



User Manual

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1.0 Introduction

About this Manual

Congratulations on purchasing the Minolta MNTC600WS 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 users 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 FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment must be installed and operated in accordance with provided instructions and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must

be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

FCC: SAR standard Value: 1.6 W/Kg, Maximal Measure: 0.4 W/kg

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.

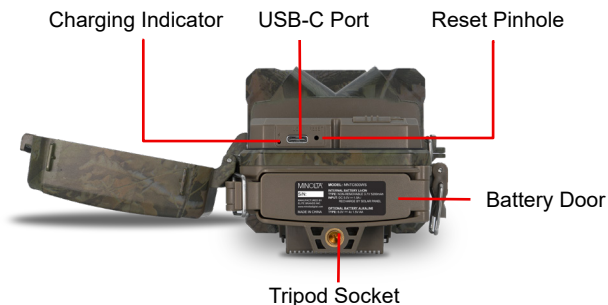
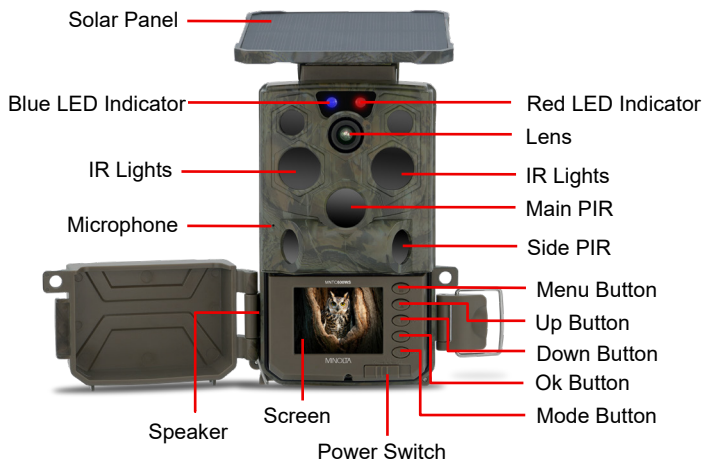
Safety and Handling Precautions Camera Information

- 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
Solar Panel	Helps maintain battery life during outdoor use by collecting sunlight.
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.
Speaker	Plays back audio during video playback.
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.
Charging Indicator	Displays battery charging status while connected to external power.
USB-C Port	Connects the camera to a power source or compatible computer.
Reset Pinhole	Restarts the camera if the system becomes unresponsive.
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 MNTC600WS 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 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 MNTC600WS 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

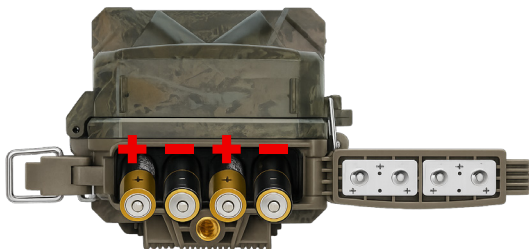
The MNTC600WS includes a built-in rechargeable battery and supports AA batteries for portable outdoor operation.

Follow these steps to install the batteries:

1. **Open the Battery Door**
Open the battery door to access the battery compartment.
2. **Insert the Batteries**
Install the batteries according to the polarity markings inside the battery compartment.
3. **Verify Installation**
Make sure all batteries are installed correctly and seated securely.
4. **Close the Housing**
Close and latch the camera housing securely before use.

NOTE:

- 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.



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.



1.7 Charging the Internal Battery / Solar Panel

The MNTC600WS includes a built-in rechargeable battery and integrated solar panel to help extend operating time outdoors.

Follow these steps to charge the camera:

1. **Locate the USB-C Port**
Open the camera housing and locate the USB-C charging port.
2. **Connect the USB Cable**
Insert the included USB cable into the USB-C port.
3. **Connect to a Power Source**
Connect the opposite end of the cable to a compatible USB power adapter or powered USB port.
4. **Allow the Camera to Charge**
Leave the camera connected until the battery is fully charged.

Charging performance may vary depending on weather, sunlight exposure, power source, and environmental conditions.

