

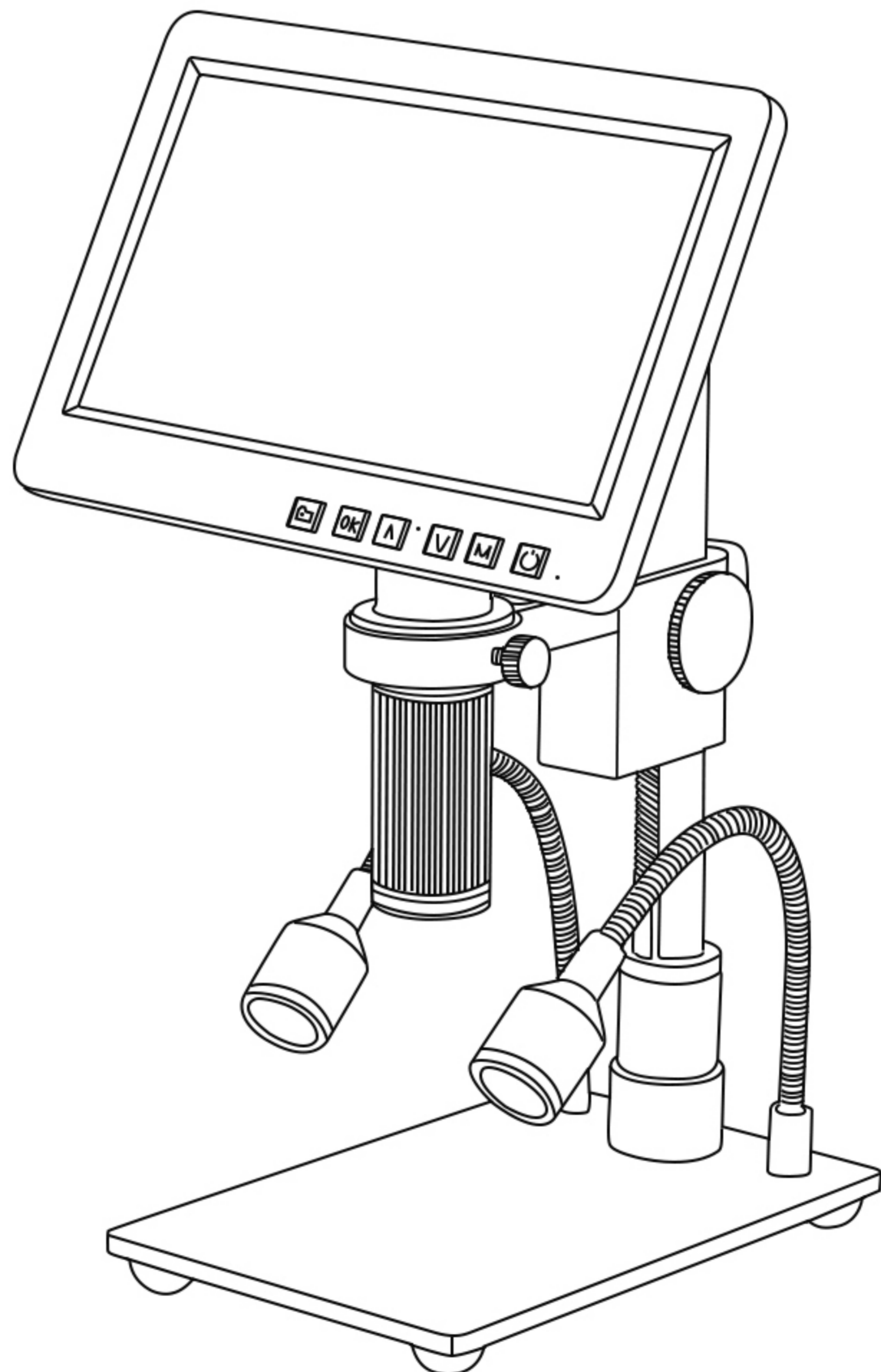
HY-2070

HDMI高清显示器屏幕

HDMI high definition Monitor Screen

使用说明书

USER Instrution



1、产品特点 Product features

- 海约®始终以坚持简约、易用的设计原则，推出一系列符合用户需求和实际使用场景的产品。
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.

