

Visual Presenter/Document Camera

# User Manual



# Chapter One: Product Brief Introduction

## 1.1 Product overview

The visualizer is well-suited in multimedia teaching via video presentation, electronic whiteboard, to scan or review the textbooks, reference books, homework and exercise books etc. to make comparisons, annotation, edit, rotate, scale zoom, electronic courseware preparing. How to improve the quality and efficiency of the lecture? How to record high quality video courseware? Our visual presenter can well solve the above problems.

## 1.2 Warning and Precautions

When open the device, please unfold gently following the guidelines, please do not powerful rotate equipment.

Rough operation easily causes shaft damage, head shell drooping or broken, etc.



Please do not place the equipment in the uneven places, equipment may damage in drop or hurt someone.

Equipment drop easily cause damage or hurt someone.



Please adjust the head shell to an optimal place to ensure the best scanning result.

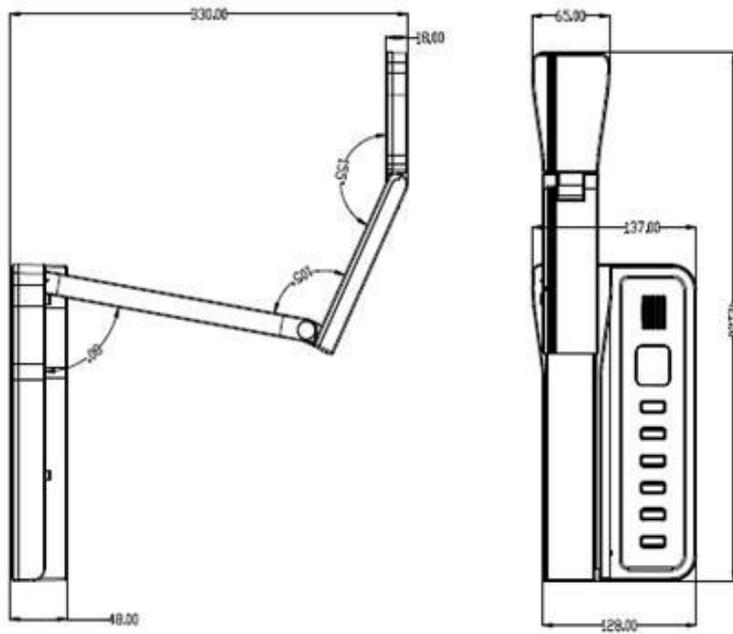
Head shell unadjusted in place easily causes image distorted



## 1.3 Product Appearance Figure

### 1.3.1 Product size diagram

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Model: VE800AF/VE801AF (Units: mm)

### 1.3.2 Product schematic diagram

- ① Lens housing: Support level of 270° rotation.
- ② Lens: For scanning documents
- ③ LED light: Two white led light.
- ④ A shaft of head shell: Support 115° rotation.
- ⑤ Support bar shaft: Support 105° rotation, folding and unfolding states.

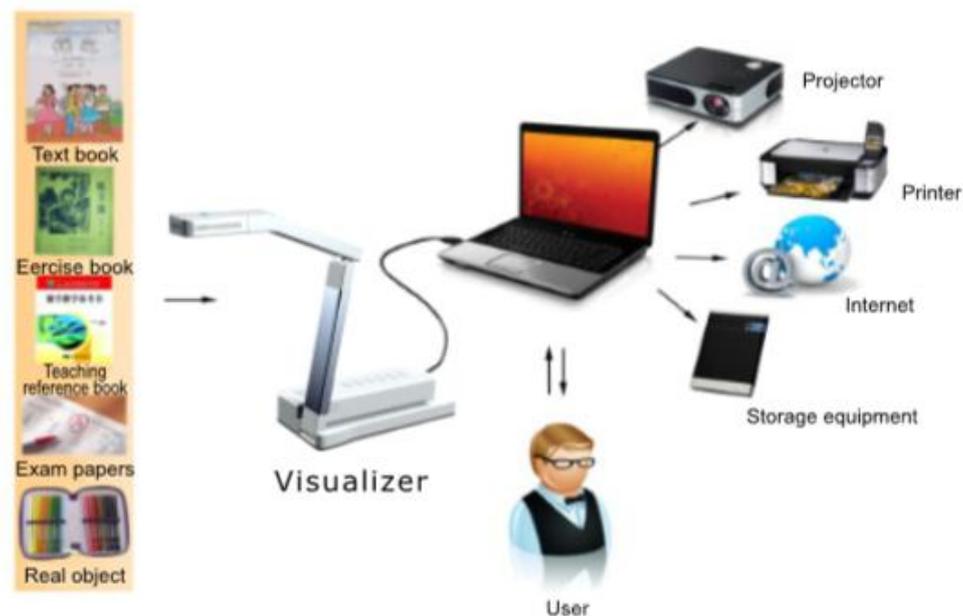


- ⑥ Base shaft: Support 115° rotation, folding and unfolding states..
- ⑦ Infrared receiver: Remote control points to the receiver when using it.
- ⑧ VGA switching lights: The default indicator shows green light, switch to an external output to turn red.