1.8 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.
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.



1.9 Mounting the Camera

The MNTC600WS 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.



1.10 Adjusting the Solar Panel Angle

The adjustable solar panel helps maintain battery life by collecting sunlight during outdoor use.

Follow these steps to adjust the solar panel angle:

1. **Position the Camera**
Mount the camera securely in the desired location.
2. **Adjust the Solar Panel**
Carefully tilt the solar panel toward direct sunlight.
3. **Verify Panel Position**
Make sure the panel is not blocked by branches, leaves, snow, or other objects.
4. **Confirm the Adjustment**
Check that the solar panel remains securely positioned after adjustment.

NOTE:

- For best charging performance, position the solar panel toward direct sunlight.
- Keep the solar panel clean and free from dirt or debris.
- Charging performance may vary depending on weather and sunlight conditions.



1.11 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.

1.12 Understanding PIR Motion Detection

The MNTC600WS 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.

1.13 Using Infrared Night Vision

The MNTC600WS 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.

1.14 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.

1.15 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.

1.16 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 Preview Mode**
Use the MODE button to switch between Photo, Video, or Playback 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.

1.17 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.

1.18 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.

1.19 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.

1.20 Connecting to a Computer

The MNTC600WS 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 MNTC600WS supports multiple capture modes for different outdoor monitoring situations. Depending on the selected mode, the camera can capture photos, videos, or both when motion is detected.

In TEST mode, press the MODE button to switch between Photo, Video, or Playback mode for preview and playback functions.

Photo, Video, and Photo + Video capture modes are selected through the camera menu and are used when the POWER switch is moved to the ON position.

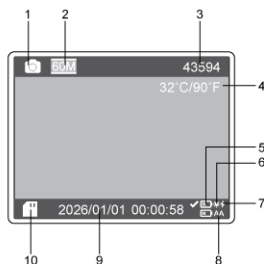


2.1 Photo Mode

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.



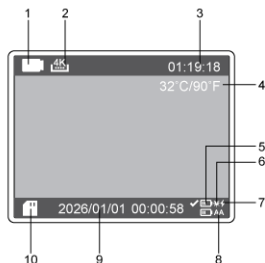
1	Photo Mode Indicator	6	Solar Battery Charging Indicator
2	Photo Resolution Indicator	7	Lithium Battery Charging Indicator
3	Number of Pictures Available Indicator	8	AA Battery Level Indicator
4	Ambient Temperature Indicator	9	Date / Time Indicator
5	Lithium Battery Level Indicator	10	Memory Card Icon

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	6	Solar Battery Charging Indicator
2	Video Resolution Indicator	7	Lithium Battery Charging Indicator
3	Available Recording Time Indicator	8	AA Battery Level Indicator
4	Ambient Temperature Indicator	9	Date/Time Indicator
5	Lithium Battery Level Indicator	10	Memory Card Icon

2.3 Photo + Video Mode

Photo + Video Mode captures a still image before recording a video clip after motion is detected. Once Monitoring Mode is active, the camera captures a photo and then begins recording video automatically within the monitored area.

Follow these steps to use Photo + 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 Photo + Video Mode**
Press the OK button and select Photo + 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.

2.4 Using Photo Series Mode

Photo Series Mode captures multiple photos in quick succession after motion is detected. This feature is useful for capturing fast-moving wildlife or activity and applies to Photo Mode only.

Follow these steps to use Photo Series Mode:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Photo Series**
Use the UP or DOWN buttons to highlight Photo Series.
4. **Choose the Number of Photos**
Select the desired number of photos captured during each trigger event.
5. **Save the Setting**
Press the OK button to confirm the selection.
6. **Activate Monitoring Mode**
Move the POWER switch to the ON position.

2.5 Using Time Lapse

The MNTC600WS supports two Time-Lapse modes that capture media automatically at set intervals, even when no motion is detected.

- Time-Lapse Photo captures a series of photos at the selected interval.
- Time-Lapse Video automatically creates a video using images captured at the selected interval.

Time-Lapse modes are useful for monitoring long-term activity, weather changes, construction projects, plant growth, or wildlife movement patterns.

