**GAOKEview®**

# Visual Presenter
# User Manual

** Please read this user manual carefully before using the product **

**GAOKEview®**

# Contents

# ⚠ **Attention to safety issues** ⚡

## ★ Power

This product uses DC 12V power supply. You must notice the safety of electrical wire and electrical outlet, when there is any damaged please replace or repair it immediately.

## ★ Clean up

Please keep this presenter always clean. Keep this product away from water, oil, dust, caustic gas to allow this intelligent visual presenter work perfectly.

## ★ Shake proof

Prevent collision, nick or dropping .When you press any key and switch, you shouldn't overexert to allow this presenter work perfectly.

## ★ Transportation

You can use any vehicle to transport the product under packed, but should avoid rain, snow and any huge bump.

## Attentions

◆to extend the using time of this product ,please turn off the power supply after you have done your jobs.

◆non-professional person should not unwrap this machine,because it contains strong electricity. You must be responsibility for wrap this machine privately.

◆Please use this machine under the guidance of this manual.

## Accessories list

| | |
|---|---|
| ◆ machine: | x1 |
| ◆Adapter: | x1 |
| ◆HDMI cable: | x1 |
| ◆ VGA cable: | x1 |
| ◆ USB cable: | x1 |
| ◆ Remote control: | x1 |
| ◆TF Card (including software and user manual）: | x1 |

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## Introduction

◆The visual presenter has 10x optical ,10 x digital (total 100x) zoom 、File shooting range: A3,auto/manual focus,auto white balance,color adjustment etc.picture processing function.multi-way input and output ports so that can be connected with our media devices and switch the program.

◆Varies ways to control:interface、IR remote control 、software.

◆ Built-in Linux operating system,Visual presenter through mouse operation can achieve ideo recording, taking photos, annotation, comparison with the screen, rotation ,image freeze and other functions。

◆Support external computer access and switching , HDMI and VGA output, Supports 1920*1080@60Hz, 1280*1024@60Hz, and 1024*768@60Hz resolution output; 4k type support 3840*2160@30Hz(HDMI port), 1920*1080@60Hz resolution output.
◆Built-in MIC and external audio, Support HD video recording, 4K type takes 8-megapixel photos and videos.

◆External power:safety,convenience and energy conservation.

## Equipment List

Open the box
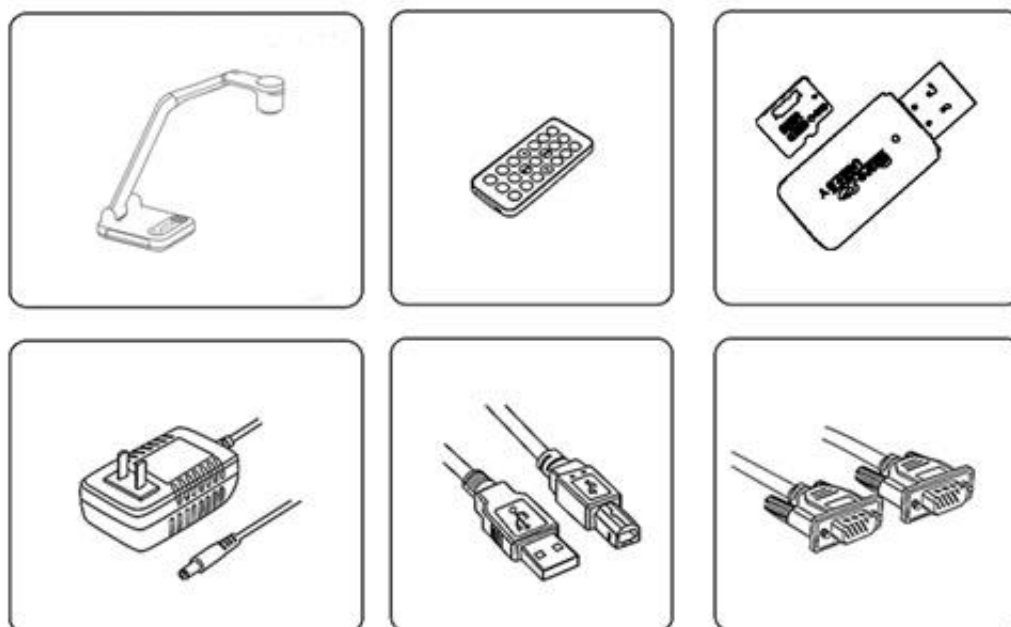
* **No battery is installed on the remote control**。