- ⑨ Power light: The indicator light shows red when opening power switch.
- ⑩ Keys area: Offline keys operation ,pls see 3.2.1.
- 11:VGA In : VGA input interface
- 12:VGA Out : VGA output interface to connect projector, TV and other display equipment
- 13:CVBS interface: VGA output interface to connect to TV.
- ⑭ HDMI interface: HDMI output interface to connect projector, TV and other display equipment( Notice: VE801AF with HDMI output)
- 15:Power switch: The control of the power switch.
- 16:Anti-theft lock
- 17:USB port: Online mode, through the port connect to PC.
- 18. Power interface:12 v / 1.5 A adapter connection.

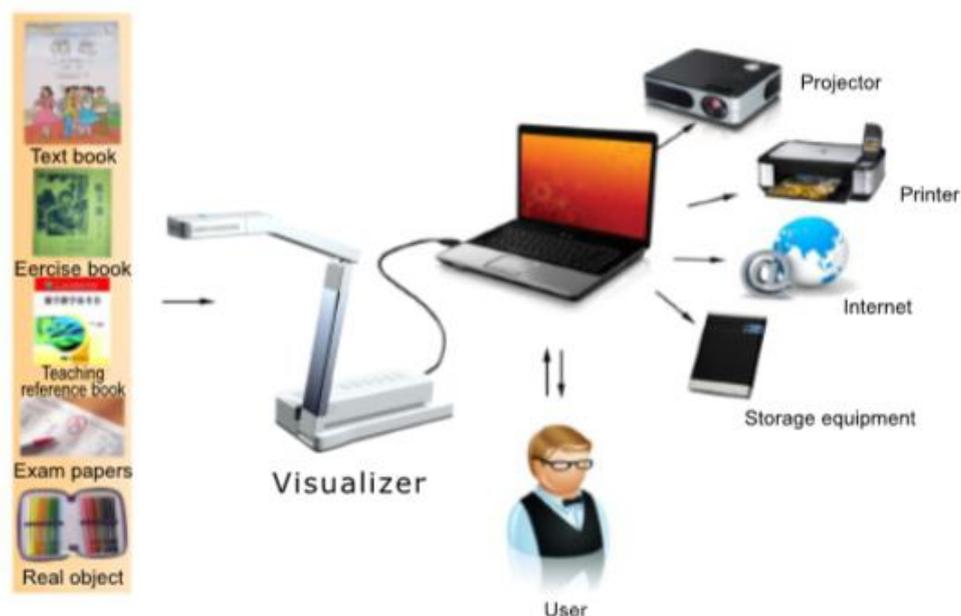
## 1.4 System Connection Diagram

### 1.4.1 Online Mode System Diagram



Note: Open the device and connect the power cable; also connect USB cable to PC and then open software enters into preview interface.

### 1.4.2 Offline mode system diagram



### 1.4.2 Offline mode system diagram

Note: Open the device and connect to power cable, also connect VGA/CVBS cable to TV or projector, and enter into preview interface.

## 1.5 Product Parameters

Number	Specifications	Model	Model
		<b>VE800AF</b>	<b>VE810AF</b>
1	Resolution	500 MG (2560*1920)	500 MG (2560*1920)
2	Working mode	Support online & offline mode	Support online & offline mode
3	Scan range	Book, file, magazine, picture, objects, etc.	Book, file, magazine, picture, objects, etc.
4	Scanning size	A4	A4
5	Scanning speed	1 second	1 second
6	Focus mode	Auto focus	Auto focus
7	Frame rate	30Fps	30Fps
8	Image color	24 bits	24 bits
9	Image Control	Brightness, exposure, sharpness, hue, gain	Brightness, exposure, sharpness, hue, gain
10	Image format	JPG, TIF, BMP, PNG	JPG, TIF, BMP, PNG
11	Video format	AVI, WMV	AVI, WMV

12	Sensor	COMS	COMS
13	Light source	Natural light, LED light	Natural light, LED light
14	Driver	No-driver	No-driver
15	Interface	USB2.0, VGA, CVBS	USB2.0, VGA, CVBS, HDMI
16	Remote control	Support	Support
17	Power supply	12V/1.5A adapter	12V/1.5A adapter

## 1.6 Packaging And Accessories

- 1) Device
- 2) Remote control
- 3) Disk  
CD-Rom 120\*120mm  
CD content: software, driver, manual
- 4) Power adapter
- 5) USB2.0 cable---1.5m Type A male to Type B male
- 6) Manual
- 7) Service Statement

