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## Chapter I Products Overview

### 1.1 Product Description

#### 1.1.1 Packing detail list

Item No.	Description	Quantity
1	Document Camera	1pc
2	AC Power Cable	1pc
3	RGB Cable	1pc
4	User Manual	1pc
5	Power Adapter	1pc
6	RS232 Cable ( Optional)	1pc
7	USB Cable ( Optional)	1pc
8	Remote Control ( Optional)	1pc
9	CD software ( Optional)	1pc

#### 1.1.2 Components

- ①. Camera
- ②. Len Slide Pole
- ③. Arm Lamps
- ④. Control Panel
- ⑤. Demo Table-board
- ⑥. IR Receive Window



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## 1.2 Products Appearance and Parameters

### 1.2.1 Products Appearance



### 1.2.2 Products Parameters

(1) Input Port:

VGA x 2, AV x 1, MIC x 1 (Optional)

(2) Output Port:

VGA x 2, AV x 1

(3) Control Port

USB x 1 (Optional), RS232 x 1 (Optional), SD Socket x 1 (Optional), LCD x 1 (Optional)

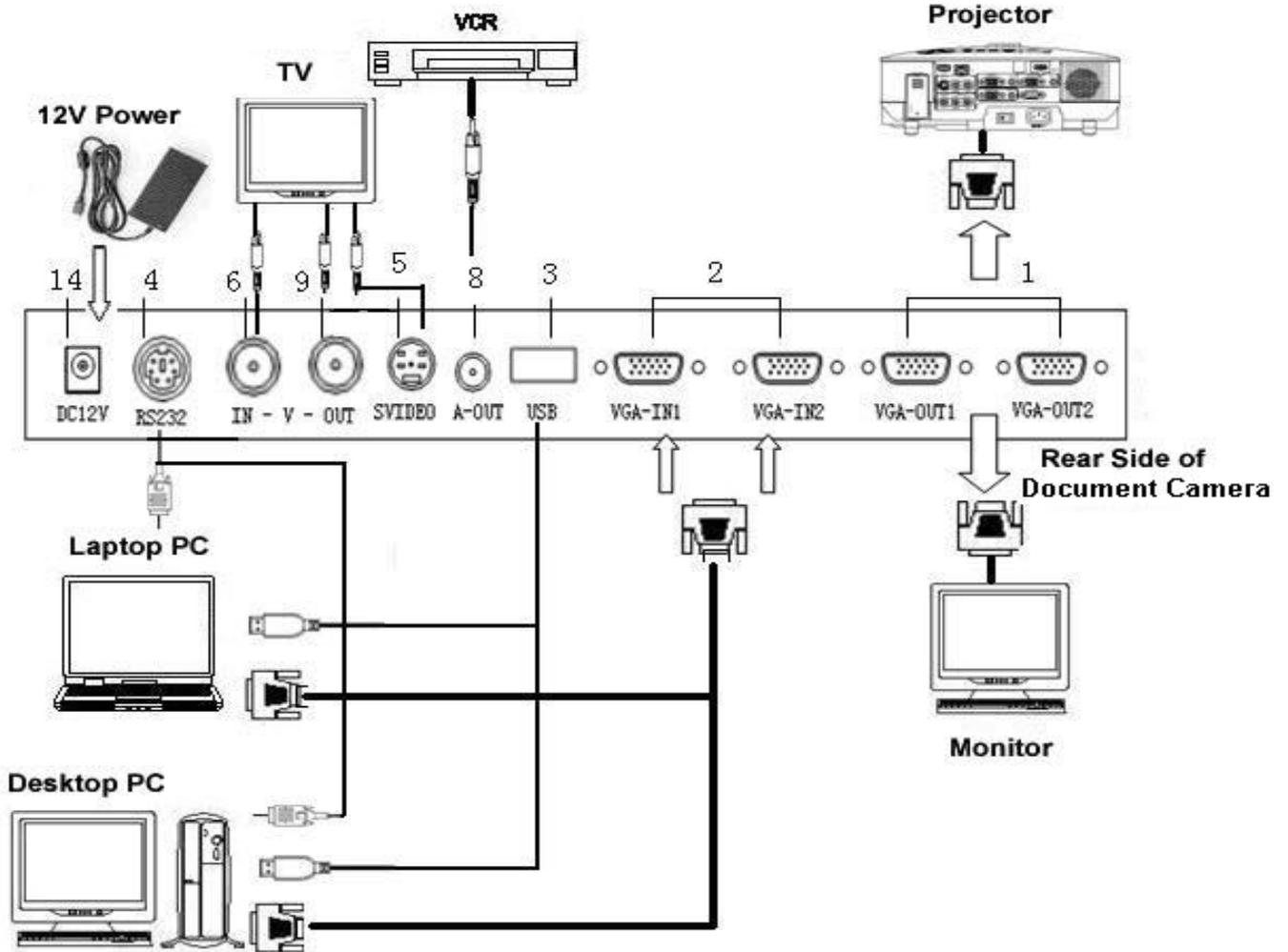
## Chapter II .Document Camera User Guide

