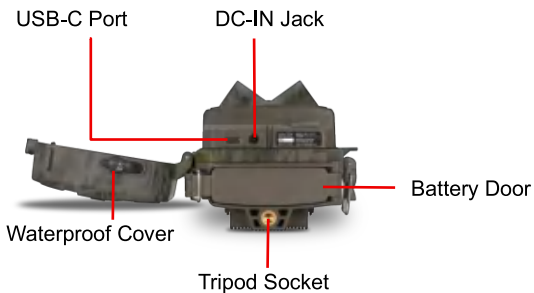
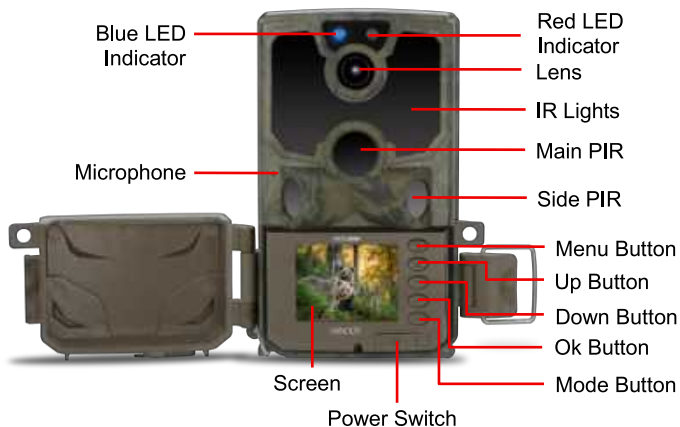
Safety and Handling Precautions Camera Information

- Do not disassemble or attempt to service the camera yourself.
- Do not expose the camera to moisture, or extreme temperatures.
- Allow the camera to warm up when moving from cold to warm temperatures.
- Do not touch and put pressure on the camera lens.
- Do not expose the lens to direct sunlight for extended periods.
- Do not use abrasive chemicals, cleaning solvents or strong detergents to clean the product. Wipe the product with a slightly damp soft cloth.
- Do not look directly into the infrared LEDs while they are operating.
- To prevent you from falling over or resulting in traffic accident, please do not use the camera while you are walking, driving or riding a vehicle.
- Please handle the camera strap with care, and never place the strap around the neck of an infant or child. Wrapping the strap around a neck may cause suffocation.
- Do not subject the LCD screen to impact.
- To prevent the risk of fire or electric shock, do not expose this appliance to rain or moisture.

Battery Information

- Turn off the camera before installing or removing the battery.
- Use only the provided batteries or type of battery and charger that came with your camera. Using other types of battery or charger may damage the device and invalidate the warranty.
- Inserting the battery upside down can cause damage to the product and possibly cause an explosion.
- When the camera is used for an extended period of time, it is normal for the camera body to feel warm.
- Download all pictures and remove the battery from the camera if you are going to store the camera for a long period of time.
- Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- Please keep the batteries out of the reach of children to prevent from swallowing batteries, which might cause poisoning.

1.1 Buttons and Operation Overview



1.2 Buttons and Operation Overview Explained

Name	Function
Blue LED Indicator	Indicates when the main PIR sensor is triggered by motion. Flashes during the monitoring countdown period. Flashes rapidly while connecting to the smartphone app and slowly when successfully connected to the smartphone app.
Red LED Indicator	Indicates when side PIR is triggered by motion.
Lens	Captures photos and video recordings.
IR Lights	Provide infrared illumination for nighttime recording.
Main PIR	Detects motion directly in front of the camera.
Side PIR	Expands motion detection coverage from the sides of the camera.
Microphone	Captures audio during video recording when audio recording is enabled.
Screen	Displays live preview, playback, menus, and camera settings.
Menu Button	Opens and exits the settings menu.
Up Button	Navigates upward through menu options, settings, or saved files.
Down Button	Navigates downward through menu options, settings, or saved files.
OK Button	Confirms menu selections and settings.
Mode Button	Switches between Photo, Video, and Playback preview modes while in TEST mode.
Power Switch	Switches between OFF, TEST, and ON operating modes.
USB-C Port	Connects the camera to a power source or compatible computer.
DC-IN Jack	Connects an external DC power source to the camera.
Battery Door	Provides access to the battery compartment.
Tripod Socket	Allows the camera to be mounted to a compatible tripod or mounting accessory.

