LE-HDWWE5D

PRODUCT INFORMATION

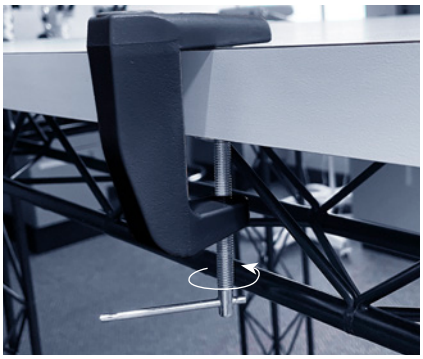
Magnification	2.25X (5-Diopter)
Lens Dimension	7.5” x 6.2”
Color	Black
Lighting	30 LEDs (3500K) 30 LEDs (6500K)
ESD safe	Yes
Bult-in Camera	HD (1080p)
Outputs	HDMI, USB, MicroSD
Plug Type	Type F (Schuko)
INPUT	100-240V~ 50/60Hz 0.3AMax

Light source of energy efficiency **class F**.

ASSEMBLY

LE-HDWWE5D package includes the following items:

- LE-HDWWE5D unit
- Heavy Duty Mounting Clamp
- Remote Control
- Power Supply
- LE-HDWWE5D manual



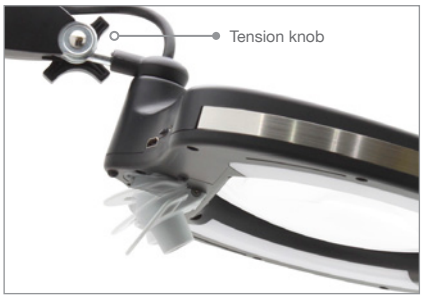
HOW TO USE

Set up of LE-HDWWE5D Magnifying Lamp

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.

2. Connect the power cable to the magnifying lamp (located near the base of the magnifying lamp) and plug it into an outlet.
3. Insert the Micro SD card into the magnifying lamp.
4. Connect the HDMI cable from the magnifying lamp to your monitor or use the USB cable for PC connectivity.
5. Remove the lens cap and the protective battery film from the remote
6. Press the Power switch to power on.
   Unplug the USB cable before powering the device on or off.

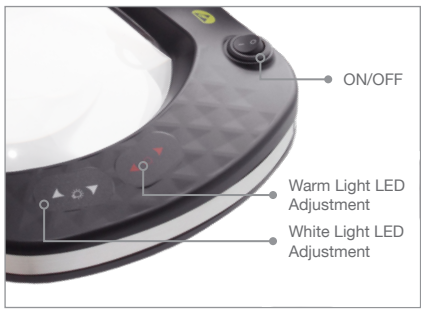


Adjusting Camera

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

Adjusting Arm Position

1. Loosen the adjustable tension knob.
2. Set the desired position and lamp head angle, and re-tighten.



Turning on the LE-HDWWE5D Magnifying Lamp

Power on the magnifying lamp to turn on the magnifying lamp and monitor (Unplug the USB cable before powering the device on or off).

Adjusting LED Brightness and Color Temperature

1. Adjust the brightness of the white LEDs with the white LED controls.
2. Adjust the brightness of the amber LEDs with the amber LED controls.

USB Connectivity

Once the USB-C/USB is connected from the lamp to the computer, please press the mode button on the remote. This will switch the output from “HDMI Mode” to “PC Mode” and allow the camera to be recognized within the Windows Camera App (Photos) and/or Mac Photo Booth, etc.

Important: to ensure the lamp works correctly, the MicroSD card must be inserted into the designated slot.

REMOTE GUIDE

- Power on/off monitor functionality (while the magnifying lamp is on)
- Capture an image on screen
- View images/videos (press again to return to live mode)
- Zoom in & out (on screen)
- Cross Hair — Display cross hair (adjust cross hair color and cross line in menu setup)
- OK — Make a selection; Play/Pause videos
- Review saved images
- MENU — 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
- MODE — (For PC mode) Toggle between live view, image library, and HDMI mode
- Freeze — Freeze the frame on screen while in live mode
- Navigate through the menus with the arrow keys
- Review saved images

Important: for the remote to function effectively, ensure it is used in close proximity to the lamp’s camera. Additionally, point the remote directly towards the camera for better signal reception.

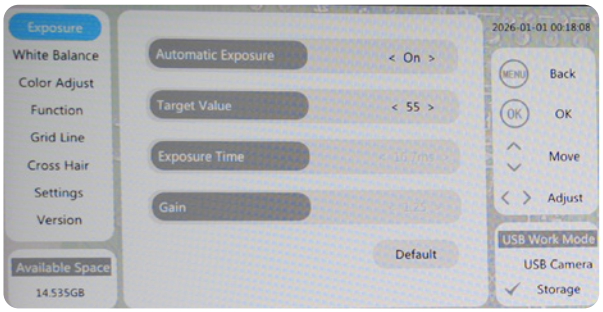
Please note that after pressing a button, there may be a delay of 8-10 seconds before the command is executed.

MENU SETTINGS

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

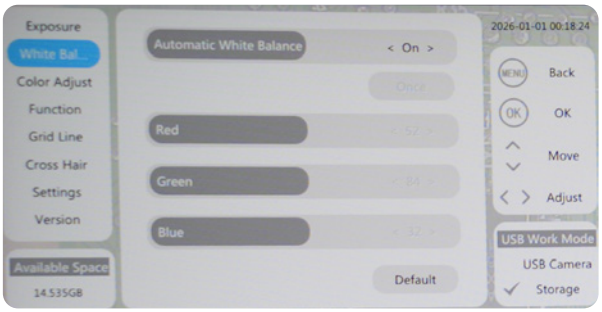
Use the UP and DOWN arrow buttons to highlight a setting, then press the RIGHT arrow to open it. Adjust values using the LEFT and RIGHT arrows. Press MENU again at any time to exit the menu.

