




## Note

Here are 6 different choices for you to choose from. Please understand the products before purchasing to meet your different needs, Have a nice day!

Please contact customer service for microscope software

Ship within 24 hours !

			
<b>Resolution</b>	<b>4K 48MP 60FPS</b>	<b>48MP 60FPS</b>	<b>13MP 60FPS</b>
<b>Interface</b>	<b>USB-C HDMI</b>	<b>USB HDMI</b>	<b>VGA HDMI</b>
<b>Software</b>	<b>External software</b>	<b>External software</b>	<b>Without software</b>
<b>Language</b>	<b>English Chinese</b>	<b>English Chinese</b>	<b>10 languages</b>
<b>Measurement</b>	<b>16 datum lines</b>	<b>16 datum lines</b>	<b>8 datum lines</b>
<b>Chips</b>	<b>1/2.8in SONY Chips</b>	<b>1/2.33in Panasonic Chips</b>	<b>1/2.9in GC2053 Chips</b>

### XHU4003 Product features FULL HD Camera Parameter

1/2.8in SONY Chips  
 4K video Recording(3840\*2160)  
 48 Million PX Photo Output(8000\*6000)  
 TYPE-C 1080@30 Video Output  
 TYPE-C 1080 Picture Output  
 Measured By Computer  
 Input Voltage : 12v/1A  
 C-Mount Lens

One Click Freeze/Defrost  
Zoom In/Out  
TF Storage/PC Storage  
Language English  
Supports 16 Datum lines with  
adjustable color,thickness and position.  
Manual/automatic exposure/one-click exposure,  
exposure compensation.  
Manual/automatic white balance/one-button  
white balance.RGB adjustable  
Cross center line open/close.  
Working Distance : 20 mm—700mm  
Magnification : 10X-150X (32in displayer)  
X-axis Visual Field : 4.2mm-130mm



**XHU4002 Product features**

- ◆ 48 million pixel imported Panasonic CMOS image sensor;
  - ◆ Using 1/2.33 inch image sensor, Angle of view is wider than 1/3 inch;
    - HDMI 1080P 60 frame image output;
  - ◆ USB2.0 driver free output 1080P 30 frame image output;
    - 4K video recording;
  - ◆ 48 million photos, JPG format, photo size 4608x3456;
    - One-click freezing/thawing function;
  - ◆ 48 megapixel photography and 1080P video recording;
    - Electronic zoom function;
- Support manual/automatic exposure, exposure compensation value adjustment;
- Support manual/automatic white balance, red, green, blue adjustable;
- ◆ Provide 8 line drawing functions, line color, thickness, position adjustable;
    - Display/close center cross;
    - Support TF card storage, up to 64GB;
- Support remote control operation, take photos without jitter image more clear;
- ◆ Support Chinese and English menu language (default English);
    - Support shutdown setting parameters save;
    - ◆ Strong metal shell;

The sensor: 1/2.33 inch Panasonic 48 megapixel CMOS sensor

Pixel size: 1.335 $\mu$ m  $\times$  1.335 $\mu$ m

HDMI output: 1920\*1080 60PFS

USB output: 1920\*1080/30 1280\*720/30 640\*480/30 320\*240/30 (MJPG)

Camera interface: C/CS

Exposure: Automatic/manual

Exposure compensation: Support

White balance: Automatic/manual, RGB adjustable

Storage: Supports a maximum of 64GB

Input voltage: Dc 5v-12v

line : Supports 8 straight lines with adjustable color, thickness and position

Center line : Support

Menu language : English/Chinese

Remote control : Support remote control operation

Net weight : 250g

Rough weight : 450g

Product size : 66\*66\*49mm

Packing size : 145\*130\*70mm

**1080P**  
**Full HD**

# Multifunctional Camera

■ Video ■ Take pictures ■ Measurement



## PHYSICAL BUTTONS



## REMOTE CONTROL

## PRODUCT INFORMATION

- ◆ 2 Million Real Pixels
- ◆ 1/2.8 inch Panasonic CMOS Sensor
- ◆ Pixel Size 2.9 $\mu$ m  $\times$  2.9 $\mu$ m
- ◆ HDMI 1080@60pfs Picture Video Output
- ◆ USB 1080@30pfs Picture Video Output
- ◆ Measured By Computer
- ◆ Input Voltage : Dc 5v-12v
- ◆ C-Mount Lens
- ◆ One Click Freeze/Defrost
- ◆ Zoom In/Out
- ◆ TF Storage/PC Storage
- ◆ Language English
- ◆ Supports 16 Datum lines with adjustable color,thickness and position.
- ◆ Manual/automatic exposure/one-click exposure, exposure compensation.
- ◆ Manual/automatic white balance/one-button white balance. RGB adjustable
- ◆ Cross center line open/close.

