HAYEAR®

HY-2070

HDMI high definition Monitor Screen

USER Instrution
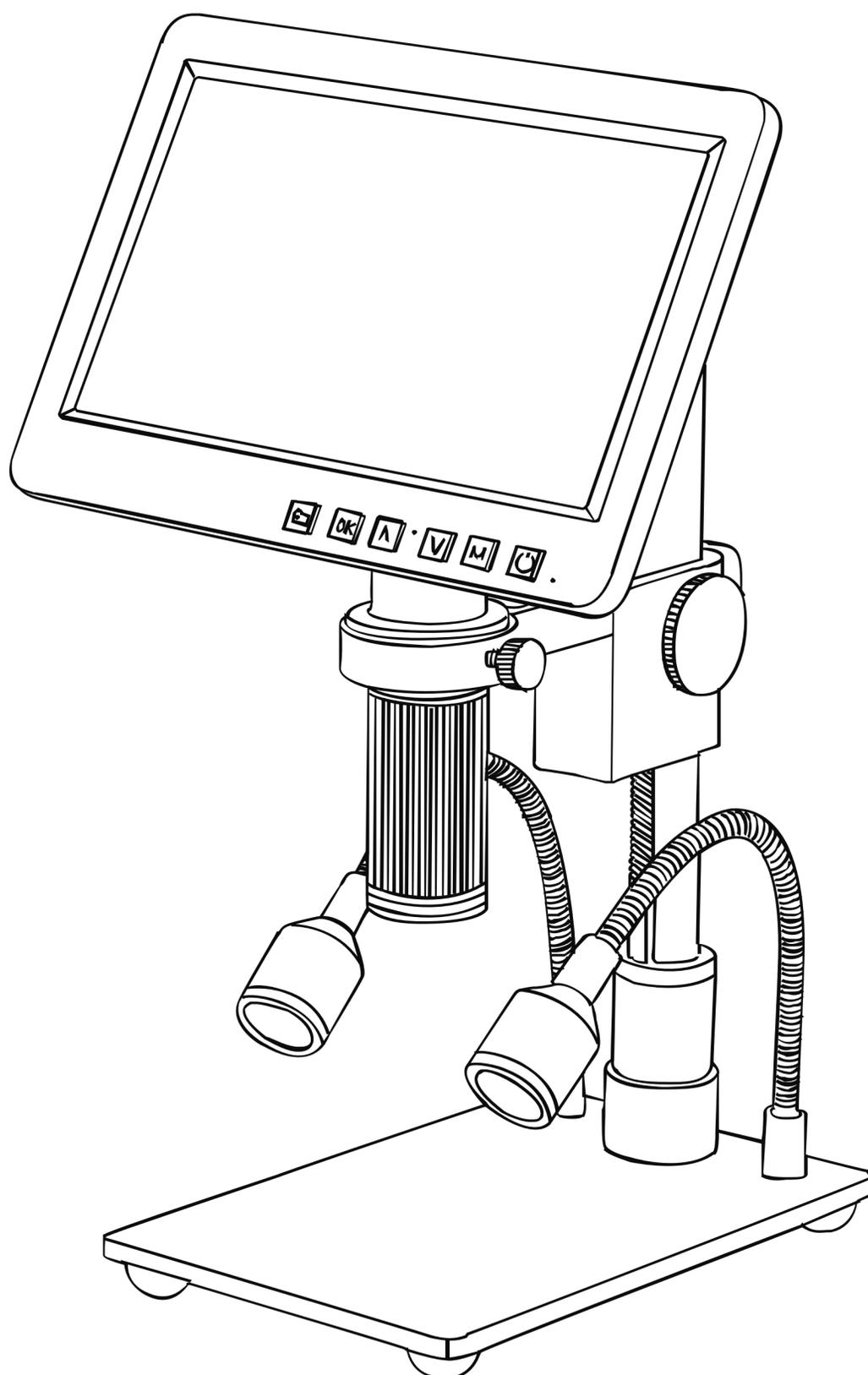
1、Product features

● HAYEAR® has been developed and introduced a series of new products that meet users need and actual use scenarios by adhering to the simple and easy-to-use design principles.

