

- 3.** Find/Place a target at your desired zeroing distance (DNT recommends 50 yards/meters). Adjust focus on NVMD until target appears in clear view.
- 4.** Select a Point of Aim (POA) on the target. You will get a Point of Impact (POI) on or near the POA, marked as **+** on **Figure 3**.
- 5.** Move your glass optic reticle back to the POA, then freeze the image.
- 6.** In [Clip-On Zeroing], use [X] and [Y] to adjust the position of NVMD's screen display so that the POI **+** on the screen matches the center of your glass optic's reticle, as shown in **Figure 4**.
- 7.** Select [Save] and confirm to save and exit. Your new POA is now zeroed with the POI at your selected distance.

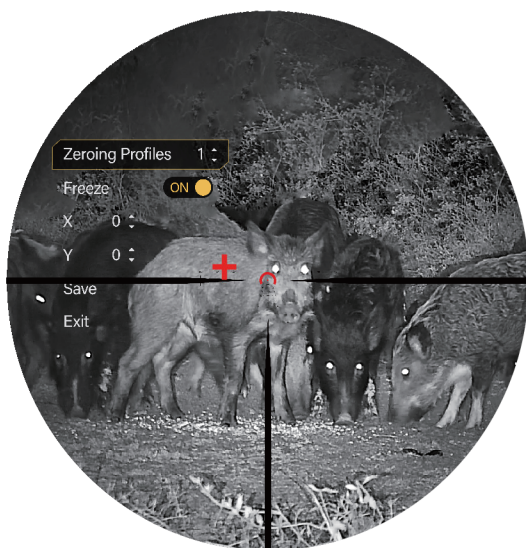


Figure 3

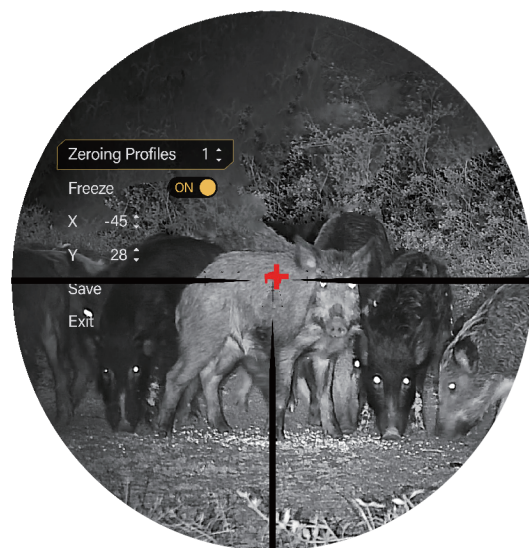


Figure 4

FUNCTIONS

This chapter will explain in detail the main features and functions that NVMD includes, to help you master the operation of your device.

Power / Standby / Auto Power-Off

■ Powering On/Off NVMD

Long-press **Power Button** to power ON/OFF the device.

Note: *The power status of this device is indicated by the **Power Indicator**:*

*When the device is powered on and operating, the **Power Indicator** will shine **BLUE**.*

*When the device is in Standby Mode, the **Power Indicator** will shine **ORANGE**.*

*When performing an OTA firmware update, the **Power Indicator** will flash **ORANGE**.*

■ Standby Mode On/Off

When NVMD is powered ON and not in Menu, press **Power Button** to toggle Standby Mode ON/OFF.

Note: *To maximize battery life during your session, enable Standby Mode whenever the device is idle. Resuming from Standby within 30 seconds will be almost instant. If NVMD has been in Standby for more than 30 seconds, resuming will take less than 3 seconds. (The*

Standby logic in Flip-to-side Mode is different. Please see Page 26 - Flip-initiated Standby.)

If NVMD is recording, enabling Standby Mode will stop and save the current recording. Once you turn Standby Mode OFF, NVMD will automatically start recording a new clip. This is ideal for users who want to capture all active moments throughout their sessions.