# Chapter Two: Online Operating Instructions

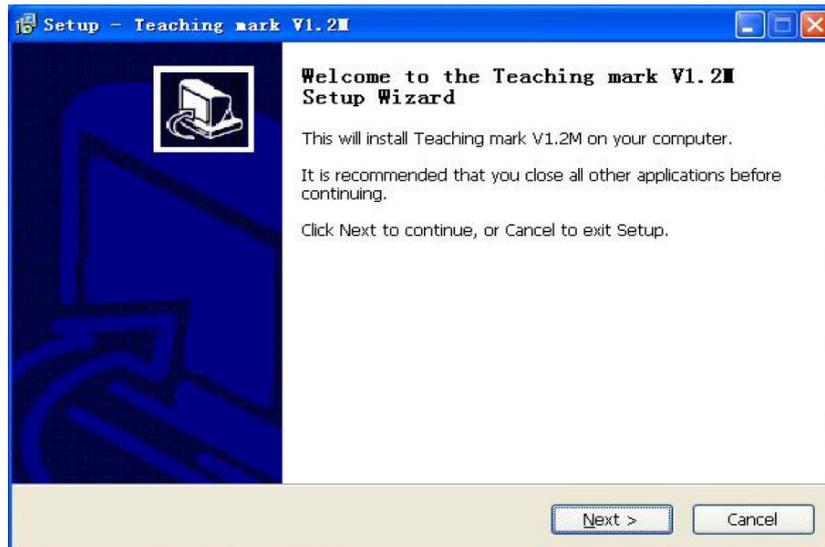
## 2.1 System Installation

### 2.1.1 System Requirements

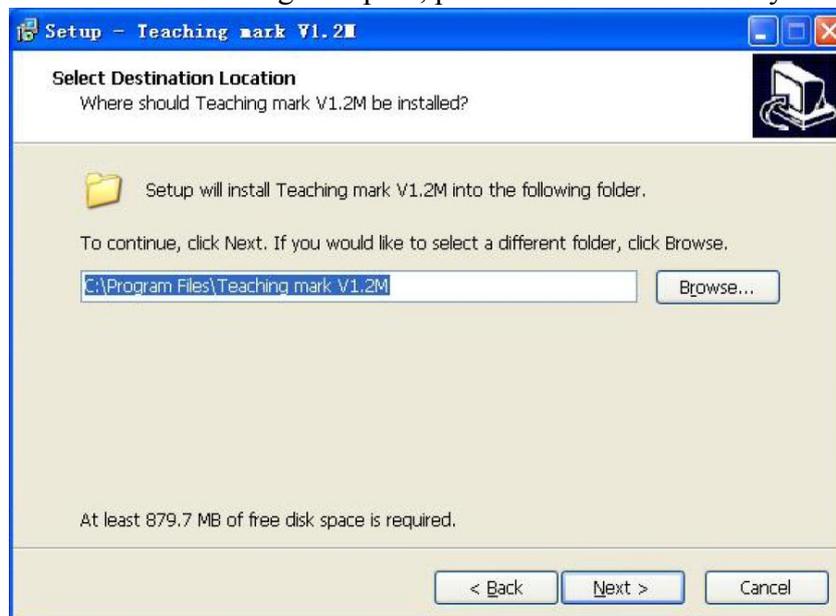
- (1) Hardware: CPU Pentium 4 above, Ram 256MB, CD-ROM.
- (2) USB Interface: The computer must be in accordance with USB2.0
- (3) Operating system: Windows XP/ Windows 2003/ Windows Vista/ Windows 7/ Windows 8