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## Interface



**DC12V**：Power input, external power adapter
**USB** ：Connect to USB port of computer（Use of supporting software）
**AUDIO OUT**：Audio output
**VGA OUT**：VGA signal output, connected to display screen, projector and other display equipment



**VGA/HDMI IN**：External VGA signal input, connected to computer host or laptop
**AUDIO IN**：Audio in
**HDMI OUT**：HDMI signal output, with HDMI interface HD display device
**TF:** TF card for storing videos or pictures
**USB MOUSE:** Connect the mouse for software operation

## Device connection

Connect the power adapter to the DC 12V power port. The visualizer indicator is red, and its in low-power standby state.For the device to work safely, be sure to use the power adapter provided by the manufacturer.

**VGA/HDMI port**:The monitor or projector device is connected to VGA / HDMIOUT in the visualizer with VGA/HDMI cable，external PC host or laptop is connected to the VGA/HDMI IN port.

**USP port**: Connect to USB port of computer via USB cable，If you use a desktop computer, the USB interface on the back of the computer will be more stable.

**Note:** HDMI and VGA output ports can be used simultaneously.

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## Button Panel
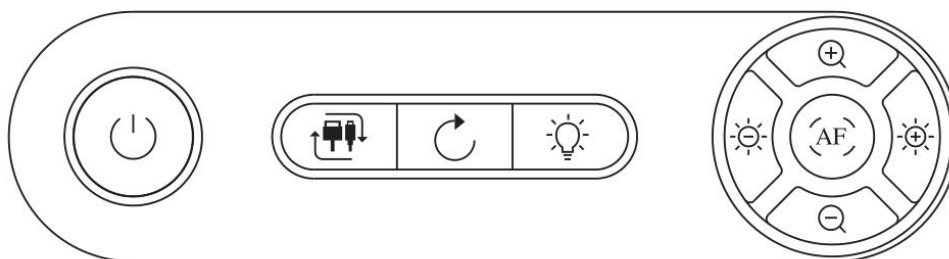


⏻：Power Switch    ⬛：Source Switch    ↻：Rotate the image 180 degrees    ☀：Lighting

⊕：Zoom In    ⊖：Zoom Out    ☀：Bright+    ☀：Bright-

## Remote Control Panel

**Power**：On/off the visual presenter

**Lamp:** turn on/off the lamp of the presenter

**Source:** Camera / VGA1 / VGA2 / HDMI

**Resol:** Resol (Switch) / XGA(1024*768) / 1080P(1920*1080) / 4K

**Replay:** Mouse operation    **Exit:** Exit menu **Snap:** Take pictures

**Record:** Record video    **TELE:** Zoom In    **WIDE:** Zoom Out

**NEAR:** Turn the focus near    **FAR:** Turn the focus far

**AF/ ENTER:    AF:** auto focus

**Enter:** confirm the button after selecting the function

**B. W/C:**  Black&white / Color    **BRI-:** Bright Down    **BRI+:** Bright UP

**TEXT:** Text mode ( Defaults to picture mode), more clearly in text status,more colorful in picture status.

**SHARP-:** Sharp Down    **SHARP+:** Sharp Up

**FREEZE:** Freeze the picture    **NEGA:** Negative

**SPLIT:** Split screen , live on the left, freeze on the right**.**

**RESET:** Restore defaults    **MIRROR:** Horizontally reverse the picture

**ROTATE:** Rotate the image 180 degrees



## **Output Resolution**

System resolution setting in the software or IR remote control resolution menu setting