2、main parameter

Image Sensor	26 megapixels CMOS IMX307 Sensor
Pixel Size	2.9μm× 2.9μm
Sensor Size	1/2.8 inches
Video Output	HDMI/USB(HD interface)
Resolution	1920X1080@60FPS（HDMI） 1920X1080@30FPS(USB)
Screen Size Resolution output	7.1inches Support 16:9, 4:3 format
Image Resolution	5888 X 4416 ； 1920 X 1080
Cross Hair	5 horizontal lines & 5 vertical lines; lines color/ lines size adjustable; cross line with scale
Image Zoom	7.0X Digital Zoom
Magnification	optical magnification: 300X ,digital magnification 2100X
Lens Type	Standard C/CS interface
Focus Range	5cm to 25cm
PC System Support	Support Windows /Mac/Linux System, PC software supports measurement function
Image Format	JPEG/MP4
Language Setting	Chinese, English, Japanese, French, German, Russian, Italian, Korean, Turkish
Working Voltage	12V/1.5A
Storage	MAXIMUM SUPPORT 128GB TF CARD
Stand Size	170x120x200mm
Working Temperature	-30℃~65℃

3、Button Instruction

1. "⏻" Long press: Turn On/Off

2. "M" Open Menu/Return to the previous menu

3. "∨" Down. Without Menu: Zoom Out

4. "📷" Photo/Video Mode. Reduce the Value

5. "∧" Up. Without Menu: Zoom In

6. "OK" OK. Increase the value
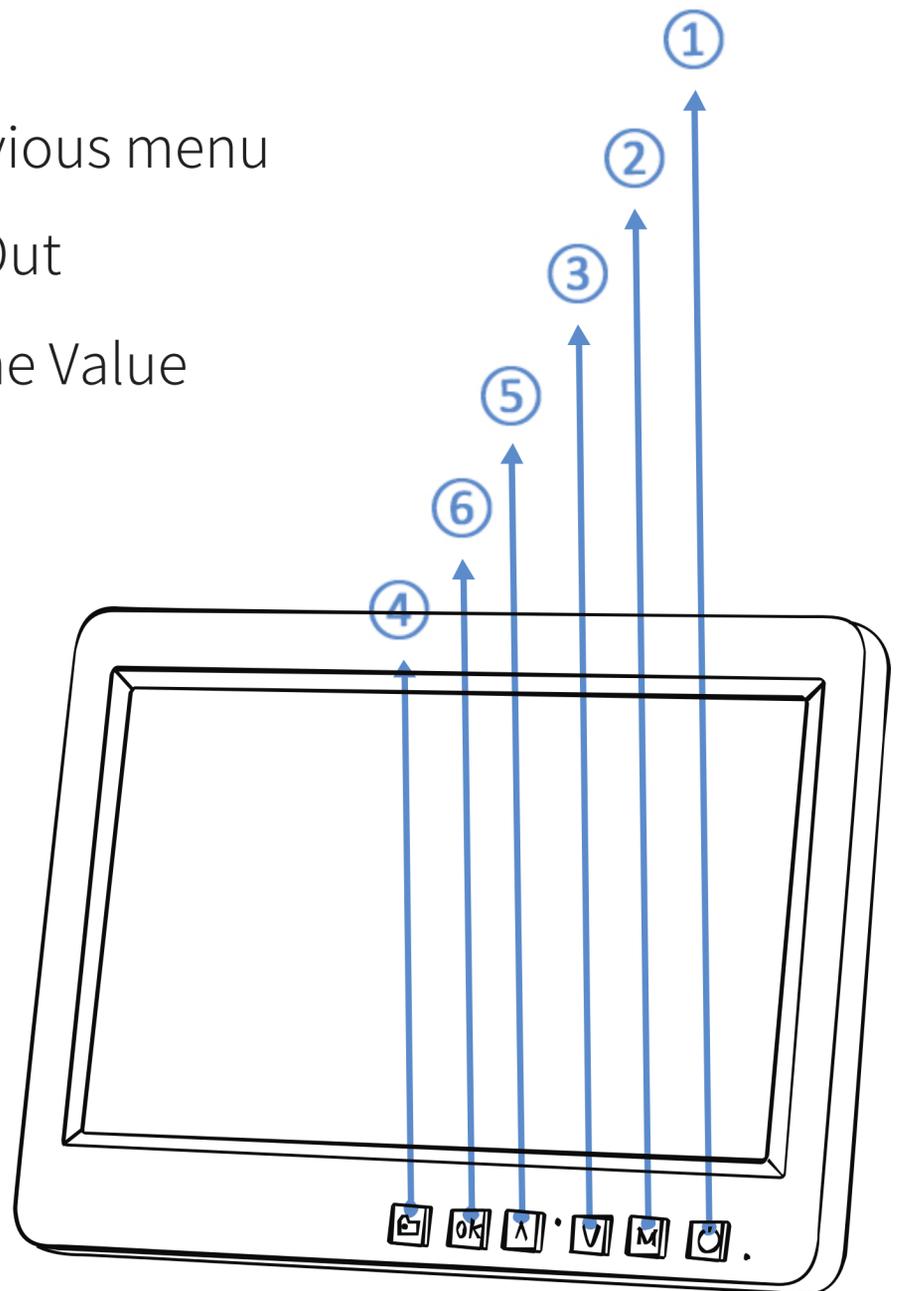
4、Interface Instruction