Follow these steps to use a Time-Lapse mode:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Mode**
Use the UP or DOWN buttons to highlight Mode, then press the OK button.
4. **Choose a Time-Lapse Mode**
Select Time-Lapse Photo or Time-Lapse Video.
5. **Choose an Interval**
Select the desired capture interval.
6. **Activate Monitoring Mode**
Move the POWER switch to the ON position.

2.6 Using Playback Mode

Playback Mode allows you to review photos and videos stored on the memory card directly on the camera display.

Follow these steps to use Playback Mode:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Enter Playback Mode**
Press the MODE button until Playback Mode appears.
3. **Browse Files**
Use the UP or DOWN buttons to view captured photos and videos.
4. **Play a Video**
Press the OK button while viewing a video file to begin playback.
 - Press the OK button again to pause playback.
 - Press the MODE button to stop playback and return to Playback Mode.
 - Use the UP or DOWN buttons to navigate through saved files.
5. **Exit Playback Mode**
Press the MODE button to return to the previous screen.

2.7 Deleting Files

The Delete function allows you to remove unwanted photos and videos from the memory card.

NOTE: Deleted files cannot be recovered.

Follow these steps to delete files:

1. **Enter Playback Mode**
Open Playback Mode while the camera is in TEST mode.
2. **Open the Delete Menu**
Press the MENU button.
3. **Select a Delete Option**
Use the UP or DOWN buttons to highlight Delete Current File or Delete All Files.
4. **Confirm the Selection**
Press the OK button to confirm.
5. **Delete the File(s)**
Select Yes to delete the file or files, then press the OK button.

3.0 Camera Settings

Camera Settings allow you to customize photo capture, video recording, motion detection behavior, system preferences, and monitoring functions.

All camera settings can be adjusted while the camera is in TEST mode.

Follow these steps to access the Camera Settings menu:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Navigate Through Settings**
Use the UP or DOWN buttons to scroll through available settings.
4. **Select a Setting**
Press the OK button to enter or adjust a setting.
5. **Save a Setting**
Press the OK button to confirm a selection.
6. **Exit the Menu**
Press the MENU button to exit the settings menu.

3.1 Selecting a Recording Mode

Recording Mode controls how the camera captures media during operation. Available modes include PIR Detection, Time-lapse Photo, and Time-lapse Video.

Follow these steps to select a Recording Mode:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Mode**
Use the UP or DOWN buttons to highlight Mode.
4. **Choose a Recording Mode**
Select PIR Detection, Time-lapse Photo, or Time-lapse Video.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.2 Adjusting Work Time

Work Time allows the camera to operate only during selected times of day.

When enabled, the camera captures recordings only during the configured schedule.

Follow these steps to adjust Work Time:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Work Time**
Use the UP or DOWN buttons to highlight Work Time.
4. **Enable Work Time**
Select On to enable scheduled operation.
5. **Set the Start and End Times**
Adjust the desired operating schedule.
6. **Save the Setting**
Press the OK button to confirm the schedule.

3.3 Selecting Photo or Video Mode

Photo or Video Mode controls whether the camera captures photos, videos, or both during trigger events.

Follow these steps to select a Photo or Video Mode:

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 a Capture Option**
Select Photo, Video, or Photo + Video.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.4 Adjusting Photo Resolution

Photo Resolution controls the image quality and file size of captured photos.

Higher resolutions provide more image detail but use more memory card space.

Follow these steps to adjust Photo Resolution:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Photo Resolution**
Use the UP or DOWN buttons to highlight Photo Resolution.
4. **Choose a Resolution**
Select the desired image resolution.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.5 Adjusting Video Resolution

Video Resolution controls the recording quality and file size of captured videos.

Higher video resolutions provide improved detail but use more memory card space and battery power.

Follow these steps to adjust Video Resolution:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Video Resolution**
Use the UP or DOWN buttons to highlight Video Resolution.
4. **Choose a Resolution**
Select the desired video resolution.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.6 Adjusting Photo Series

Photo Series controls how many photos the camera captures during a single motion-triggered event.