**XGA:** 1024*768（4:3）

**1080P**: 1920*1080 (16:9)

**4K:** 3840*2160（16:9）(4K type)

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FAQ

| Questions | Measures |
|---|---|
| **No sound/ No image** | ● Check the power supply wire is connected or not;<br>●Check the power supply is turned on or not;<br>● Whether the monitor is powered on and working properly<br>●Please check if the inputs and output interfaces are connected correctly;<br>● Whether to switch the source to the external computer, press the signal switch button on the panel to try;<br>● Restore factory Settings; |
| **The key-press on the control panel dose not work** | ● Check whether the screen is in the image freeze state;<br>● Whether to switch the source to the external computer, press the panel of the presenter key to try; |
| **Remote control is unstable** | ● Operate the remote control close to the presenter;<br>● Check whether the battery of the remote control is installed;<br>● Replace the battery of the remote control;<br>● Try it in different positions; |
| **The image's not clear** | ● Please check whether the lens is dirty, if so please clean the lens with cotton cloth or put the object nearer to the lens；<br>●Perhaps the object is too near, if so please make sure the distance between the object and the lens is over 10mm;<br>● Perhaps the object is too bright or of bright surface, if so please modulate light outside; |

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## Technical Parameters

| model | HD | 4K |
|---|---|---|
| Imaging device | 1/2.8 inch Sony CMOS | 1/2.8 inch Sony CMOS |
| Total pixels | 2 MP | 8MP |
| Horizontal Resolution | 1000TV line | 1600TV line |
| Zoom | 10X optical zoom, 10X digital zoom | 10X optical zoom, 10X digital zoom |
| Focus | Automatic / manual | Automatic / manual |
| Aperture | automatic | automatic |
| White balance | automatic | automatic |
| Image Processing | Color / black and white, mirroring, text / image, brightness adjustment, image freeze, zoom in / out | Color / black and white, mirroring, text / image, brightness adjustment, image freeze, zoom in / out |
| IR remote control | Standard | Standard |
| HDMI resolution | XGA、SXGA、1080P | 4K、1080P |
| VGA resolution | XGA、SXGA、1080P | XGA、SXGA、1080P |
| VGA/HDMI frame rate | 1080P@60fps(maximum) | 3840*2160P@20fps(maximum) 1080P@30fps |
| Resolution | 1920*1080 | 4K (3840*2160) / 1920*1080 |
| USB video stream format | MJPG , 1920*1080@30fps | 3840*2160 @ 15fps 1080P@30fps |
| File shooting range | A3 and below | A3 and below |
| input interface | VGA*1 , HDMI*1 , Audio*1 | VGA*1 , HDMI*1 , Audio*1 |
| Output Interface | VGA*1 , HDMI*1 , Audio*1 USB2.0*1 | VGA*1 , HDMI*1 , Audio*1 USB2.0*1 |
| TF card | Support | Support |
| USB Mouse | Support | Support |
| Operation function by mouse | Annotation, Auto focus, Zoom in, Zoom out, Take photos, Video, Video playback, Split screen, Picture in picture, Freeze, Title, Rotate, Image, Text,etc. | Annotation ,Auto focus, Zoom in, Zoom out, Take photos, Video, Video playback, Split screen, Picture in picture, Freeze, Title, Rotate, Image, Text,etc. |
| Auxiliary light | LED lights, three-level dimming | LED lights, three-level dimming |
| Operating Voltage | 12V (external DC12V power adapter) | 12V (external DC12V power adapter) |
| Booth volume | Folding: 373.5*110*160mm Unfolding: 448*385*160mm | Folding: 373.5*110*160mm Unfolding: 448*385*160mm |
| net weight | 2.80KG | 2.80KG |
| Package dimensions | 400*155*208mm | 400*155*208mm |

∗ Note: The specification may change from time to time, so please refer to the updated products.