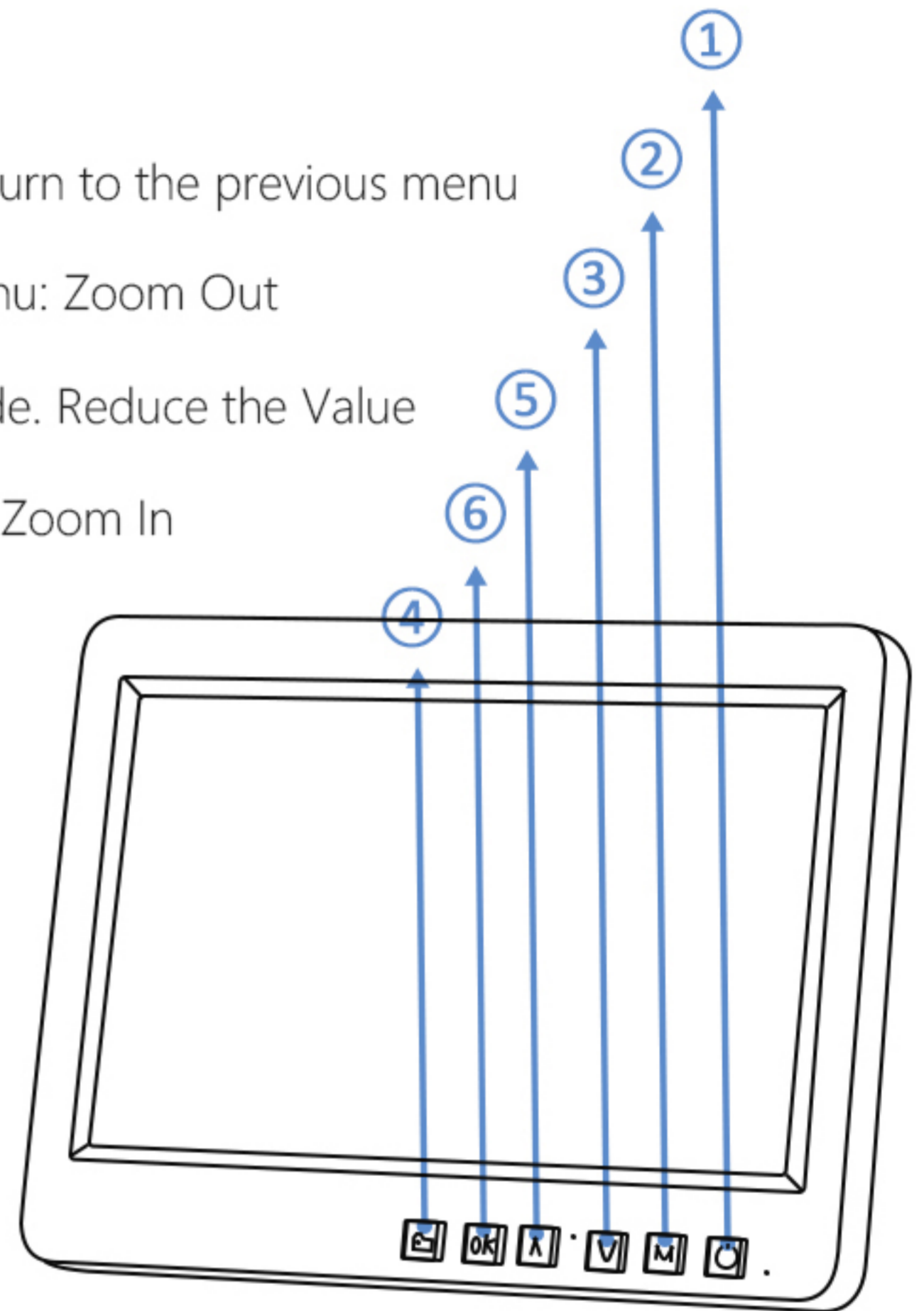
2、主要参数 Main parameter

图像传感器	Image Sensor	2600万CMOS IMX307传感器 26 megapixels CMOS IMX307 Sensor
像元尺寸	Pixel Size	2.9 μ m \times 2.9 μ m
感应器尺寸	Sensor Size	1/2.8英寸/1/2.8 inches
视频输出接口	Video Output	HDMI / USB (高清接口)/HDMI/USB(HD interface)
解析度	Resolution	1920X1080@60FPS (HDMI) 1920X1080@30FPS(USB)
屏幕尺寸	Screen Size	7.1 inch 英寸/7.1inches
分辨率输出	Resolution output	支持16:9, 4:3格式/Support 16:9, 4:3 format
图片分辨率	Image Resolution	5888 X 4416 ; 1920 X 1080
十字线	Cross Hair	横向5条竖向5条; 线条颜色/线大小支持调节,带刻度十字线 5 horizontal lines & 5 vertical lines; lines color/ lines size adjustable; cross line with scale
图像缩放	Image Zoom	7.0X倍放大缩小数码变焦/7.0X Digital Zoom
放大倍率	Magnification	标准倍率230倍 (最高可达 500 倍) Standard manification 230X (Maximum support 500X)
镜头类型	Lens Type	标准C / CS接口 / Standard C/CS interface
对焦范围	Focus Range	5CM 至 25CM / 5cm to 25cm
PC 支持	PC System Support	支持 Windows /Mac/Linux System 系统, 具有测量功能的PC 软件 Support Windows /Mac/Linux System, PC software supports measurement function
照片格式	Image Format	JPEG/MP4
语言设置	Language Setting	中文、英文、日文、法语、德语、俄语、意大利、韩语、土耳其语 Chinese, English, Japanese, French, German, Russian, Italian, Korean, Turkish
工作电压	Working Voltage	12V/1.5A

存 储	Storage	TF 存储卡, 最大容量 128GB/Maximum support 128GB TF card
支 架 尺 寸	Stand Size	170x120x200mm
工 作 环 境	Working Temperature	-30°C~65°C

3、按键说明 Button Instruction

1. “⏻” 长按：开/关机/Long press: Turn On/Off
2. “M” 打开菜单/返回上一级菜单/Open Menu/Return to the previous menu
3. “V” 下移，无菜单时：缩小/Down. Without Menu: Zoom Out
4. “📷” 拍照/摄像模式,数值缩小/Photo/Video Mode. Reduce the Value