1.3 Camera Features and Operation

The Minolta MNTC400W is designed for outdoor monitoring, wildlife observation, property surveillance, and remote recording applications. The camera automatically captures photos or videos when motion is detected by the PIR motion sensors.

The camera includes infrared night vision LEDs for recording in low-light and nighttime environments, along with Wi-Fi connectivity for viewing live camera previews, transferring files, and adjusting settings using a compatible smartphone app.

This manual explains the camera's operating modes, mounting options, menu settings, wireless functions, and playback features to help you get the best performance from your trail camera.

1.4 Opening and Closing the Camera Housing

The MNTC400W uses a weather-resistant front housing to help protect the camera from outdoor conditions. Always ensure the housing is securely closed before placing the camera outdoors.

Properly closing and latching the housing helps maintain the camera's IP66 weather-resistant protection.

Follow these steps to open and close the camera housing:

- 1. Locate the Side Latches**
Release the locking latches located on the sides of the camera housing.
- 2. Open the Front Cover**
Carefully pull the front cover open to access the internal controls, display, battery compartment, and memory card slot.
- 3. Verify Access**
Make sure the camera is fully open before installing batteries, inserting a memory card, or adjusting settings.
- 4. Close the Camera Housing**
Close the front cover and secure both side latches before outdoor use.

1.5 Installing the Batteries

The MNTC400W can operate using either 4 or 8 AA batteries. Using 8 batteries provides longer operating time in the field.

Follow these steps to install the batteries:

1. **Open the Camera Housing**
Open the front housing cover to access the battery compartment.
2. **Install the Batteries**
Insert 4 or 8 AA batteries into the battery compartment. Refer to the diagrams below for the correct battery placement and orientation.
3. **Verify Installation**
Make sure all batteries are installed correctly and seated securely in the battery compartment.
4. **Close the Housing**
Close and latch the camera housing securely before use.

NOTE:

- When using 4 AA batteries, insert them consecutively as shown below.
- Do not mix old and new batteries.
- Do not mix battery types.
- Remove the batteries if the camera will not be used for an extended period.



4 AA Batteries



4 AA Batteries



8 AA Batteries



1.6 Installing the Memory Card

The camera requires a memory card to save photos and videos.

Follow these steps to install the memory card:

1. **Open the Camera Housing**
Open the front housing cover to access the memory card slot.
2. **Align the Memory Card**
Hold the memory card so the metal contacts face the correct direction shown beside the slot.
3. **Insert the Memory Card**
Gently push the memory card into the slot until it clicks into place.
4. **Verify Installation**
The card should remain securely seated inside the slot.
5. **Remove the Memory Card**
To remove the card, gently press the card inward until it releases and slides outward.

NOTE:

- Format the memory card before first use.
- Do not remove the memory card while the camera is capturing photos or recording video.
- Use a Class 10 or higher memory card for best performance. The camera supports cards up to 128GB.



1.7 Powering the Camera On and Off

The POWER switch controls the camera's operating states, including TEST mode for setup and ON mode for active monitoring.

Follow these steps to power the camera on or off:

1. **Locate the Power Switch**
Open the camera housing and locate the POWER switch.
2. **Enter Test Mode**
Move the POWER switch to the TEST position to access the display screen, playback mode, and camera settings.
3. **Enter Monitoring Mode**
Move the POWER switch to the ON position to activate motion detection and automatic recording.
 - The camera enters a short startup countdown before motion monitoring begins. This allows you time to close the housing and leave the monitoring area before recording starts.
4. **Turn the Camera Off**
Move the POWER switch to the OFF position when the camera is not in use.

NOTE: Always wait for recording activity to stop before turning the camera off.



1.8 Mounting the Camera

The MNTC400W is designed for outdoor placement on trees, posts, walls, or other stable surfaces.

Follow these steps to mount the camera:

1. **Select a Mounting Location**
Choose a stable surface with a clear view of the area you want to monitor.
2. **Secure the Camera**
Use the included mounting strap or mounting hardware to secure the camera firmly in place.
3. **Adjust the Camera Position**
Aim the camera toward the desired monitoring area.
4. **Verify the Placement**
Make sure branches, tall grass, or other moving objects are not directly in front of the motion sensors.