Photo Series is useful for capturing fast-moving wildlife or activity and applies to Photo Mode only.

Follow these steps to adjust Photo Series:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Photo Series**
Use the UP or DOWN buttons to highlight Photo Series.
4. **Choose the Number of Photos**
Select the desired number of photos captured during each trigger event.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.7 Adjusting Video Length

Video Length controls how long the camera records after motion is detected.

Longer recording times capture more activity but use more memory card space and battery power.

Follow these steps to adjust Video Length:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Video Length**
Use the UP or DOWN buttons to highlight Video Length.
4. **Choose a Recording Length**
Select the desired video duration.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.8 Turning Audio Recording On or Off

Audio Recording allows the camera to capture sound during Video Mode and Photo + Video Mode recordings.

Follow these steps to adjust Audio Recording settings:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Audio Recording**
Use the UP or DOWN buttons to highlight Audio Recording.
4. **Choose On or Off**
Enable or disable audio recording during video capture.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.9 Adjusting PIR Interval

PIR Interval controls how long the camera waits before it can trigger another recording after motion has already been detected.

Longer intervals help reduce duplicate recordings and conserve battery life.

Shorter intervals allow the camera to capture activity more frequently.

Follow these steps to adjust PIR Interval:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select PIR Interval**
Use the UP or DOWN buttons to highlight PIR Interval.
4. **Choose an Interval**
Select the desired delay between trigger events.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.10 Adjusting PIR Sensitivity

PIR Sensitivity controls how responsive the motion sensors are to movement and temperature changes.

Higher sensitivity settings allow the camera to detect smaller or more distant movement.

Lower sensitivity settings help reduce unwanted triggers caused by environmental movement or heat changes.

NOTE: High sensitivity settings may increase false triggers caused by moving vegetation, sunlight, or weather conditions.

Follow these steps to adjust PIR Sensitivity:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select PIR Sensitivity**
Use the UP or DOWN buttons to highlight PIR Sensitivity.
4. **Choose a Sensitivity Level**
Select the desired sensitivity setting.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.11 Turning Side PIR Sensors On or Off

Side PIR Sensors expand motion detection coverage from the sides of the camera.

Disabling the side sensors may help reduce unwanted trigger events in certain environments.

Follow these steps to adjust Side PIR Sensor settings:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Side PIR Sensors**
Use the UP or DOWN buttons to highlight Side PIR Sensors.
4. **Choose On or Off**
Enable or disable the side motion sensors.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.12 Adjusting Fill Light Distance

Fill Light Distance controls the infrared illumination range used during nighttime recording.

Higher settings may improve nighttime visibility at longer distances but can increase battery usage.

Follow these steps to adjust Fill Light Distance:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Fill Light Distance**
Use the UP or DOWN buttons to highlight Fill Light Distance.
4. **Choose a Distance Setting**
Select Near, Middle, or Far.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.13 Turning Camera Name On or Off

Camera Name adds a custom four-digit identifier to captured recordings.

This feature may help identify recordings from multiple cameras.

Follow these steps to adjust Camera Name settings:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Camera Name**
Use the UP or DOWN buttons to highlight Camera Name.
4. **Enable or Disable Camera Name**
Select On or Off.
5. **Enter the Camera Number**
Adjust the four-digit camera identifier if enabled.
6. **Save the Setting**
Press the OK button to confirm the selection.

3.14 Turning Wi-Fi LED On or Off

Wi-Fi LED controls the wireless status light used during Wi-Fi operation.

Follow these steps to adjust Wi-Fi LED settings:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Wi-Fi LED**
Use the UP or DOWN buttons to highlight Wi-Fi LED.
4. **Choose On or Off**
Enable or disable the Wi-Fi LED light.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.15 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 Setting**
Press the OK button to confirm the selection.

3.16 Adjusting Date Format

Date Format controls how the camera displays the current date on menus and recorded files.

Follow these steps to adjust Date Format:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Date Format**
Use the UP or DOWN buttons to highlight Date Format.
4. **Choose a Format**
Select the desired date display format.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.17 Adjusting Time Format

Time Format controls whether the camera displays time using 12-hour or 24-hour format.