### 2.1 Connection and Operation Instruction

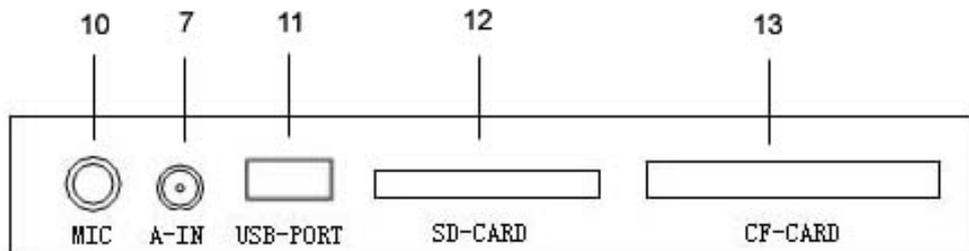
Before you turn on the document camera, please put the document camera in the proper place and

make sure that all the equipments are connected correctly.

### 2.1.1 Connection



Slide Jack of Document Camera



**1. VGA—OUT1/VGA—OUT2:** Connect the VGA interface of display device. Like projector, monitor and so on.

**2. VGA—IN1/VGA—IN2:** Connect external VGA signal sources.

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- 3. USB:** Connect USB port of PC.
  - 4. RS232:** Connect PC serial port.
  - 5. SVIDEO:** S-VIDEL output.
  - 6. V-IN:** RCA Video Input.
  - 7. A-IN:** Audio Input.
  - 8. A-OUT:** Audio Output.
  - 9. V-OUT:** RCA Video Output.
  - 10. MIC:** Microphone Output (Optional)
  - 11. USB—PORT:** USB Port, for SD Reader(Optional)
  - 12. SD—CARD:** SD Card Input.
  - 13. CF—CARD:** CF Card Input.
  - 14. DC12V:** DC12V Power Interface.

#### 2.1.2. Operation Instruction

1. Light press the demo table board, pull the lens slide pole to your reserved place.
2. Put the arm lamps down, adjust the angle of lamps to proper place.
3. Rotate camera, adjust the angel vertical to the dome table board, take off the lens cover.
4. Power on, press “Power” button on control panel, the document camera is on and works. Then you can find the demonstrate object or documents is presented on any display terminal.
5. Capture the objects which around the document camera. Rotate the camera till capture the object. Press “Auto” button on control panel for auto focus.
6. Attention: If you need to use the remote control, move the white switch out, which is near the power button. The remote control will popup. When remote control is finished, move the white switch out, plug the controller.



7. Finish using, power off (Indicator light is off), disconnect power cable, put down the arm lamps, put down the lens pole and lightly push camera, put down the stand, to keep the document camera in a good condition.