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.



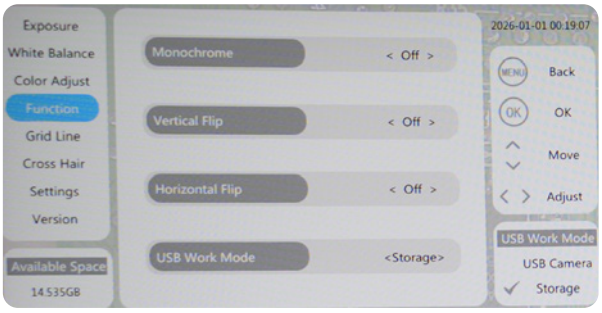
WHITE BALANCE

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.

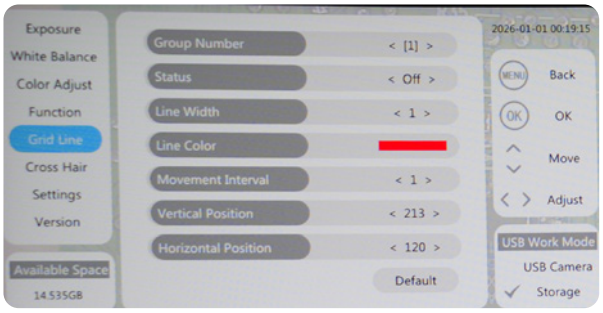
- **Saturation:** Increase or decrease color intensity
- **Hue:** Adjust overall color tone
- **Brightness:** Raise or lower image brightness
- **Contrast:** Adjust difference between light and dark areas
- **Gamma:** Modify midtone balance
- **Sharpness:** Increase or soften edge definition
- **Denoising**: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

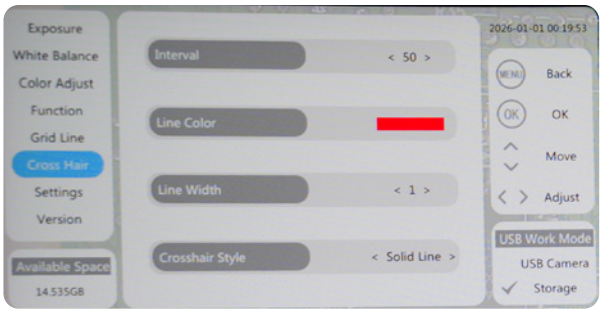


GRID LINE

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.

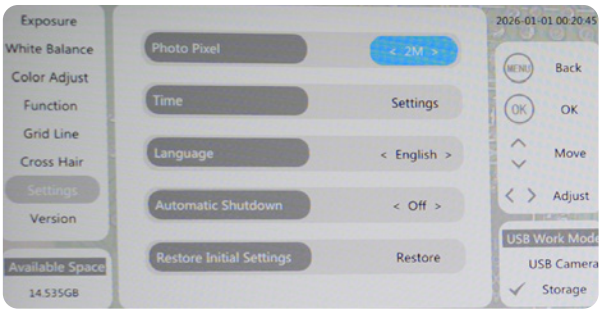
OTHER MENU SETTINGS



CROSS HAIR

This setting allows users to customize the Cross Hair overlay.

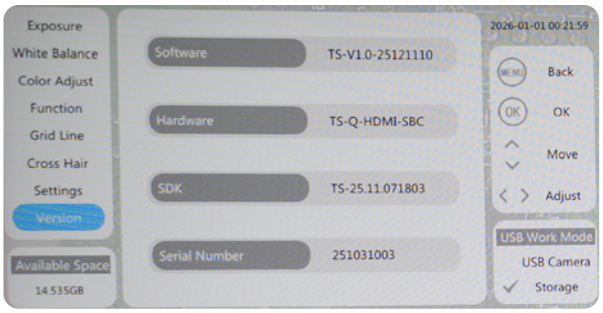
- **Interval:** Increases/decreases the number of incremental reference lines
- **Line Color:** Changes the color of the Cross Hair overlay
- **Line Width:** Adjusts the line width of the Cross Hair overlay
- **Crosshair Style:** Choose between a solid line or a dashed line.



SETTINGS

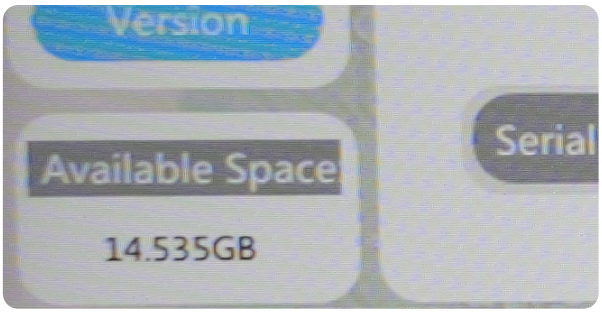
This setting allows users to adjust internal settings

- **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.

PRODUCT MAINTENANCE

ESD paint was not designed to be cleaned with alcohol-based cleaners.
Damages of the ESD safe properties of the paint and removing some of the paint will occurs.
Paint should only be cleaned with a soft cotton cloth.