- 1.HDMI/USB: The device can output video to different dispaly device by HDMI/USB interface, through the HDMI interface, the video can be directly output to the display with HDMI input interface, it can also output video to computer through the USB interface.

- 2.TF Card: The card can only be inserted or removed when the camera is powered off. Otherwise, the camera needs to be restarted after inserting and removing the card.

- 3.Interface：12V/1.5A

- 4.Lens Type: Standard C/CS Interface

5、Remote control instructions

Camera Remote

AWB   ▲   MENU

◀   OK   ▶

▲ (Mirror)   ▼   🔍+ (Zoom)

◀ (Flip)   +   🔍- (Zoom)

◐   ❄   ▶‖

📷   🎥   🖼

1080P Camera 📷

HDMI

AWB — White balance	▲ — Up	MENU — Menu
◀ — Left	OK — Confirm	▶ — Right
Mirror	▼ — Down	Zoom in
Flip	+ — Crosshairs	Zoom out
Black and white	Freeze	Play / pause
Camera	Video	Picture
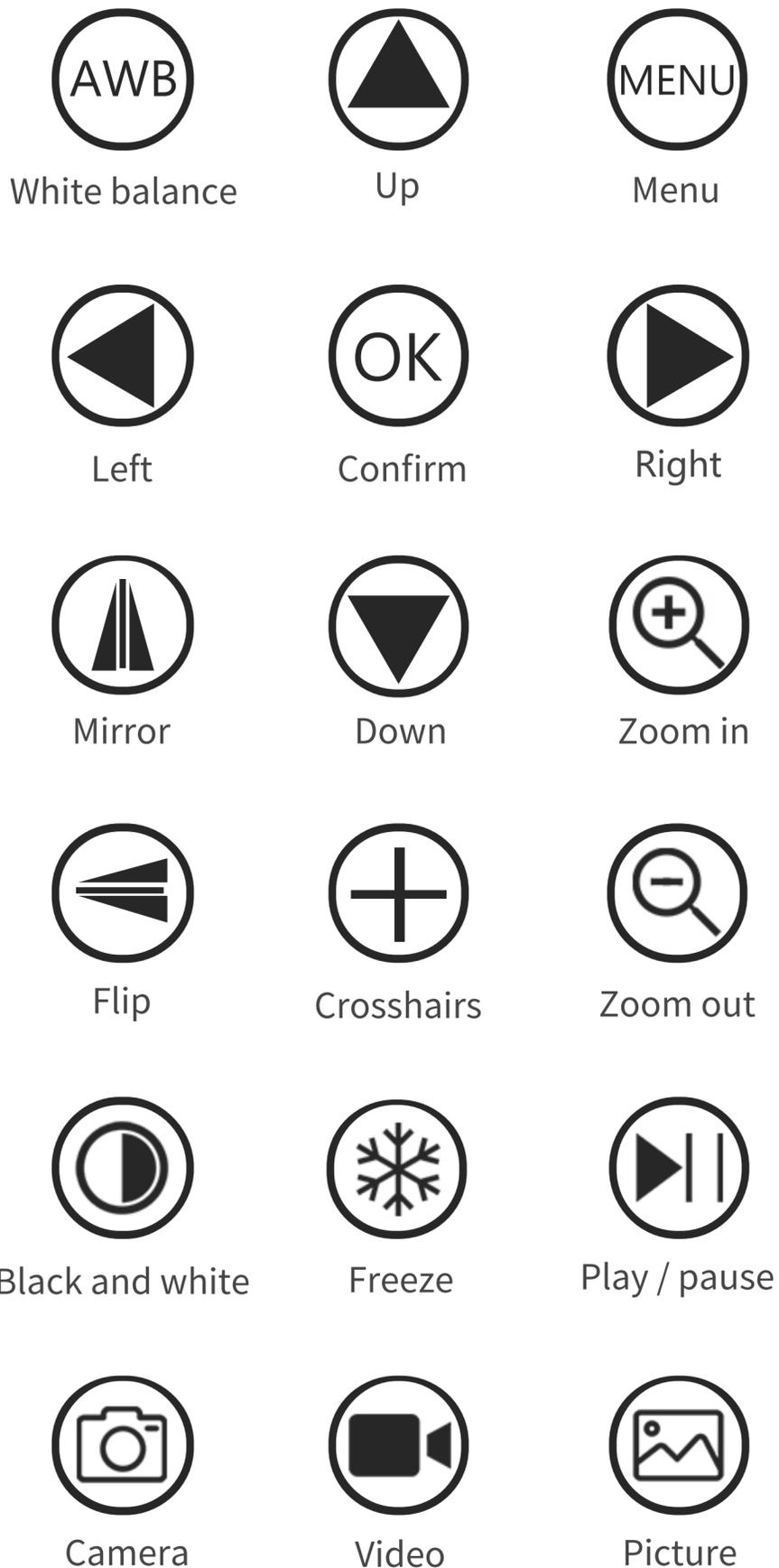
6、Operation Instruction

- 1.First plug in the required power supply and HDMI/USB cable. If you need to take pictures or video, you need to plug in a TF card and connect a lens with a suitable working distance before plugging in the power supply .

- 2.Turn on/off. Long press the power button to turn on/off

- 3.Connect to the display device and enter the preview image.

- 4.If it is connected to the display device through the HDMI high-definition output interface, the display preview image will be output synchronously on the display device.If it is connected to PC through USB output interface, the image can be synchronous output to the screen of the camera and the computer.

- 5.One-click setting of White Balance, Color, Exposure, Sharpness, Saturation, Contrast, HDR：
  Press "M" to enter menu, press "∧" / "∨" to select the item that you want to adjust, Press "OK" / "Video" to switch selection, press to return or exit.

- 6.Language Setting：
  Press "M" to enter menu, Press "∧" / "∨" to language setting. press "M" to exit.

- 7.Zoom：
  The zoom depends on the lens that the customer needs to observe the object's field of view to zoom in manually.

- 8.Mirror Set：
  Press "M" to enter menu, Press "∧" / "∨" to Mirroring setting. press "M" to return or exit.

- 9.Date/Time：
  Press "M" to enter menu, Press "∧" / "∨" for Date/Time. Press "OK" to confirm, press "M" to return or exit.

- 10.Manually and automatically adjust the light source
  The machine supports automatic exposure or manual adjustment. You can enter the menu "M" to adjust the Automatic Exposure Mode or adjust the frequency of light source. Press "OK" to enter the Exposure Mode and Brightness Adjustment, press "OK" / "Video" again to switch the Automatic or One-key Mode, Same for Brightness Adjustment. Press "M" to exit.

- 11.Grid line settings, Cross hair lock range adjustment and color of line settingPress "M" to enter menu, press "OK" can switch ON/OFF of Grid Line. you can set the cross hair, scale, and line/square/position/color according to your own needs, press "OK" / "Video" to switch and select. Press "M" to return or exit.

- 12.Check the version of the machine
Press "M" to enter menu, press "Λ" to enter the version confirmation, you can get the information of this machine.

- 13.Format function
In the HDMI output or preview mode, press the MENU button, and in the pop-up menu, select the "Format" option. At this time, the user will be reminded whether to format the T-Flash card. At this time, if you select Yes, then the device will format the TF card inserted into the device. Press "M" to return or exit.
Noted: When doing this operation, please make sure you want to format the T-F card in the device. After this operation, the contents of the T-F card will be cleared.

- 14.Default Setting
In the HDMI output or preview mode, press the MENU button, and in the pop-up menu, select the "Default Settings" option. At this time, the user will be reminded whether to "Restore factory settings". At this time, if you select Yes, then the device will restore all setting and status to the factory state. Press "M" to return or exit.
Noted: When doing this step, please make sure you are sure to restore the factory settings. After this operation, the device will clear all previous settings on the device;

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warranty card

Please keep this warranty card properly. When repairing the product, please fill in the details and send it back with the product

Dear users:

Hello! Thank you for your trust and support of our products. The warranty card is attached to each product. Please keep it properly for your convenienceIt is used as the warranty certificate of the product. If it is lost, it will not be replaced.

Thank you!

User name _____ Telephone _____

Address & Post code _____

Merchant shop name _____ Purchase date _____

Fault reason

Serial No

Repair records

Maintenance date	fault	Maintenance point	result

Note: the whole machine is guaranteed for one year in case of accidental damage

HAYEAR 海约
合格证
检验员：_____
生产日期：_____