5. “^” 上移，无菜单时：放大/Up. Without Menu: Zoom In
6. “OK” 确定，数值增大/OK. Increase the value



4、接口说明 Interface Instruction

- 1.HDMI/USB: 设备通过HDMI/USB接口，可分别输出到不同的显示设备上，通过HDMI接口可直接输出视频到有HDMI输入接口的显示器上，通过USB接口可输出视频到电脑上

HDMI/USB: The device can output video to different display 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：插拔卡，需要在相机断电时进行。否则插拔卡后，相机需要重新上电开机

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.DC 接口/Interface：12V/1.5A

- 4.镜头类型：标准C / CS接口/Lens Type: Standard C/CS Interface

5、遥控说明 Remote control instructions



		
白平衡 White balance	向上 Up	菜单栏 Menu
		
向左 Left	确认 Confirm	向右 Right
		
水平镜像 Mirror	向下 Down	放大 Zoom in
		
垂直镜像 Flip	十字线 Crosshairs	缩小 Zoom out
		
黑白 Black and white	冻结键 Freeze	播放/暂停 Play / pause
		
相机 Camera	录像 Video	图片 Picture

6、操作说明 Operation Instruction

- 1.先插上所需电源点及HDMI/USB线，如需截图或摄像需在插电源前插上TF卡及接上适用工作距离的镜头。
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.开机/关机 长按电源键，开/关机。 /Turn on/off. Long press the power button to turn on/off

● 3.接入显示装备，进入预览画面。

Connect to the display device and enter the preview image.

● 4.如果通过HDMI高清输出接口与显示设备相连，显示设备上会输出显示预览影像同步，如通过USB与PC设备连接，设备上也会与输出预览影像一致

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.白平衡、色彩、曝光、锐度、饱和度、对比度、HDR的一键设定

One-click setting of White Balance, Color, Exposure, Sharpness, Saturation, Contrast, HDR

按“M”进入菜单页面，按“^”/“V”进行选择需要调节设置的项目，按“OK”/“摄像”进行切换选择，按“M”返回或退出。

Press “M” to enter menu, press “^” / “V” to select the item that you want to adjust, Press “OK” / “Video” to switch selection, press to return or exit.