NOTE:

- Position the camera approximately 6 inches to 6 feet above the ground for general wildlife monitoring.
- Avoid aiming the camera directly toward sunlight.
- Moving vegetation or nearby heat sources may trigger unwanted recordings.



1.9 Adjusting the Camera Position

Proper positioning helps improve motion detection accuracy and recording quality.

Follow these steps to adjust the camera position:

- 1. Open the Camera Housing**
Release the side latches and open the camera housing.
- 2. Enter Test Mode**
Move the POWER switch to the TEST position.
- 3. Check the Camera View**
Use the display screen to confirm the monitoring area.
- 4. Adjust the Camera Angle**
Tilt or reposition the camera until the desired area is visible.
- 5. Secure the Camera**
Tighten or secure the mounting hardware after adjustments are complete.

1.10 Understanding PIR Motion Detection

The MNTC400W uses Passive Infrared (PIR) motion sensors to detect movement and automatically capture photos or videos.

- Larger moving subjects are easier for the camera to detect.
- Fast movement may reduce image framing accuracy.
- Extreme weather conditions may affect detection performance.
- Warm environments may reduce detection sensitivity.

For best results:

- Position the camera facing across a walking path instead of directly toward it.
- Avoid aiming the camera at moving branches or reflective surfaces.
- Keep the sensor area clean and unobstructed.

1.11 Using Infrared Night Vision

The MNTC400W includes built-in infrared LEDs for recording in low-light and nighttime conditions. When the surrounding environment becomes dark, the camera automatically activates the infrared LEDs to capture photos and videos in black and white.

The infrared LEDs may produce a faint red glow during nighttime operation, and infrared performance may vary depending on environmental conditions and subject distance.

1.12 Understanding Power Switch Modes

The power switch controls the camera's primary operating modes.

- **OFF** - Turns the camera completely off.
- **TEST** - Allows access to the display screen, menu system, playback mode, and camera settings.
- **ON** - Places the camera into active monitoring mode. The camera will automatically capture photos or videos when motion is detected.

NOTE: After moving the POWER switch to the ON position, the camera may enter a short countdown period before motion monitoring begins. This allows you time to close the camera housing and leave the monitoring area before recording starts.

1.13 Using Test Mode

Test Mode allows you to adjust camera settings, review recordings, test placement, and configure the camera before outdoor use.

While the camera is in TEST mode, you can preview the monitoring area, adjust settings, manually capture photos or videos, and review files stored on the memory card.

Follow these steps to enter Test Mode:

1. **Open the Camera Housing**
Release the side latches and open the camera housing.
2. **Move the Power Switch**
Set the POWER switch to the TEST position.
3. **Wait for the Display to Activate**
The camera screen will turn on and display the live view or menu system.
4. **Adjust Settings**
Use the camera buttons to navigate menus and configure settings.
5. **Exit Test Mode**
Move the POWER switch to the ON position when setup is complete.

1.14 Capturing a Test Photo or Video

Test Mode allows you to manually capture test recordings before placing the camera outdoors.

Follow these steps to capture a test photo or video:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Select the Desired Capture Mode**
Use the MODE button to switch between Photo, or Video mode.
3. **Frame the Monitoring Area**
Adjust the camera position while viewing the display screen.
4. **Capture a Test Recording**
Press the OK button to capture a photo or begin recording video. Press the OK button again to stop video recording.
5. **Review the Recording**
Enter Playback Mode to verify framing, lighting, and detection coverage.

1.15 Main Menu Navigation

The settings menu allows you to configure recording modes, image quality, motion detection settings, and system preferences.

Follow these steps to navigate the menu system:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Navigate Through Options**
Use the UP and DOWN buttons to scroll through settings and menu options.
4. **Change a Setting**
Press the OK button to enter a submenu or confirm a selection.
5. **Return to the Previous Menu**
Press the MENU button to return to the previous screen.
6. **Exit the Menu**
Press the MENU button again to exit the settings menu.

1.16 Formatting the Memory Card

Formatting prepares the memory card for use with the camera.