### 2.1.2 Program Installation

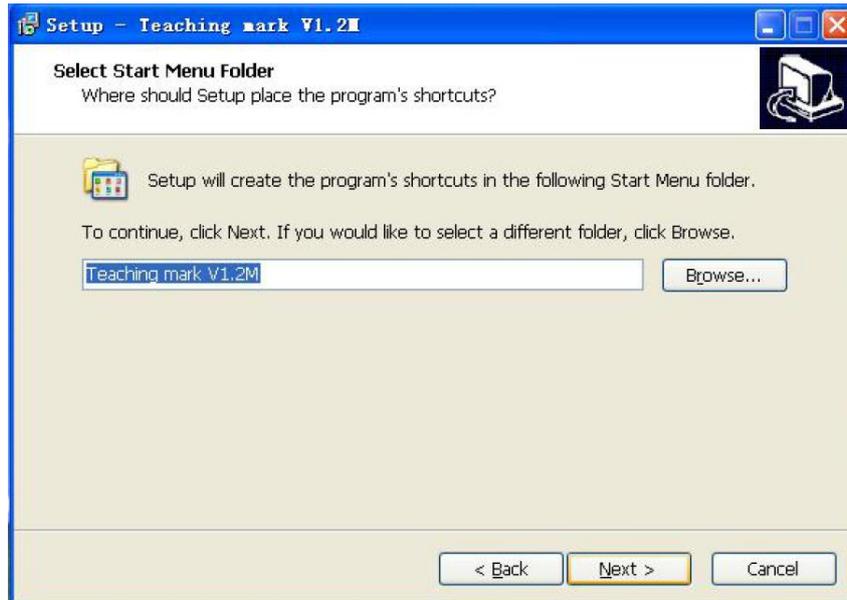
1. Insert the CD, double click software installation program, enter the installation wizard interface. Click "next" to continue.
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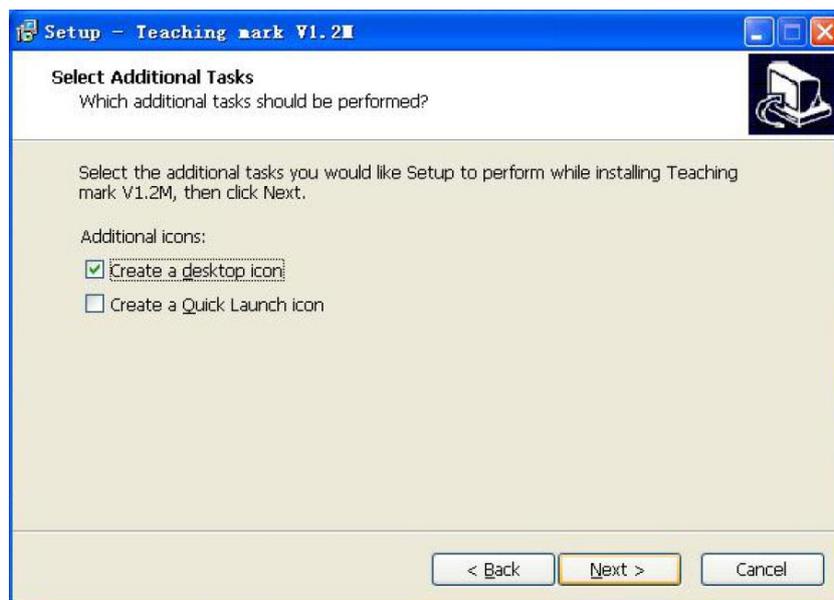
2. Please click “browse” to choose install path, Click “next” to continue.  
Note: If you don’t want to change the path, please click “next” directly.



3. Please click “Browse” and choose a location to create a shortcut to the program.  
Note: If you don’t want to change the path, please click “next” directly.



4. Please choose a location to create a desktop icon, or create a quick start icon, if you don't want to create, just cancel the choose, and click "next"



5. Please choose "Installation" to automatic installation interface. A note will automatically pop up when the installation is completed. Please click "Finish" to complete the installation.

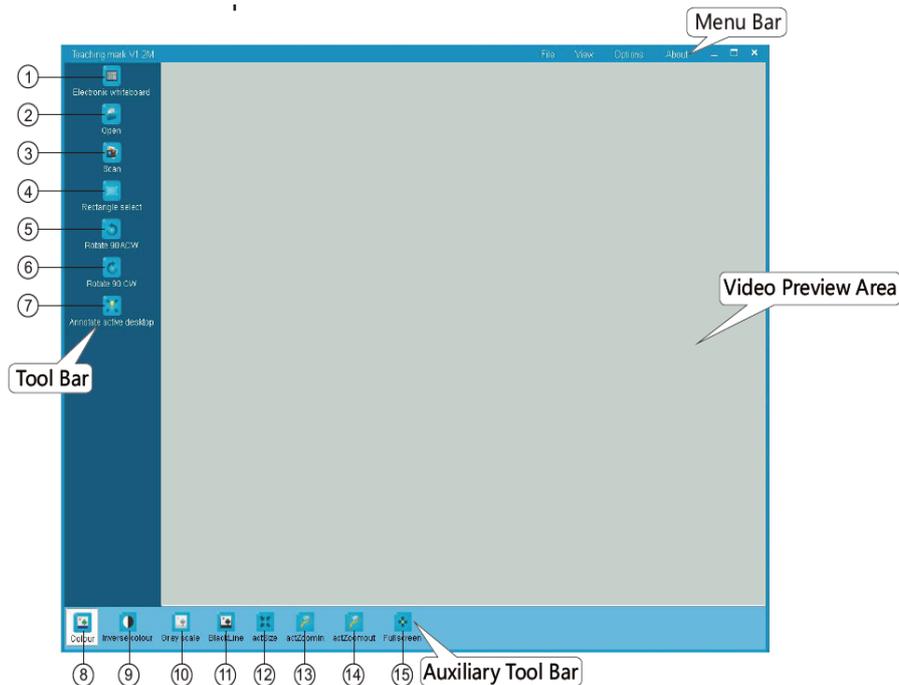
## **.2.2 Video Presentation**

### **2.2.1 Software Interface**

Open software: double click software icon [Teaching-mark ] on desktop, or via the path [Start] →[All programmers] →[Teaching mark ].

Note: After connecting VE800AF device, default to USB output, Open the software to enter preview interface.