● 6.语言设置/Language Setting

按“M”进入菜单页面，按“^”/“V”进行语言设置，按“M”返回或退出。

Press “M” to enter menu, Press “^” / “V” to language setting. press “M” to exit.

● 7.变焦/Zoom

变焦取决于客户本身需要观察物品视场缩倍的镜头进行手动变焦。

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

● 8.镜像设置/Mirror Set

按“M”进入菜单页面，按“^”/“V”进行镜像设置，按“M”返回或退出。

Press “M” to enter menu, Press “^” / “V” to Mirroring setting. press “M” to return or exit.

● 9.日期/时间/Date/Time

按“M”进入菜单页面，按“^”/“V”进行日期/时间设置，按“OK”确定，按“M”返回或退出。

Press “M” to enter menu, Press “^” / “V” for Date/Time. Press “OK” to confirm, press “M” to return or exit.

● 10.手动、自动调节光源/Manually and automatically adjust the light source

本机支持自动曝光或手动调节。可进入“M”菜单键进行设置自动曝光模式或调整光源频率。按“OK”进入曝光模式或亮度调节，再按“OK”/“摄像”进行切换自动或一键模式，亮度调节同理，按“M”退出。

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.网格线设置。十字线锁定范围调节，及线条颜色设置

Grid line settings, Cross hair lock range adjustment and color of line setting

按“M”进入菜单页面，按“OK”可选择网格线进行ON/OFF设置，可按自身需求进行设置十字线，刻度尺，及线/方形/位置/颜色等，按“OK”/“摄像”进行切换选择，按“M”返回或退出。

Press “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.查看本机版本信息/Check the version of the machine

按“M”进入菜单页面，按“^”进入版本确认，可看到本机信息。

Press “M” to enter menu, press “^” to enter the version confirmation, you can get the information of this machine.

- 13.格式化功能/Format function

在HDMI输出或预览状态下，按MENU键，在弹出的菜单选项中，选择格式化一项，此时，会提醒用户是否要格式化T-Flash卡，此时，如果选择是，则设备会对插入设备的T-F卡进行格式化。按“M”返回或退出。

注：在做此步操作时，请确保您确定要格式化设备中的T-F卡，此操作后，T-F卡中的内容将被清除。

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.恢复出厂设置/Default Setting

在HDMI输出或预览状态下，按MENU键，在弹出的菜单选项中，选择默认设置一项，此时，会提醒用户是否要恢复出厂设置，此时，如果选择是，则设备会将错有设置选项和状态恢复到出厂状态，按“M”返回或退出。

注：在做此步操作时，请确保您确定要回复出厂设置，此操作后，设备将清除所有早前对设备的设置。

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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Customer service hotline: 0755-3286592

电话Tel: 13590423899

电子信箱E-mail: info@hayear.com

保修卡warranty card

请您妥善保存此保修卡，产品维修时，请填写一下详细信息，并将此保修卡随产品一起寄回
Please keep this warranty card properly. When repairing the product, please fill in the details and send it back with the product

尊敬的用户：

Dear users:

您好！感谢您对我司产品的信赖和支持，保修卡随每台产品附带，请顾客妥善保存，以
Hello! Thank you for your trust and support of our products. The warranty card is attached to each product. Please
作产品保修凭证，遗失不补。

keep it properly for your convenience it is used as the warranty certificate of the product. If it is lost, it will not be replaced.
谢谢！

thank you!

用户姓名

User name

电话

Telephone

通信地址及邮编

Address & Post code

商家店铺名

Merchant shop name

购买日期

Purchase date

故障原因

Fault reason

订单编码

Serial No.

维修记录

Repair records

维修日期

Maintenance date

故障

fault

维修点

Maintenance point

结果

result

维修日期 Maintenance date	故障 fault	维修点 Maintenance point	结果 result

注：购买的产品发生意外损坏后，整机1年保修

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：_____