■ **Auto Power-Off**

NVMD comes with an Auto Power-Off function, which will automatically turn off the device after it enters Standby Mode for a set duration (10, 20, or 30 minutes). By default, this function is not enabled. You can set it up through:

[Main Menu] > [Function Settings] > [Auto Power Off]

Note: *DNT recommends enabling Auto Power-Off to maximize battery efficiency and avoid unwanted battery drain.*

Recording / Loop Recording / RAV / Audio

■ Recording Start/Stop

In Live View, press **Record Button** to start recording. During recording, press **Record Button** to end current recording. The recorded video will be saved in NVMD's internal storage.

***Note:** Each video will last for a maximum of 10 minutes. Once the time limit is reached, the recording will stop automatically.*

Please closely monitor the available storage in your NVMD through [Main Menu] > [System Settings] > [Available Storage]. Newly recorded videos will be saved even if storage is full. If the storage is full when new recordings are finished, recordings will be automatically deleted to free up spaces, from the oldest to the newest.

■ Loop Recording

To record your entire session, turn on Loop Recording through:

[Main Menu] > [Function Settings] > [Loop Recording]

In [Loop Recording], you can choose from [1 minute], [3 minutes], [5 minutes] or [Off]. Selecting any of these durations enables loop recording. When you press **Record Button** to start recording, the device will continuously record in fixed-length segments. Once the selected duration is reached, the recording automatically stops, saves the clip, and immediately starts a new one. This cycle continues until you press **Record Button** to stop.

■ Recoil Activated Video (RAV)

This feature automatically starts recording when significant recoil is detected. You can toggle this function through:

[Main Menu] > [Recoil Activated Video]

When RAV is ON and the recoil force reaches 450 Gs, the device automatically saves a video that includes 10 seconds before and after the shot. For optimal performance, we recommend using the RAV function with recoil stronger than .22LR.

***Note:** Unlike most other DNT digital scope products, NVMD does not support RAV Manual Mode. We recommend using the Flip-to-Side Action camera instead, which is exclusive to NVMD.*

■ Audio Recording

To record audio along with your video, enable this setting. It is enabled by default and can be toggled through:

[Menu] > [Function Settings] > [Audio Recording]

Image Modes / Screen Brightness / Digital Zoom

■ Switching Image Modes

*In Live View, long-press **Record Button** to cycle through four image modes. See the images below for their names and effects:*

Full-Color	Black&White
	
White Phosphor	Green Phosphor
	

Note: All four image modes provide the same night vision capability, including Full-Color Mode. You may switch among modes occasionally to improve target acquisition. The Full-Color Mode has reduced color reproduction in dark environments.

■ **Adjusting Screen Brightness**

In Live View, press **Menu Button** to cycle through five Brightness levels.

■ **Zooming In/Out**

In Live View, rotate **Zoom Knob** clockwise to zoom IN, and counter-clockwise to zoom OUT.

NVMD has three sight modes and three magnification profiles. By default, they correspond as follows:

[Scope Mode]

Default: 1x/2x/3x/4x/5x/6x; users can switch among profiles.

[Clip-On Mode]

Fixed: 1x; switching profiles won't change zoom level.

[Magnifier Mode]

Default: 1x/3x; users can switch among profiles.

In Scope Mode and Magnifier Mode, you can switch magnification profiles through:

[Main Menu] > [Magnification Settings]

You can choose from [1-6x] (1x/2x/3x/4x/5x/6x), [1x/3x] and [1x/5x].

Sight Modes / Flip-to-side Action Camera

■ Scope Mode

To enable Scope Mode, navigate to:

[Main Menu] > [Sight Modes] > [Scope Mode]

In Scope Mode, NVMD is intended to be used as a standalone digital day/night scope. The reticle is displayed in Live View and can be calibrated in [Zeroing].

In Scope Mode, the default magnification profile ranges from 1x to 6x and can be switched to [1-3x] or [1-5x] through:

[Main Menu] > [Magnification Settings]

Note: *The Flip-to-side Action Camera function is not available in Scope Mode.*

■ Clip-On Mode

To enable Clip-On Mode, navigate to:

[Main Menu] > [Sight Modes] > [Clip-On Mode]

In Clip-On Mode, NVMD is intended to be used as a digital/night vision clip-on for your Low Powered Variable Optics (LPVOs). This mode hides the reticle and shrinks the device UI to accommodate LPVO's field of view (FOV). In Clip-on Mode, [Reticle Zeroing] will be replaced by [Clip-On Zeroing], allowing you to adjust the position of the Live View.

Note: *In Clip-On Mode, the device magnification is fixed at 1x.*

The PiP and reticle- related functions are not available in Clip-On Mode.

■ **Magnifier Mode**

To enable Magnifier Mode, navigate to:

[Main Menu] > [Sight Modes] > [Magnifier Mode]

In Magnifier Mode, NVMD is intended to be used as a magnifier for your red dot sights. This mode hides the reticle and disables the [Reticle Zeroing] and [Reticle Settings] functions.

***Note:** In Magnifier Mode, the default magnification profile is 1x and 3x, which can be switched through:*

[Main Menu] > [Magnification Settings]

■ **Flip-to-side Action Camera (Only with QDF-170)**

This feature is intended for those who want to use NVMD as a clip-on or magnifier. In collaboration with our QDF-170 quick-detach flip mount and a status sensor at the bottom of NVMD, see **Figure 1**, DNT has introduced a set of flip-initiated features to NVMD.

In Magnifier Mode and Clip-On Mode, you can enable the feature by:

[Main Menu] > [Flip-to-side Action Camera] > [ON]

When Flip-to-side Action Camera is ON

NVMD automatically starts recording when flipped from upright to the side. This action creates a portrait, UI-free, first-person-view video clip at 1080 × 1920 resolution.

■ Flip-initiated Standby (Only with QDF-170)

When Flip-to-side Action Camera is OFF

NVMD automatically enters Standby Mode when flipped, enriching the tactical experience while saving battery life.

Note: The flip-initiated Standby enters a “Fake Standby” state in the first 10 minutes, during which only the screen is turned OFF. After 10 minutes of stillness when flipped, NVMD will enter “True Standby”.

“Fake Standby” allows immediate wake-up when flipped back, while “True Standby” takes less than 3 seconds to wake up.

Flip-initiated Standby can be woken up by pressing the Power Button. However, if Standby is enabled by pressing the Power Button, it cannot be woken up by flipping.

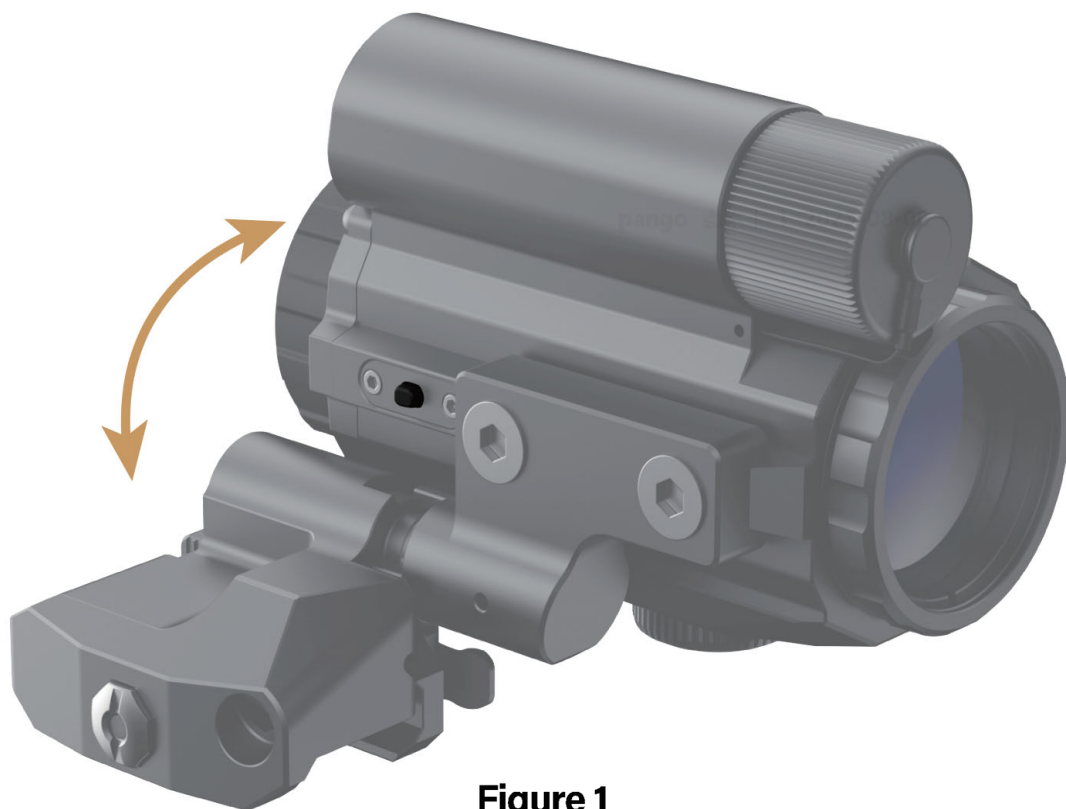


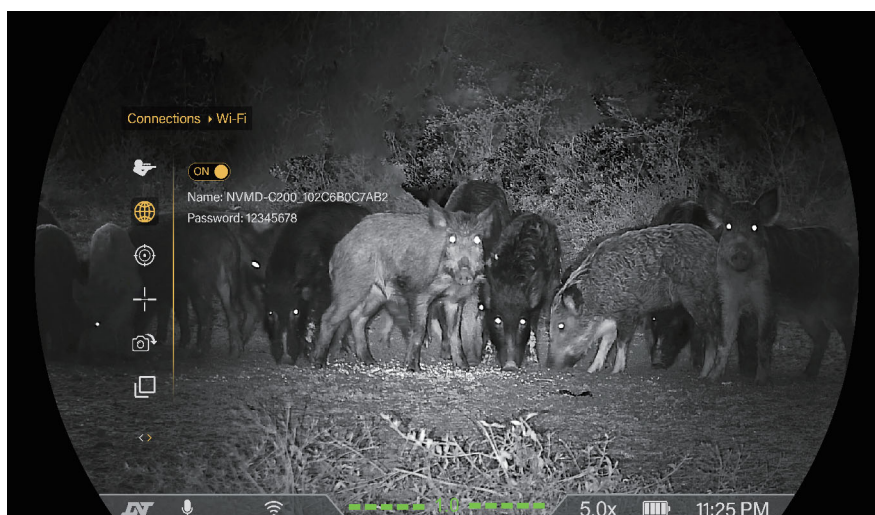
Figure 1

DNT App / USB-C Connection

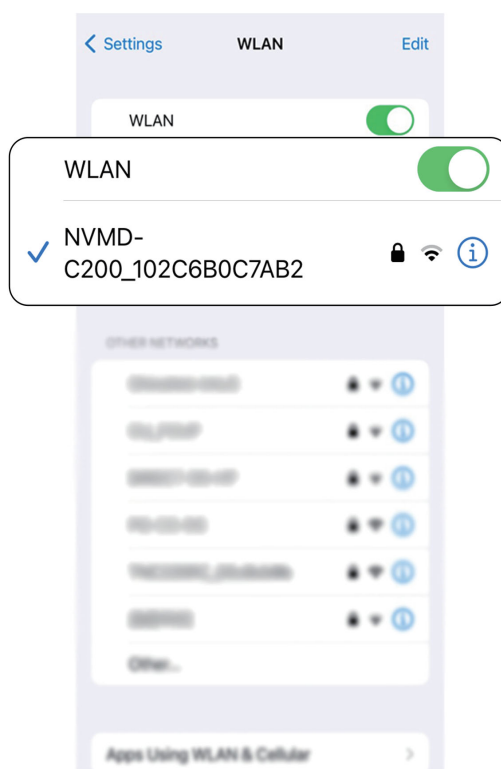
■ Connecting to the DNT App

1. Turning on the device Wi-Fi:

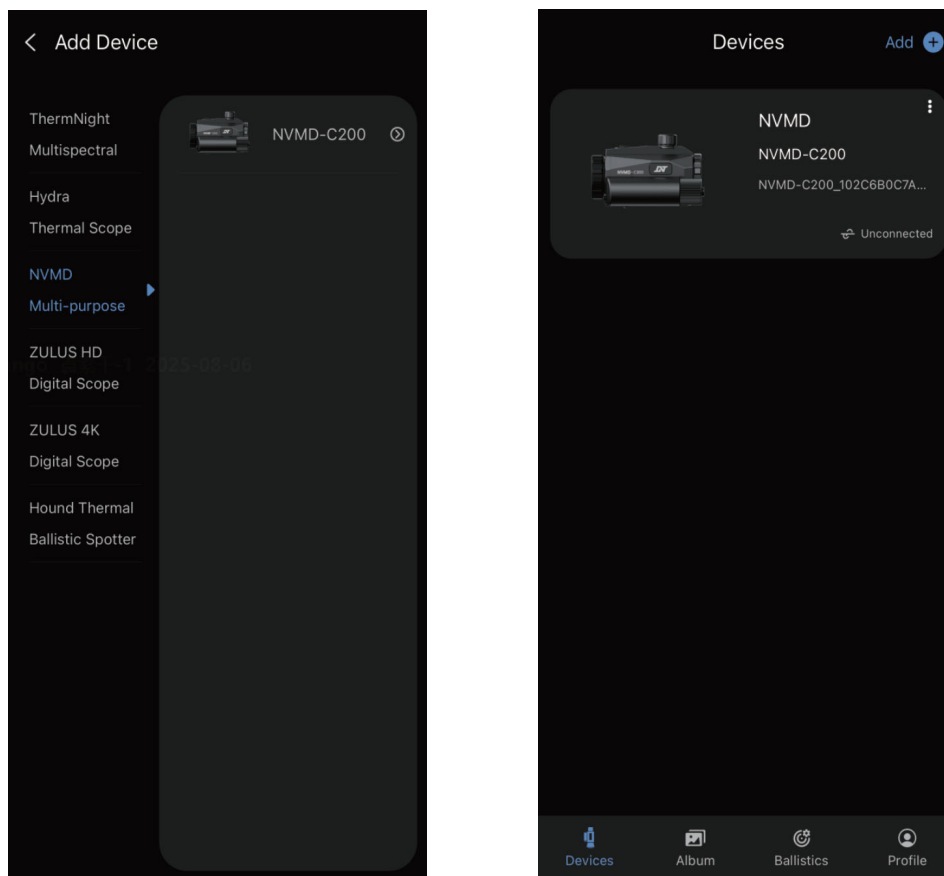
[Main Menu] > [Connections] > [Wi-Fi] > [On]



2. In your phone's Settings, turn on Wi-Fi, find the device's Wi-Fi name, and enter the corresponding password (normally 12345678) to connect your phone to the device Wi-Fi.

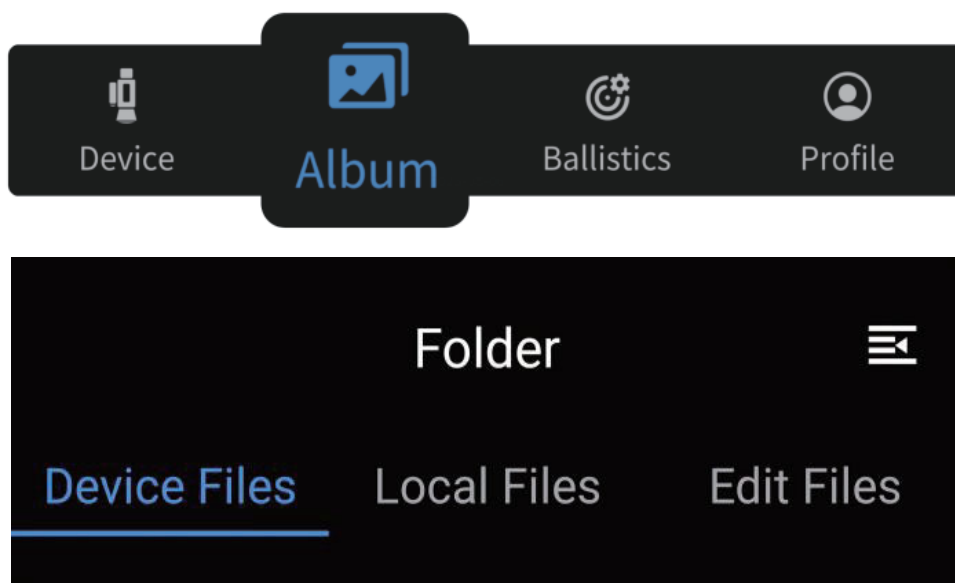


3. Open the DNT App, tap [Add Device], select [NVMD Multi-purpose], find [NVMD-C200], and tap it to add. This will take you to WLAN settings.



■ Accessing Recorded Videos via the DNT App

In the DNT App, under the [Album] tab, there are three sections: [Device Files], [Local Files], and [Edit Files].



■ Device Files

This is where all recorded videos are stored. You can only access these files when the device is connected to your phone via Wi-Fi.

■ Local Files

This is where videos saved from the device are stored within the app. Tap a video to preview it, then use the four buttons in the upper right corner to **edit** (Merge, Trim, Slow), **save** it to your phone/tablet's album, **share** it on social media, or **delete** it.

■ Edit Files

This section displays videos that have been edited using the Merge, Trim, or Slow functions. You can perform the same actions as in Local Files: **edit** again, **save** to album, **share**, or **delete**.

Button Icon	Button Name	Function Description
	Edit	Edit the video (Merge, Trim, Slow).
	Save to Album	Save the video to your phone or tablet's album.
	Share	Share the video on social media platforms.
	Delete	Delete the video.
	Save to Local Files	Save the video from Device Files to Local Files in the app.

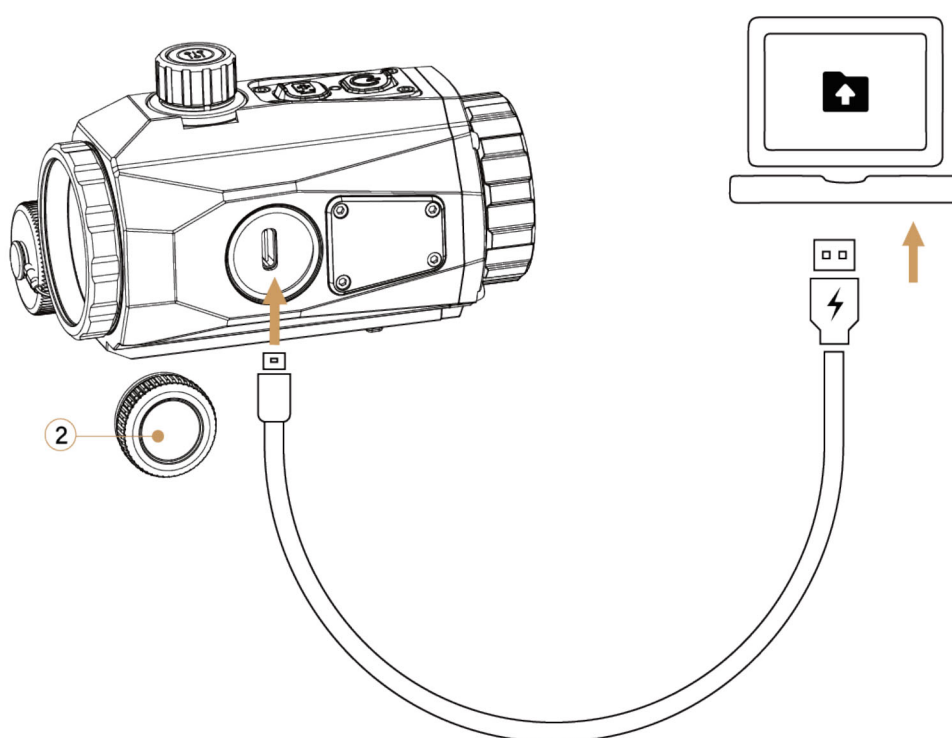
■ To Save Videos to Local Files

In the [Device Files] and [Edit Files] tabs, select the video you want, and tap the **Save to Local Files button** in the upper right corner to save it to [Local Files]. Once saved, you can access the video within the app even when the device is disconnected.

To Save Videos to Your Phone/Tablet's Album

First, save the video from [Device Files] to [Edit Files]. Then, go to [Local Files], open the video you want, and tap the **Save to Album button** in the upper right corner to save it to your phone or tablet's album. You can also save **edited videos** by following the same steps from the [Edit Files] section.

■ USB-C Connection



Connecting NVMD with your PC/Mac via a USB-C data cable.

NVMD will appear on your computer as a USB drive where you can manage your recordings.

APPENDIX

Table of Controls

Control	Status	Press	Long-press
Power Button 	Power Off	--	Turn on the Device
	Live View	Enter Standby Mode	Turn off the Device
	Standby Mode	Wake up the Device	--
Record Button 	Live View	Start/End Recording	Cycle through Sight Modes
	Zeroing Screen	Cycle through Magnification Levels (low to high)	--
Menu Button 	Live View	Adjust Screen Brightness	Enter Main Menu
	Menu	Confirm Selection	Return to Previous Menu
	Date/Time Setting	Confirm Selection	Save and Exit

Control/ Status	Live View	Menu	Date/Time Setting
Rotate Zoom Knob	Adjust Magnification	Move Cursor Up/Down	Move Cursor Left/Right

Understanding this table: Performing a specific action (press, long-press or rotate) on a specific [Control] (button or knob) under a [Status] will execute the corresponding operation on the device.

***Note:** For quick start and menu navigation guides, turn to pages 11-12.*

Table of Menus

Icon	Description
	Sight Modes [Scope Mode] / [Clip-On Mode] / [Magnifier Mode]
	Connection Turn Wi-Fi [ON] / [OFF]
	Zeroing Open Zeroing View
	Reticle Settings Reticle styles: [BRR BDC] / [POST] / [ROUND CROSS HIDE] Reticle colors: [Red] / [Green] / [Yellow] / [Black] / [White]
	Flip to Side Action Camera Toggle [ON] / [OFF]
	PiP Settings [Off] / [Left] / [Center] / [Right]
	Recoil Activated Video Toggle ON / OFF

Icon	Description
	Magnification Settings [1-6x]: 1x / 2x / 3x / 4x / 5x / 6x [1x/3x]: 1x / 3x [1x/5x]: 1x / 5x
	Mode Switch [Full Color] / [Black & White] / [Green Phosphor] / [White Phosphor]
	Function Settings Auto Power Off: [Off] / [10 minutes] / [20 minutes] / [30 minutes] Loop Recording: [Off] / [1 minute] / [3 minutes] / [5 minutes] Audio ON/OFF: [ON] / [OFF] Gyroscope: [ON] / [OFF] / [Calibration] Compass: [ON] / [OFF] / [Calibration] Screen Brightness: [LEVEL 1] / [LEVEL 2] / [LEVEL 3] / [LEVEL 4] / [LEVEL 5]
	System Settings Date/Time: Set the device's date and time Language: Select system language: [English] / [Français] / [Español] / [Deutsch] / [Italiano] Format: Erase all files from the memory card Restore Default Settings: Reset the device to factory defaults Available Storage: View current available memory space Version No.: Display the current firmware version

FCC WARNING

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.



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