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## 2.2.2 Function instruction

### Video Mode

Preview scanning area and scanning effect

#### Tools bar

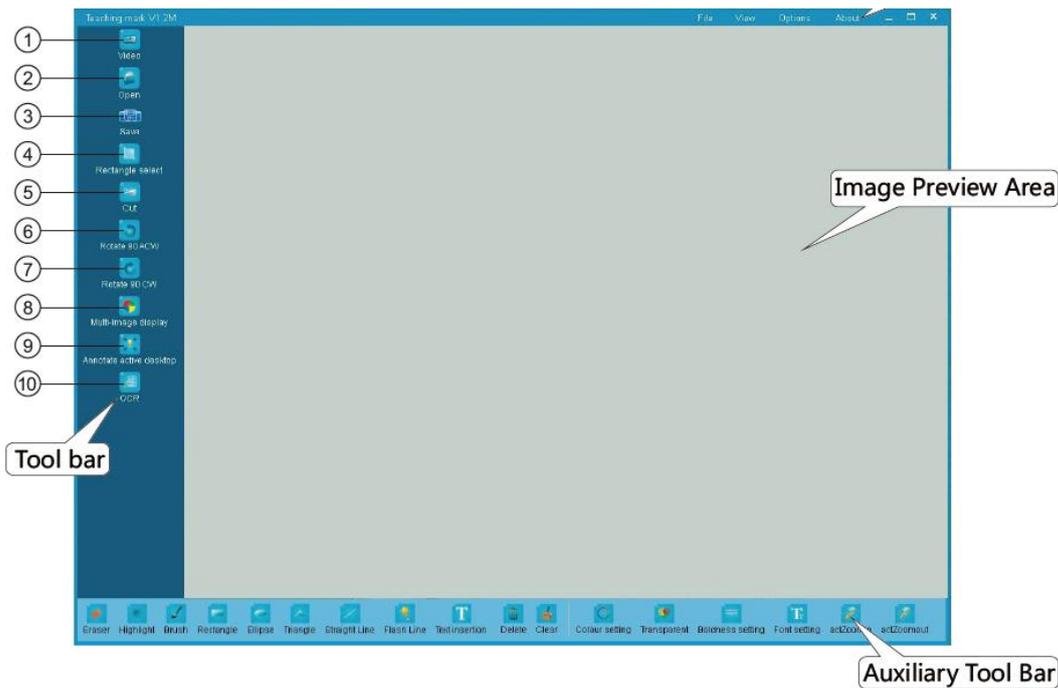
- (1) Electronic whiteboard: To click the button to enter into editing interface, there are many functions, such as making marks, editing, images comparisons on the same screen etc
- (2) Open: to open the file from the storage path.
- (3) Scan: to start a scanning process
- (4) Rectangle select: to select a rectangle area to scan
- (5) Rotate 90 °CCW: to rotate the video image 90 degrees anti-clockwise
- (6) Rotate 90 °CW: to rotate the video image 90 degrees clockwise
- (7) Full screen annotations: to annotate any files from the pc with Aided Tools Bar, detailed Illustration see Aided Tools Bar.
- (8) Color: to present an image in its original color
- (9) Inverse Color: to present an image in opposite color mode
- (10) Grey Scale: to present an image composed exclusively of shades of grey
- (11) Black Line: to present an image composed exclusively of black and white
- (12) Actual size: to present an image according to the real dot density
- (13) Full screen: to present the video image in full screen mode.
- (14) Zoom in: to present a scanned image in bigger size.
- (15) Zoom out: to present a scanned image in smaller size.

## 2.3 Electronic whiteboard

### 2.3.1 Interface Overview

Under 'Video Mode', left click “Electronic whiteboard” to enter its interface.

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### 2.3.2 Function

#### Video Mode

Images preview, annotations and editing

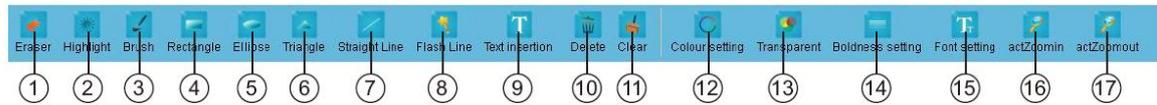
#### Tools Bar

- (1) Video: to click the button to enter into Video Mode
- (2) Open: to open the file from the storage path
- (3) Save: to save the image into saving location
- (4) Rectangle select: to select a rectangle area to scan
- (5) Cut: after rectangle select, click this button to save only selected area
- (6) Rotate 90 °CCW: to rotate the video image 90 degrees anti-clockwise
- (7) Rotate 90 °CW: to rotate the video image 90 degrees clockwise
- (8) Multi-image display: to display and contrast 2 or 4 images on the same screen at the same time
- (9) Full screen annotations: to annotate any files from the pc through Aided Tools Bar, detailed Illustration see Aided Tools Bar.
- (10) Segmentation: After inputting the line no. and column no. ,left clicking mouse and dragging it to the area you need. (Note: please do not make the line cover the character and rotate the image to make the images head up and vertical.)
- (11) Recombination: to recombine the character as per the line no. and column no. setting in Segmentation

Note: Press [ Esc ] to return the original images without the operation of segmentation and recombination.