## XVH2003 Product features

Overall dimension: 75\*50\*50mm

Video Interface:HDMI VGA

Lens:CS

Working voltage:12V

Working current:150mA

Optical format:1/3"

Pixel size:2.8 $\mu$ m\*2.8 $\mu$ m

Pixel array:13MP

TV Lines:1200TVLine

FPS of max image:30FPS

Scanning mode:progressive

Shutter mode:electronic shutter

Dynamic range:65dB

S/N radio:45dB

OSD language:English/Chinese  
AWB mode:One time white balance / manual / auto  
HDR:Adjustable  
Cross line:Support 8 colors / line width adjustable  
B/W:allow  
Negative:allow  
Mirror flip:Support left / right / up / down  
Freeze:allow  
Compare:allow  
Manual set bright,contrast,sharp,saturation:allow  
Output of display resolution: HDMI : 16:9, 4:3 VGA:Above 1920\*1080P



HDMI VGA  
Pixel array:13MP  
The sensor: gc2053  
Overall dimension: 75\*50\*50mm  
Video Interface:HDMI VGA  
Lens:CS  
Working voltage:12V  
Working current:150mA  
Optical format:1/3"  
Pixel size:2.8um\*2.8um  
TV Lines:1200TVLine  
FPS of max image:60FPS  
Scanning mode:progressive  
Shutter mode:electronic shutter  
Dynamic range:65dB  
S/N radio:45dB  
OSD language:English/Chinese  
AWB mode:One time white balance / manual / auto  
HDR:Adjustable  
Cross line:Support 8 colors / line width adjustable  
B/W:allow  
Negative:allow  
Mirror flip:Support left / right / up / down  
Freeze:allow  
Compare:allow  
Manual set bright,contrast,sharp,saturation:allow  
Output of display resolution: HDMI: 16:9, 4:3 VGA:Above 1920\*1080P

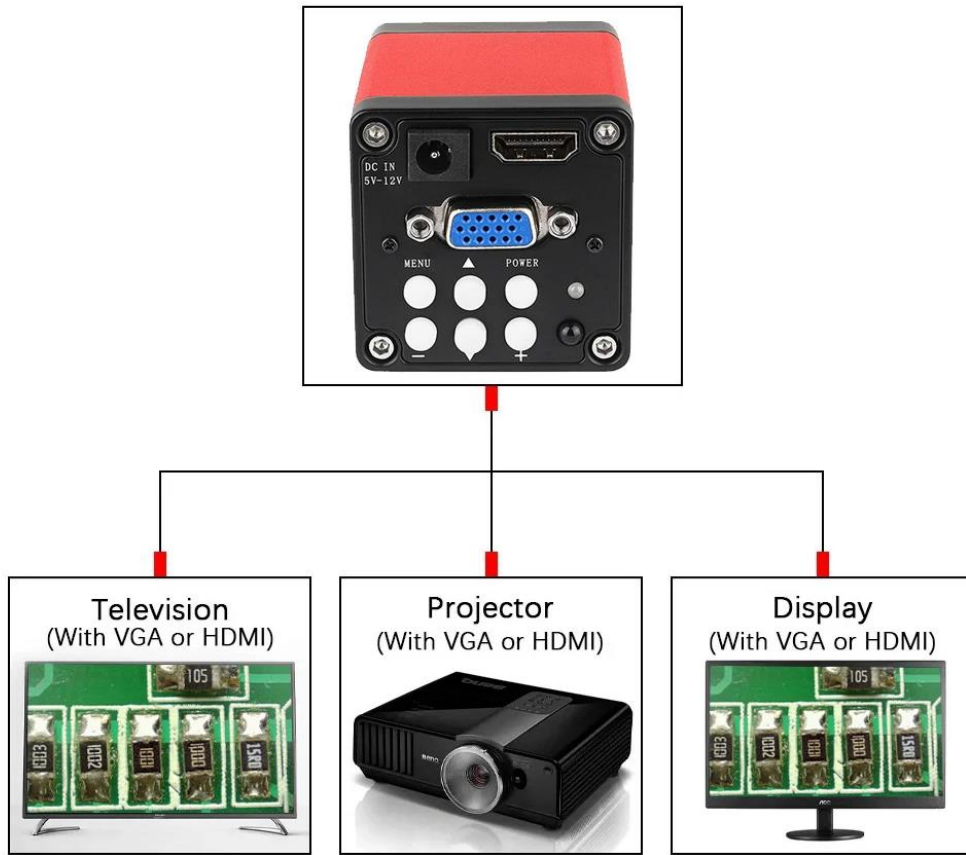


C/CS Mount Lens International  
Standard interface

The most obvious difference between Cinterface lens (C-Mount) and CS interface lens (Cs-mount) is the distance between lens and camera to the location (focal plane) of camera sensor (CCD/COMS sensor).