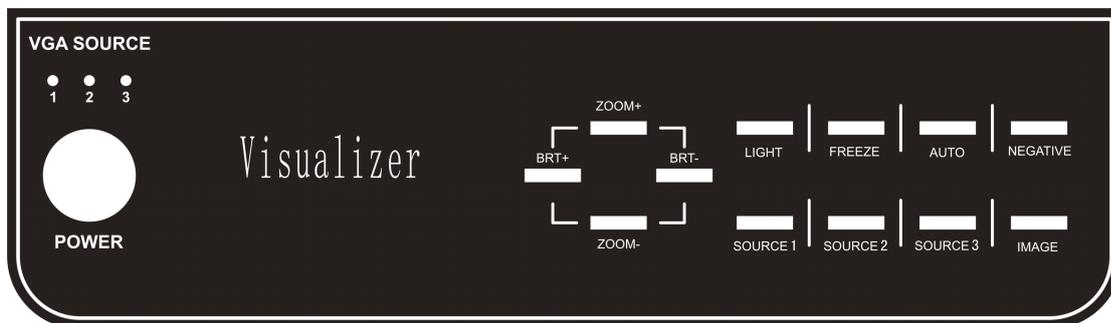


Operating



Finish using

## 2.2 Control Panel buttons and Remote Control Instruction





The pictures are for reference only, in order to prevail in kind

### List for Buttons Function

Item No.	Button	Function
1	POWER	Power, turn on/off document camera
2	FUN	Delete storage content
3	SOURCE	Switch the document camera signal and external signal
4	SAVE	To save the current image. When the saved images exceed the memory, the latter will replace the former image. Note: If press this button and playback or browse, all the saved images will be deleted.
5	VGA	Adjust VGA output resolution
6	DIV2	Same screen comparison
7	RECALL	Play storage content
8	OK	Selected the playback images
9	▲/▶/▼/◀	Select the saved images
10	ZOOM IN	Zoom in the demonstrated object, press the button to enlarge the image, constantly enlarge or maximum enlarge the image if you press the button for a long time
11	ZOOM OUT	Zoom out the demonstrated object, press the button to reduce the image, constantly reduce or maximum

		reduce the image if you press the button for a long time
12	+/-RED	Manual adjust the image's red color
13	+/-BLUE	Manual adjust the image's blue color
14	+/-VOL	Manual adjust volume
15	PLAY	Read external memory card
16	BROWSE	Review the saved images
17	AWB	Auto white balance
18	AF	Auto focus
19	LIGHT	Back lamp and arm lamps can be converted, or all are closed.
20	ROTATE	Image mirroring and rotation function
21	BLACK	Switch image between chromatic color and black &white
22	STOP	Stop to play the image
23	ON	Turn on projector
24	OFF	Turn off projector
25	SIGNAL	Choose projector signal source

### Detailed Instruction of Some Functions

**Zoom In/Out:** This is the main function of the document camera. It is to adjust the shooting area and focus to zoom in or zoom out the image. Once press this button, the camera will auto focus, after focusing can do the next zoom in or zoom out.



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**Zoom In**



**Focusing**

**Zoom Out**



**Finish Focus**

**Positive / Negative:** Positive means the image is displayed on document camera in the Normal Condition color is the same as object. When press “Negative” button, image display as X gray effect, film can be displayed.



**Positive**



**Negative**

**Save Image:** To save the current image. The saved image quantity will be varied with different camera. When exceed the memory, the latter image will replace the former. Select the image by ▲ /▶/▼/◀ of the remote control, then press “OK” to confirm the selection.

## **Chapter III Troubleshooting and Solution**

### **3.1 Troubleshooting and Solution**

#### **Question 1: No image when turn on the document camera?**

- Solutions:**
1. Check the electrical socket is energized. Change another socket for a try;
  2. Whether connect the equipments correctly. If the connection is correct, change another VGA cable for a try;
  3. Make sure the lens cover has been taken off.

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**Question 2: Blurry focus?**

- Solutions:**
1. Check whether the lens for short-distance have already been installed, the lens cleaned or not;
  2. Check whether the document camera is on manual focus mode, press auto focus for conversion;
  3. Reduce the magnification;
  4. Restart the document camera.

**Question 3: No VGA signal output when the document camera is connected?**

1. Check the VGA cable is firmly inserted;
2. Check the document camera is switched to another VGA channel;
3. Check the signal cable whether is damaged.

**Question 4: When turn on the document camera, there is color deflection?**

It may be caused by adjust "red+" or "blue+" button, press the button "AWB"(Auto White Balance) can solve it.

**Question 5: USB and RS232 do not work?**

These functions need to work with the installed software. Please check the CD software for reference.