#### Auxiliary tool bar

## Auxiliary Tool Bar



- (1) Eraser: to erase the image or marks
- (2) Highlight: The area of rectangle select to be highlighted
- (3) Brush: to paint the image with any shape
- (4) Rectangle
- (5) Oval
- (6) Triangle
- (7) Line
- (8) Flash line
- (9) Text inserts
- (10) Delete: to delete the selection
- (11) Clear: to clear all the marks
- (12) Selected: to select to drag or delete the marks
- (13) Color Setting
- (14) Transparent Setting
- (15) Thickness setting
- (16) Font settings
- (17) Zoom in: to present a scanned image in bigger size.
- (18) Zoom out: to present a scanned image in smaller size.

Note: Only when make full-screen annotations; two buttons will appear as follows.

- (19) Cancel annotations/ Full screen annotations:: Click “cancel annotations” to open any files on the computer/ Click” Full screen annotations:” button to make annotations on the desktop.
- (20) Back to the main interface

## 2.4 Menu Bar Descriptions

### 2.4.1 Diagram

The menu bar under **【Video】** and **【Electronic whiteboard】** see as below:



### 2.4.2 Instruction

#### ① File

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**Save:** To save images according to the specified file name, format and path.

**Note:** This function is invalid when it is grey.

**Save as:** To save images into user-defined name, format and path.

**Note:** This function is invalid when it is grey

**Save setting:** to set the image name and saving path as below:



## ② View

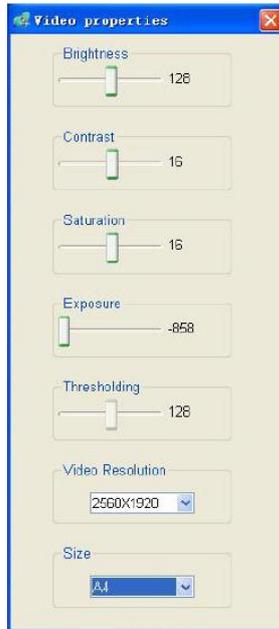


**Actual size:** Set the image to the current pixel size

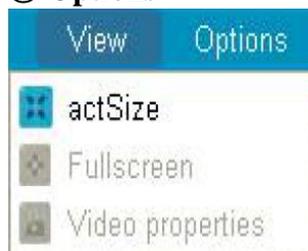
**Full screen:** to set the current video in full screen mode.

**Video property:** to set video brightness, Contrast, Saturation, Binaryzation (Only valid in black and white)

Exposure, Resolution etc. As shown below..



### ③ Options



**Screen Recording:** to record the user's any operation on desktop, as shown below



- (1) **File selection:** start, stop, pause, exit screen record.
- (2) **Area selection:** select the recording area by manual or fixed area or full screen
- (3) **Options:** Video Select, Sound Record, Audio Select, Motion Snapshot, Audio Rate, and Program Options.
- (4) **View:** Tool Bar, Status Bar, Short Mode for selection.
- (5) **About:** The version number of Screen-recording software.

### Screen switch

Used for window switch (same as ⑤)

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- ④ **About:** Display software version information.
- ⑤ **Screen switch:** to switch software to quit when the user temporarily stop using the software.
- ⑥ **Maximize and minimize:** to select size of the interface.
- ⑦ **Shutdown:** Shut down the software directly.

## **Chapter Three: Offline Operating Instruction**

### **3.1 Function Specifications**

#### **3.1.1 VGA OUT**

**Step 1:** Connect a projector or related TV displayer to "VGA OUT" port, make the adapter connect to the port DC 12 V and turn on the power.

Step 2: Turn the power switch to "ON" switch and enter into working status.

Step 3: The device directly enter into image preview.

Step 4: After successfully entering into preview interface, some features like documents or material presentation pictures displaying, picture browsing, amplification, narrow, title/lifting/freeze can be operated by remote control, more instructions refer to 3.2.2

#### **3.1.2 HDMI OUT**

**Step 1:** Connect a projector or related TV displayer to "HDMI" port, make the adapter connect to the port DC 12 V and turn on the power.

Step 2: Turn the power switch to "ON" switch and enter into working status.

Step 3: The device directly enter into image preview.

Step 4: After successfully entering into preview interface, some features like documents or material presentation pictures displaying, picture browsing, amplification, narrow, title/lifting/freeze can be operated by remote control, more instructions refer to 3.2.2

#### **3.1.3 CVBS Mode**

Step1: Connect a projector or related TV displayer to "CVBS" port, make the adapter connect to the port DC 12 V and turn on the power.

Step 2: Turn the power switch to "ON" switch and enter into working status.