Follow these steps to adjust Time Format:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Time Format**
Use the UP or DOWN buttons to highlight Time Format.
4. **Choose a Format**
Select the desired time display format.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.18 Turning Date Stamp On or Off

Date Stamp adds the current date and time directly onto captured photos or videos.

This feature helps organize recordings and identify when files were captured.

Follow these steps to adjust Date Stamp settings:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Date Stamp**
Use the UP or DOWN buttons to highlight Date Stamp.
4. **Choose a Stamp Option**
Enable or disable the date and time stamp.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.19 Turning Loop Recording On or Off

Loop Recording allows the camera to continue recording by overwriting the oldest files when the memory card becomes full.

This feature helps maintain continuous operation during long-term monitoring.

Follow these steps to adjust Loop Recording settings:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Loop Recording**
Use the UP or DOWN buttons to highlight Loop Recording.
4. **Choose On or Off**
Enable or disable Loop Recording.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.20 Turning Beep Sound On or Off

Beep Sound controls the button beep and menu sound effects produced by the camera.

Disabling beep sounds may help reduce noise during outdoor monitoring.

Follow these steps to adjust Beep Sound settings:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Beep Sound**
Use the UP or DOWN buttons to highlight Beep Sound.
4. **Choose On or Off**
Enable or disable beep sounds.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.21 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 Memory Card**
Use the UP or DOWN buttons to highlight Format Memory Card.
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.

3.22 Adjusting System Language

Language settings control the display language used by the camera menus and system messages.

Follow these steps to adjust the language setting:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Language**
Use the UP or DOWN buttons to highlight Language.
4. **Choose a Language**
Select the desired system language.
5. **Save the Setting**
Press the OK button to confirm the selection.

3.23 Activating Password Protection

Password Protection helps prevent unauthorized access to the camera and its settings.

Follow these steps to activate Password Protection:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Password Protection**
Use the UP or DOWN buttons to highlight Password Protection.
4. **Create or Enable a Password**
Enter the desired password and confirm the setting.
5. **Save the Setting**
Press the OK button to confirm the password settings.

NOTE: Store the password in a safe location. Forgotten passwords may prevent access to camera settings.

3.24 Performing a Factory Reset

Factory Reset restores the camera settings to their original default values.

Follow these steps to perform a factory reset:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Factory Reset**
Use the UP or DOWN buttons to highlight Factory Reset.
4. **Confirm the Reset**
Press the OK button and confirm the reset operation.
5. **Wait for Restart**
The camera may restart automatically after the reset is complete.

NOTE: Factory Reset does not delete files stored on the memory card unless the card is formatted separately.

3.25 Viewing Firmware Version

Firmware Version displays the current software version installed on the camera.

This information may be useful when checking for firmware updates or troubleshooting support issues.

Follow these steps to view the firmware version:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select Firmware Version**
Use the UP or DOWN buttons to highlight Firmware Version.
4. **View the Firmware Information**
The current firmware version will appear on the display screen.

4.0 Wi-Fi and App Connection

The MNTC600WS supports Wi-Fi connectivity for transferring photos and videos, viewing a live camera preview, and adjusting camera settings using a compatible smartphone app.

4.1 Downloading the App

The camera includes a built-in QR code for downloading the compatible smartphone app.

Follow these steps to download the app:

1. **Enter Test Mode**
Move the POWER switch to the TEST position.
2. **Open the Menu**
Press the MENU button.
3. **Select App QR Code**
Use the UP or DOWN buttons to highlight App QR Code.
4. **Display the QR Code**
Press the OK button to display the QR code on the screen.
5. **Scan the QR Code**
Use your smartphone camera or QR scanning app to scan the displayed code.
6. **Install the App**
Follow the on-screen instructions on your smartphone to download and install the app.

4.2 Connecting to the App

After installing the app, you can connect your smartphone to the camera using Wi-Fi.