The remote control can help you control the microscope camera menu settings more conveniently, and can effectively reduce vibration caused by pressing.



## **Connect Display Via HDMI**

1. It Can capture pictures and videos and save them on TF cards
2. It can capture up to 8M 8000X6000 HD images
3. 4K (30fps) /1080P(60pfs) MOV video is available

## **Connect computer via Type**

1. Install the ImageView on your computer
2. Through the ImageView program, you can get point spacing, parallel lines, vertical lines, line spacing, Angle, circle, radius, radian, rectangle, ellipse, concentric circles, center distance, and other measurement tools.

## **Full Set package List :**

- 1 x FULL HD Camera
- 1 x Power Adapter
- 1 x HDMI Cable
- 1 x Type Cable
- 1 x Remote Control
- 1 x 37CM Folding Bracket
- 1 x Lens
- 1 x LED Light
- Gift: bracket light

## **Note**

Different pixel quality and output interface for you to choose:

Interface options: USB/HDMI/VAG

Pixel quality can be selected: 13MP/48MP (4K)

The number of frames transmitted per second: 60Fps

Please pay attention to the picture and the parameter description in the packing list when purchasing!

Applicable scenarios: mobile phone repair/computer repair/watch repair/jewelry repair/various circuit board repair/various motherboard repair/any scene that needs to be enlarged can be used!

## **1X-150X zoom C-mount lens :**

Working distance: 50mm-1000mm

Zoom ratio: 1:15

Magnification: 0.15-2X (approx. 1-150X on display)

Maximum magnification field of view: 4.2mm\*2.4mm

Minimum magnification field of view: 130mm\*70mm

Size: 30mm (diameter) \* 99mm (length)

Weight: 195g





↑  
Working distance  
1000mm  
↓



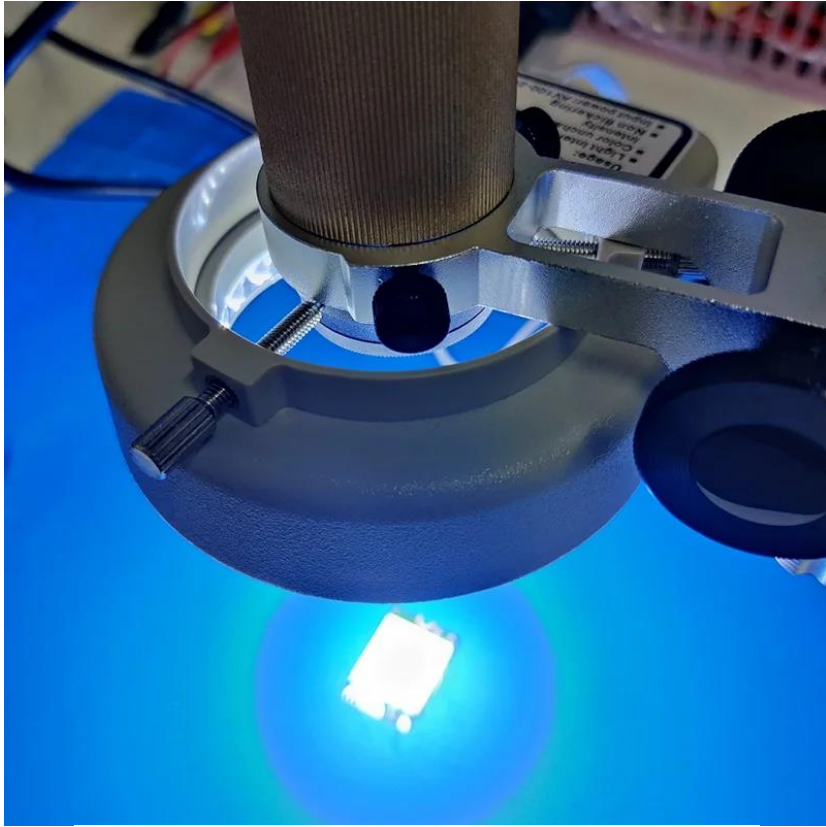
# Circular lamp

56 LED Light









# Folding bracket