Step 3: The device default come out with VGA/HDMI mode, Press "VGA/USB" switch to CVBS mode to image preview mode

Step 4: After successfully entering into preview interface, some features like documents or material presentation pictures displaying, picture browsing, amplification, narrow, title/lifting/freeze can be operated by remote control, more instructions refer to 3.2.2

#### **3.1.4 VGA IN, VGA OUT/HDMI OUT:**

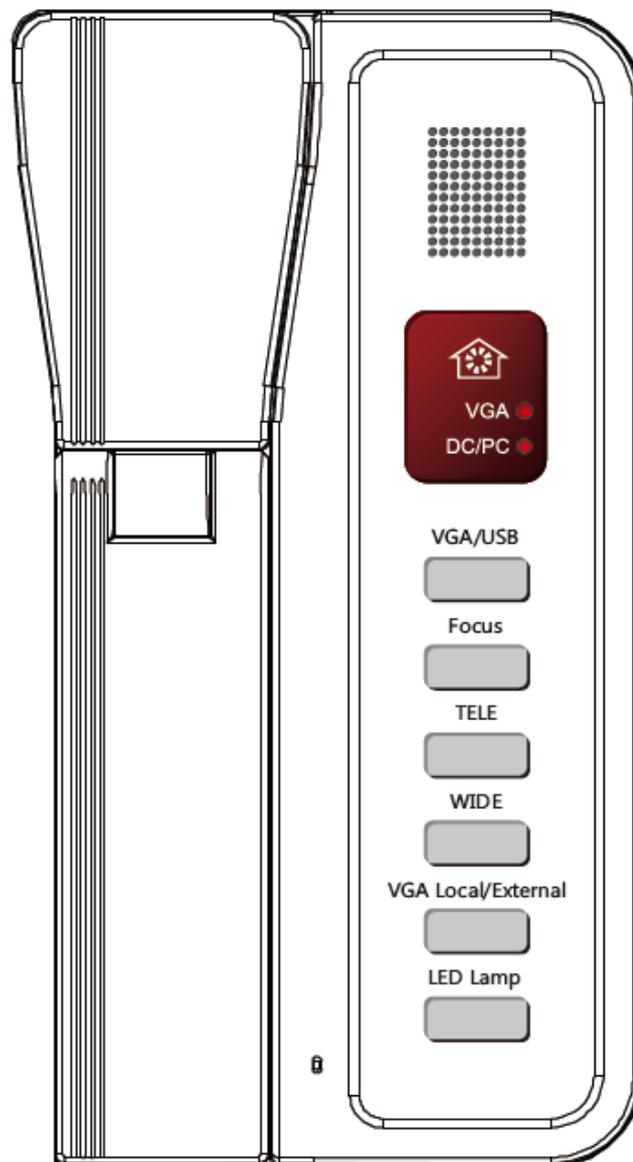
Step1:"VGAIN" connect to "VGA" signal out device like PC, laptop.(NOTE: The

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laptop must be under working status and switch to VGA or dual screen mode)  
Step 2: Connect a projector or related TV displayer to "VGA OUT" or "HDMI" make the adapter connect to the port DC 12 V and turn on the power.  
Step 3: Turn the power switch to "ON" switch and enter into working status.  
Step 4: The device directly enter into image preview., press "VGA Local/External" to switch to local and nonlocal signal.

## VE800AF keypad Layout

Panel key overall layout diagram as shown below:

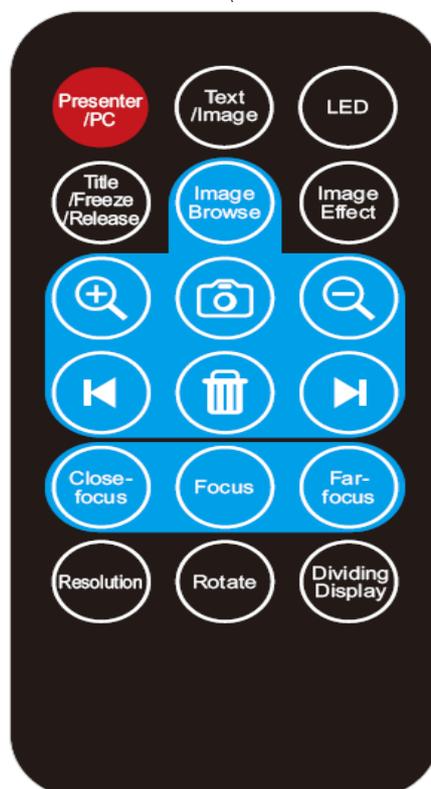


Key Description

Button function shows as following:

Button	Function	Function specifications	Note
VGA/USB		Default to USB and VGA/HDMI output simultaneously, press this button can switch VGA/HDMI, USB, CVBS mode	Device with HDMI output port, support VGA and HDMI output simultaneously
FOCUS		Default to focus once when power on, subsequent request the manually click to focus	
TELE		Click this button can zoom in continuously in the preview image.	
WIDE		Click this button can zoom out continuously in the preview image	
VGA Local/External		Default to USB and VGA output simultaneously, press to cyclic switch VGA, USB mode.	USB and VGA connection switch
LED Lamp		With I/O control, default to light off when power on, press to turn on the LED light.	default to light off when power on, press to turn on the LED light.

3.1.2 The overall schematic of remote control as follows.



## Key Description

1. Presenter/PC: Default to USB and VGA output simultaneously when power on, press to switch VGA, HDMI, USB or CVBS mode.
  2. Text/image: Default to image mode when power on, press to switch into text mode.
  3. LED: Default to light off when power on, press to turn on the LED light.
  4. Title/freeze/remove: Title freeze by pressing firstly; Title freeze release by pressing secondly, Full-picture freeze by pressing thirdly; Full-picture freeze release by pressing fourthly, and so forth.
  5. Image browse: To browse images starting from the first one, to switch images in order by each press; By 2 seconds pressing to exit.
  6. Image Effect: Default to color mode when power on . Black and white mode by pressing firstly; negative by pressing secondly; Mirror by pressing thirdly; and so forth.
  7. : To zoom in images continuously.
  8.  Snapshot: Under VGA mode, to store scanned images with quantity 3-32pcs by different resolution; automatically covering first picture once storage reaches full.
  9. : to Zoom out images continuously.
  10.  Previous: Press " Previous" to browse the previous image.
  11.  Delete: Delete the current images.
  12.  Next: Press "Next" to browse the next image.
  13. Close-focus: Press to get close focus.
  14. Focus: Default to focus once when power on, press to get much more clear focus based on the current environment. Note: Please never press too frequently which is
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harmful to the camera.

15. Far-focus: Press to get far focus.

16. Resolution : Default to SXGA resolution (1280x1024) ,Switch respectively to 1080、XGA(1024×768)、720P、SVGA(800X600)。

17. Rotate: Default to rotate images 90 °, 180 °, 270 °, and normal direction.

18 Dividing display: Dividing-screen display by showing still images on the left and real-time images on the right. Dividing display release by pressing again.

## Chapter Five: Troubleshooting

NO.	Designation	Description	Solution
1	“Offline mode” appears black screen.	Equipment through the VGA, CVBS cable connect to projector or TV, appears black screen.	1. Check if the VGA, CVBS, power supply are connected correctly, Shut off the power and open again. 2. VE800AF default to VGA output, no need to press "Presenter/PC " button, directly enter into preview mode.
2	“Online mode” appears black screen.	Equipment connect to computer via a USB cable, Open the software and no image shown	1. Check if USB cable and power cable are connected correctly; 2. VE800AF default to USB output, no need to press "Presenter/PC " button, directly enter into preview mode.
3	The remote failure or ineffective	Remote control connected to the equipment. Operate the remote control, equipment has no reaction.	1. For the first time using , remove the battery insulating film (white), make remote control power on ; 2. Remote control don't point to the device's infrared receiver 3. Equipment power supply is off or out of battery.
4	Indicator light is not on	When equipment connects to PC according to the manual, Indicator light is not on	1. Making sure PC is working; 2. Check USB cable, re-plug USB cable; 3. Check USB interface of PC, change to another USB interface or change a computer.
5	LED is not bright	When the equipment connects to computer according to the	1. Check USB cable, re-plug USB cable 2. Press LED button and recheck if operation correctly according to the manual.

		manual, led not bright	
6	Starting software error	Open the software and Pop up error message, click the OK and then exit.	<ol style="list-style-type: none"> <li>1.Check USB cable, re-plug USB cable</li> <li>2.Re-start PC or re-start software;</li> <li>3.Uninstall the software, re-install it.</li> </ol>
7	Images uneven and unclear	The scanned images appear uneven color, unclear and partial dark	<ol style="list-style-type: none"> <li>1.Insufficient light, to capture in light-filled environment;</li> <li>2.Lower Resolution, normally 2 million for 1600 x 1200, 3 million for 2048 x 1536,5 million for 2592 x 1944;</li> <li>3.Check if display mode is set correctly.(Real Color)</li> </ol>
8	Images appear pixels noise	Pictures appear numerous small white point when scanning files	<ol style="list-style-type: none"> <li>1.Insufficient light, to capture in light-filled environment;</li> <li>2. Change to the white background to capture.</li> </ol>
9	Image distortion	Pictures occur trapezoidal, gram and deformed when scanning files	<ol style="list-style-type: none"> <li>1.Head shell is not open in place, shooting Angle is not up to 90 degrees, start it again;</li> <li>2.Files does not lay flat, there is arch, Angle, or literary itself with irregular shape.</li> </ol>
10	no marks function or no response after marking	“Electronic whiteboard” mode, no response after marking.	Under” Electronic whiteboard” mode, check if transparent setting and color setting is set correctly.