Follow these steps to connect the camera to the app:

1. **Enable Wireless Connections on Your Smartphone**
Turn on Wi-Fi and Bluetooth on your smartphone.
2. **Open the App**
Launch the installed app on your smartphone.
3. **Add the Camera**
Tap Add a Device within the app.
4. **Select the Camera**
Select the camera from the device list that appears.
5. **Complete the Connection**
Follow the on-screen instructions in the app to finish connecting the camera.

NOTE:

- Keep the camera and smartphone within close range during connection.
- Wi-Fi and Bluetooth must remain enabled on your smartphone while connecting.

4.3 Transferring Photos and Videos

The smartphone app allows you to review and transfer saved photos and videos from the camera to a compatible mobile device.

Follow these steps to transfer files:

1. **Connect the Camera to the App**
Complete the Wi-Fi connection process between the camera and smartphone.
2. **Open the Media Gallery**
Use the app to browse saved photos and videos stored on the camera.
3. **Select Files**
Choose the desired files for transfer.
4. **Download the Files**
Follow the on-screen instructions in the app to save files to your smartphone.
5. **Disconnect the App**
Close the app or disable Wi-Fi when file transfers are complete.

5.0 Technical Specifications

Model Number	Minolta MNTC600WS
Image Sensor	CMOS sensor, up to 60 MP (interpolation)
Lens	F/ 1.6, f =4mm FOV: 90°
Storage Media	Micro SD Memory Card U3 or Above 128GB (Max)
Trigger Speed	0.3s
IR LEDs	850NM / 2pcs with adjustable brightness
PIR Sensitivity	High • Medium • Low
PIR Sensing Distance	0 to 20 meters
PIR Angle	120 °
PIR Delay	5s to 1 Hr.
Display Screen	2.0-inch IPS screen
Working Mode	Photo • Video • Photo + Video • Time-Lapse Photo • Time-Lapse Video
Photo	JPG: 60MP • 48MP • 24MP • 16MP
Video	MP4: H.264, 4K 30fps • 2K 30fps • 1080P 30fps
Video Length	5sec. to 300 sec. (Adjustable)
Microphone	Built-in
Speaker	Built-in
Temperature Detection	Support
Operating Voltage	Lithium battery: 3.7V, AA battery: 6V
Wi-Fi	Wi-Fi 6, point-to-point connection to your phone
Bluetooth	BLE 5.2, Bluetooth remote control for mobile phones

Battery Type	Built-in lithium battery 5200mAh, compatible with 4 AA batteries
Rechargeable Power	DC 5V/1.5A, USB TYPE-C
Standby Time	About 6 months
Language	English • German • French • Spanish • Italian • Russian • Dutch • Simplified Chinese • Japanese • Polish
Waterproof Rating	IP66
Dimensions	3.7 × 4 × 6.9 in. (including solar panel) • 15.1 oz.

5.0 Warranty Information

Your Minolta product is covered by a limited one-year warranty from the original date of purchase against defects in materials and workmanship.

At its discretion, Elite Brands Inc. will repair or replace a defective product covered under this warranty. Proof of purchase is required for warranty service.

This warranty does not cover:

- Batteries, flash equipment, or accessories not manufactured by Elite Brands Inc.
- Damage caused by accident, misuse, abuse, impact, sand, dirt, water, or other liquids.
- Damage resulting from failure to follow operating instructions.
- Products that have been modified or serviced by unauthorized parties.

This warranty applies only to products distributed in the United States by Elite Brands Inc. and purchased through authorized dealers. Products obtained through unauthorized dealers, distributors, or sellers are not covered.

Except as expressly stated above, Elite Brands Inc. makes no other warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose. Elite Brands Inc. shall not be liable for any incidental, consequential, or special damages arising from the use of this product.

Some states do not allow certain warranty limitations or exclusions, so these limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary by state.

PRODUCT REGISTRATION

Register your product and view the complete warranty policy at:

www.minoltadigital.com/warranty

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If you're having difficulties with your trail camera, or would like further assistance, please call our toll-free technical support hotline at 800-441-1100. Please be sure to have your trail camera handy when calling.





MINOLTA®

MNTC600WS

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction