



Inspector

User Guide
Version 1.0.1

Setup Instructions

Step 1: Attach the clamp onto the edge of a table and adjust it until the clamp is secure, then insert the magnifying lamp into the hole located at the top of the clamp

CAUTION: Carefully secure the lamp prior to removing the twist tie to prevent the spring balanced arm from swinging open

Step 2: Connect the power cable to the magnifying lamp (located near the base of the magnifying lamp) and plug it into an outlet

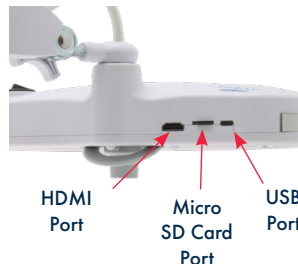
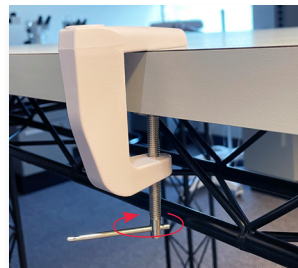
(If monitor inspection is not required, skip to step 4)

Step 3:

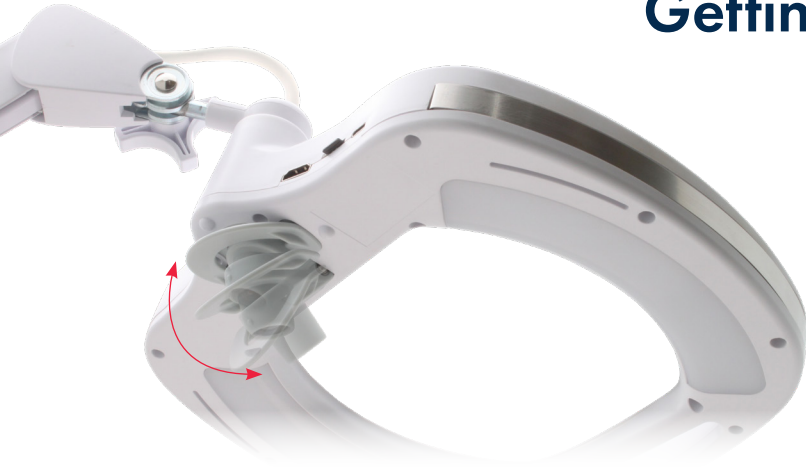
- Insert the Micro SD card into the magnifying lamp
- Connect the HDMI cable from the magnifying lamp to your monitor or use the USB cable for PC connectivity
- Remove the lens cap
- Remove the protective battery film from the remote

Step 4: Press the Power switch to power on the Magnifying Lamp and Camera.

(Unplug the USB cable before powering the device on or off)



Getting Started



Tilt the camera to adjust the image on screen to your desired angle



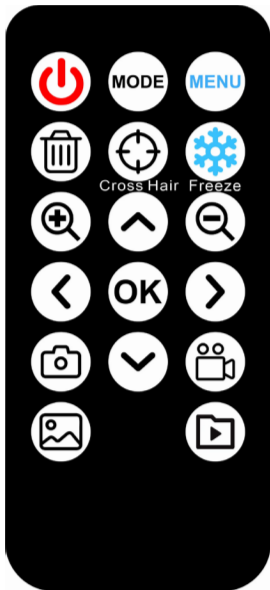
View objects through the magnifying lens or the monitor



Adjust and lock the positioning of the lamp head with the adjustment knob



Adjust the color temperature and intensity of the LEDs on the magnifying lamp



- Power on/off monitor functionality (while the magnifying lamp is on)
- Capture an image on screen
- Review saved images
- Review saved videos
- Zoom in & out (on screen)
- Display cross hair (adjust cross hair color and cross line in menu setup)
- Make a selection
Play/Pause videos

Remote Guide

- Enter the menu screen to adjust setup (press again to leave the menu screen)
- Press once to record (indicator light will blink) press again to stop recording
- Delete image/video
- (For PC mode) Toggle between live view, image library, and HDMI mode
- Freeze the frame on screen while in live mode
- Navigate through the menus with the arrow keys

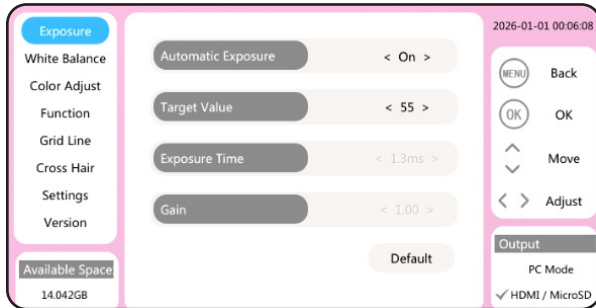
Settings Menu

Access the Settings Menu by pressing the MENU button on the remote.

Use the UP and DOWN arrow buttons to highlight a setting, then press the RIGHT arrow to open it. Adjust values using the LEFT and RIGHT arrows. Press MENU again at any time to exit the menu.

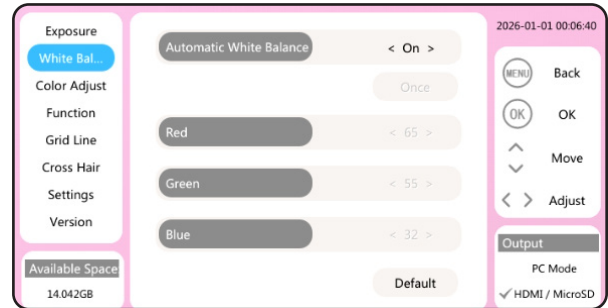
Note: The Settings Menu is available only when connected to an external monitor via HDMI. It cannot be accessed when the Inspector is connected to a PC via USB.

Exposure



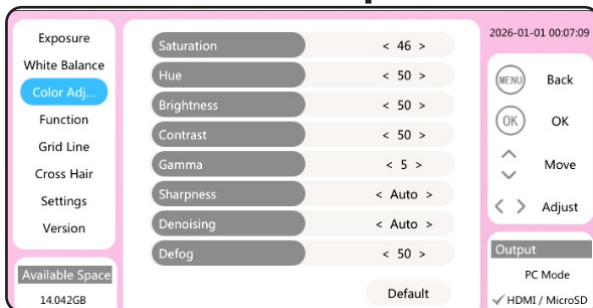
This setting controls the brightness level of the on-screen image. The default Automatic Exposure setting is set to On. To adjust the Target Value, Exposure Time, and Gain, the setting must be set to Off.

White Balance



This setting controls the white balance of the on-screen image. The default Automatic White Balance setting is set to On. To access Red, Green, and Blue color channels, the setting must be set to Off.

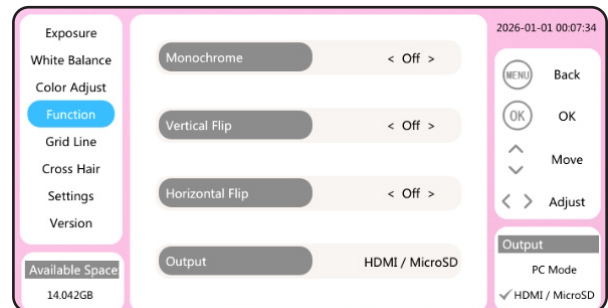
Color Adjust



Fine-tune image appearance to match your inspection needs.

- **Saturation:** Increase or decrease color intensity
- **Hue:** Adjust overall color tone
- **Brightness:** Raise or lower image brightness
- **Contrast:** Adjust difference between light and dark areas
- **Gamma:** Modify midtone balance
- **Sharpness:** Increase or soften edge definition
- **Denoising:** Reduce image noise
- **Defog:** Adjust image softness and clarity

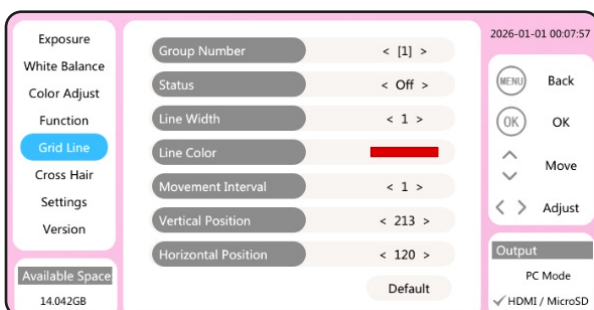
Function



Additional image and operation controls.

- **Monochrome:** Displays the image in grayscale
- **Vertical Flip:** Flips the image vertically
- **Horizontal Flip:** Flips the image horizontally
- **USB Work Mode:** Selects the operating mode:
Storage (Default): Recommended when connected to an HDMI monitor. USB Camera: Use when connected to a PC for live camera operation.

Grid Line



This setting allows users to create custom grid overlays.

- **Group Number:** Selects from line groups numbered 1-8. Each group has one Horizontal Line and one Vertical line.
- **Status:** Turns the selected Group Number on or off.
- **Line Width:** Adjusts the line width of the selected Group Number
- **Line Color:** Adjusts the color of the selected Group Number
- **Movement Interval:** Adjusts the interval of the selected Group Number
- **Vertical Position:** Adjusts the Vertical Line of the selected Group Number
- **Horizontal Position:** Adjusts the Horizontal Line of the selected Group Number

Settings Menu Continued

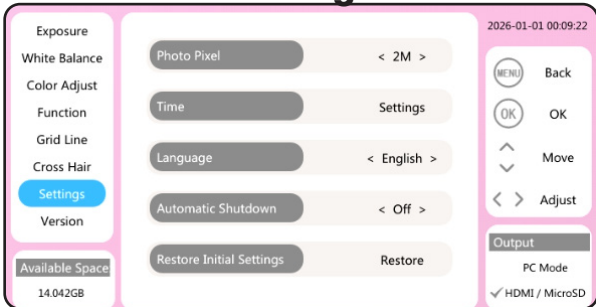
Cross Hair



This setting allows users to customize the Cross Hair overlay.

- **Interval:** Increases/decreases the number of incremental reference lines
- **Line Color:** Changes the color of the Cross Hair overlay
- **Line Width:** Adjusts the line width of the Cross Hair overlay
- **Crosshair Style:** Choose between a solid line or a dashed line

Settings



This setting allows users to adjust internal settings

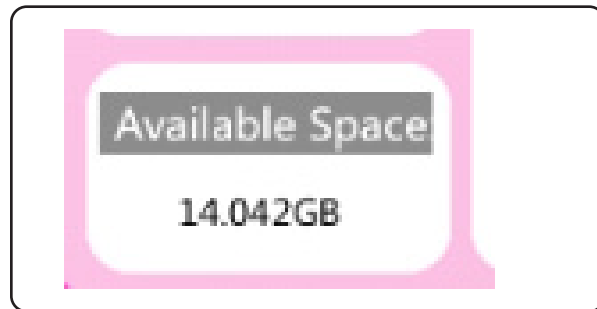
- **Photo Pixel:** Choose between 2M, 4M, and 5M resolutions for saved image files.
- **Time:** Enter the menu to update the Time settings for Year, Month, Day, Hour, Minute, and Second. Once completed, select "Save"
- **Language:** Select your preferred language
- **Automatic Shutdown:** Sets a timer to shut off the Inspector. Default is set to Off
- **Restore Initial Settings:** Restores all camera functions back to the original menu settings.

Version



Displays internal firmware and system version information. For reference only; settings cannot be modified.

Available Space



Displays the remaining storage capacity of the inserted microSD Card

Product Safety

- This device is not a toy, to prevent injury or damage to the magnifying lamp, keep out of reach of young children
- To prevent the risk of a fire or shock, do not operate in wet or humid environments
- Conserve energy by powering off the magnifying lamp when not in use

Ultraviolet LEDs Safety Guidelines

Applies to Item # 26514-CAM only

- Always use protective eyewear when operating UV light sources to prevent eye strain or damage.
 - Ensure that these devices are placed on a stable, level surface to avoid accidental tipping or falling.
 - Keep the equipment away from water and other liquids to prevent electrical hazards.
 - Never leave the devices unattended while turned on, and always turn off and unplug them after use.
- These ultraviolet LEDs operate at 365 nm. Prolonged exposure can cause eye and skin damage.
- To reduce risk:
- Always wear UV-protective goggles or eye shields.
 - Wear gloves to protect your skin.
 - Do not look directly at the UV light.
 - Limit prolonged exposure to the UV light.