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## Mouse operation software

Click the right mouse button to show the menu,.Stop operations for 30 seconds. The menu is automatically hidden. Menu functions and notes are shown in the following figure.



| | | | |
|---|---|---|---|
| **Annotation** | **Auto Focus** | Zoom In | Zoom Out |
| Local Zoom | Title | Rotate | **Freeze** |
| **split screen** | Picture in Picture | Picture or Text | |
| Black & White | **High Light** | Cover | |
| Photograph | Video | Photo | |
| Video playback | System Settings | Manual | |



| | | | |
|---|---|---|---|
| HomePage | Photograph | Pencil | Eraser Tool |
| Undo | Redo | CLS | |

Graphic Properties

Line Width

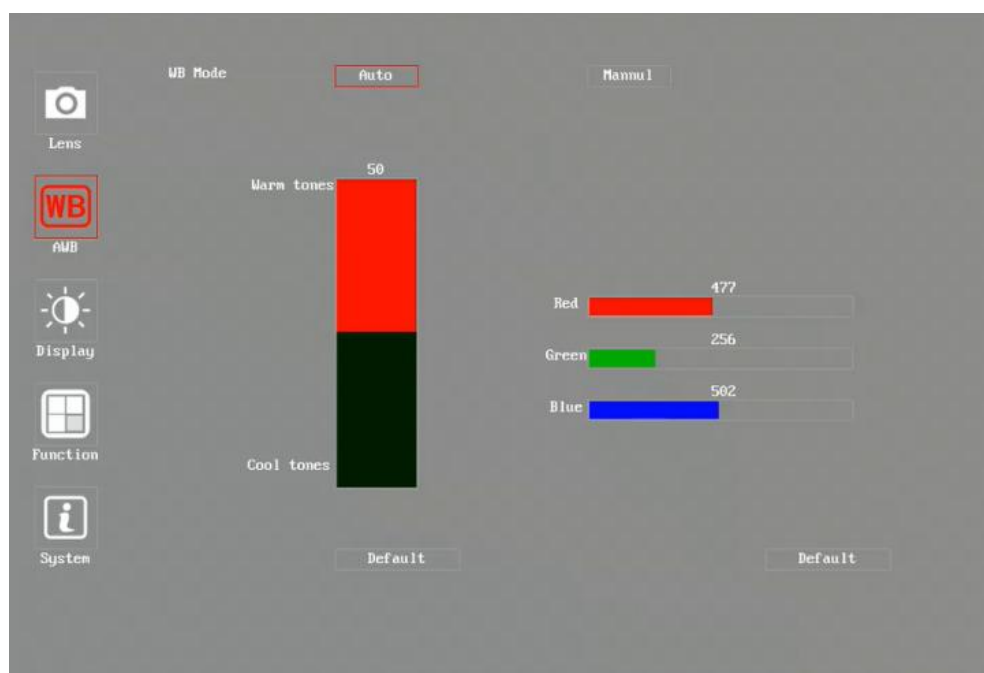Color Attribute

Board Attribute

Real Time Image

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⚙ **System Settings**

The Settings menu contains:**Lens /AWB /Display /Function /System**
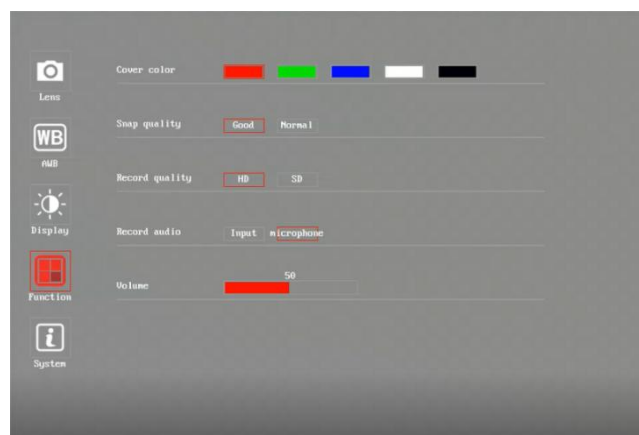
**Lens:**
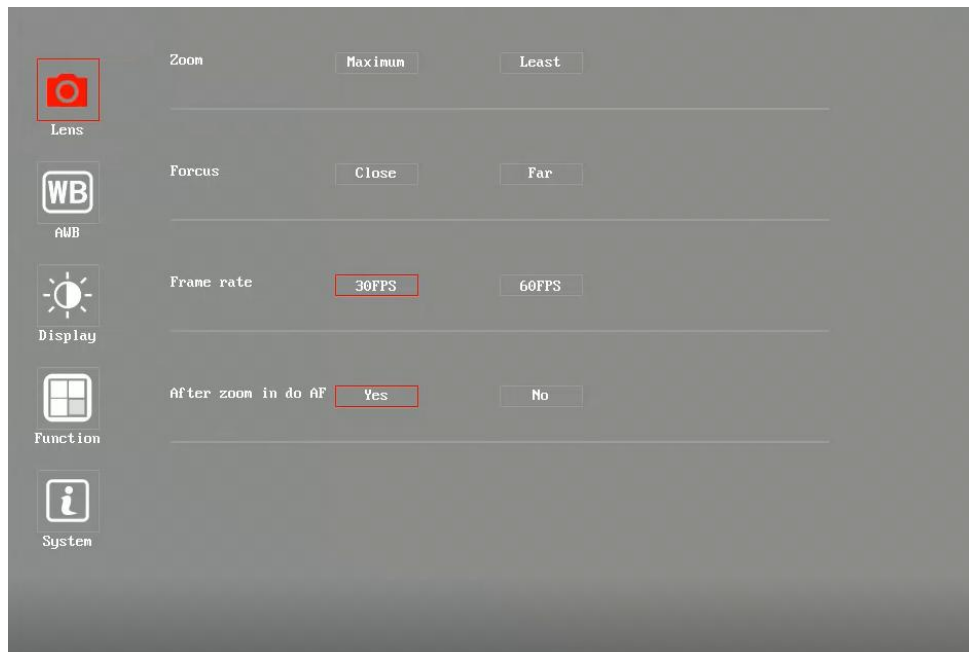


**AWB:** Adjust automatic white balance and manual white balance as required
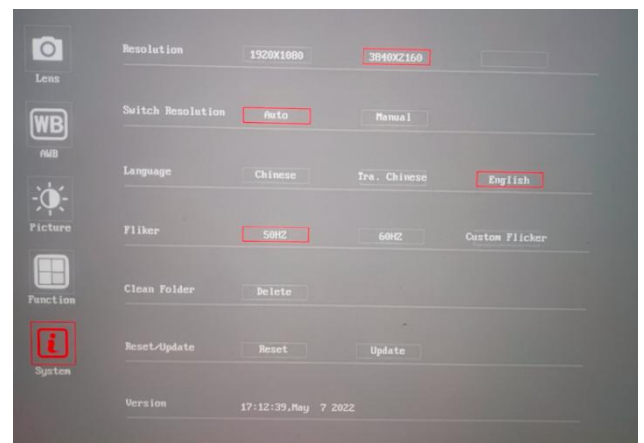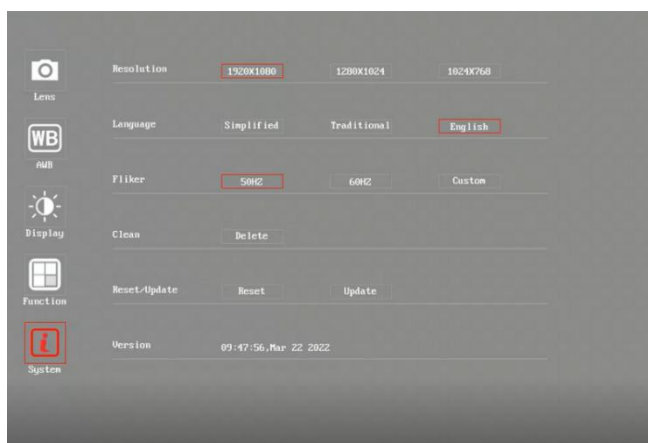
**Display:** Image parameter



**Function:**



**System:**  1080P  & 4K



Note: The specification may change from time to time, so please refer to the updated product.

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