NOTE: Formatting permanently deletes all files stored on the memory card.

Follow these steps to format the memory card:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Format**
Use the UP or DOWN buttons to highlight Format.
4. **Confirm Formatting**
Press the OK button and confirm the operation.
5. **Wait for Completion**
Do not remove the memory card or power off the camera during formatting.

1.17 Setting Date and Time

Setting the correct date and time ensures accurate timestamps on photos and videos.

Follow these steps to adjust the date and time:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Date / Time**
Use the UP or DOWN buttons to highlight Date / Time.
4. **Adjust the Values**
Use the UP or DOWN buttons to change the selected value.
Press the OK button to move between fields.
5. **Save the Settings**
Press the OK button to confirm the date and time settings.

1.18 Connecting to a Computer

The MNTC400W can connect directly to a compatible computer for transferring photos and videos stored on the memory card.

Follow these steps to connect the camera to a computer:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Connect the USB Cable**
Insert the included USB-C cable into the camera and connect the opposite end to a compatible computer.
3. **Wait for Detection**
Allow the computer a few moments to recognize the camera.
4. **Open the Camera Storage**
Open the detected removable storage device on your computer to access saved photos and videos.
5. **Safely Disconnect the Camera**
Eject the storage device from the computer before disconnecting the USB cable.

NOTE: Keep the camera in TEST mode while connected to a computer.



2.0 Capture Modes

The MNTC400W supports multiple recording configurations for different monitoring situations.

While the camera is in TEST mode, the MODE button switches between Photo, Video, and Playback modes.

Photo, Video, and Photo + Video recording behavior is configured through the Photo or Video menu setting and applies when the camera is operating in ON mode.

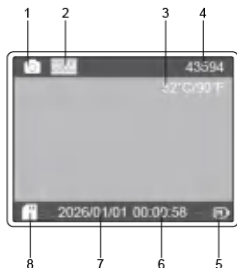


2.1 Photo Mode

Photo Mode captures still images automatically when motion is detected by the PIR motion sensors. Once Monitoring Mode is active, the camera captures photos automatically within the monitored area.

Follow these steps to use Photo Mode:

- 1. Enter Test Mode**
Move the POWER switch to the TEST position.
- 2. Open the Menu**
Press the MENU button.
- 3. Select Capture Mode**
Use the UP or DOWN buttons to highlight Photo or Video.
- 4. Choose Photo Mode**
Press the OK button and select Photo Mode.
- 5. Exit the Menu**
Press the MENU button to return to the live view screen.
- 6. Activate Monitoring Mode**
Move the POWER switch to the ON position.



1	Photo Mode Indicator	5	AA Battery Level Indicator
2	Photo Resolution Indicator	6	Time Indicator
3	Ambient Temperature Indicator	7	Date Indicator
4	Number Of Pictures Available Indicator	8	Memory Card Icon

2.2 Video Mode

Video Mode records video clips automatically when motion is detected. Once Monitoring Mode is active, the camera records video automatically within the monitored area.

Follow these steps to use Video Mode:

- 1. Enter Test Mode**
Move the POWER switch to the TEST position.
- 2. Open the Menu**
Press the MENU button.
- 3. Select Capture Mode**
Use the UP or DOWN buttons to highlight Photo or Video.
- 4. Choose Video Mode**
Press the OK button and select Video Mode.
- 5. Exit the Menu**
Press the MENU button to return to the live view screen.
- 6. Activate Monitoring Mode**
Move the POWER switch to the ON position.



1	Video Mode Indicator	5	AA Battery Level Indicator
2	Video Resolution Indicator	6	Time Indicator
3	Ambient Temperature Indicator	7	Date Indicator
4	Available Recording Time Indicator	8	Memory Card Icon

2.3 Photo + Video Mode

Photo + Video recording allows the camera to capture a photo and a video each time motion is detected.

This setting is configured through the *Photo or Video* menu option and is available only when the camera is operating in ON mode.

Follow these steps to enable Photo + Video recording:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Photo or Video**
Use the UP or DOWN buttons to highlight Photo or Video.
4. **Choose Photo + Video**
Select Photo + Video and press the OK button.
5. **Activate Monitoring Mode**
Move the POWER switch to the ON position.