

Document Camera (PK-Pro510DC) Setting Manual

PKLNS CO.,LTD

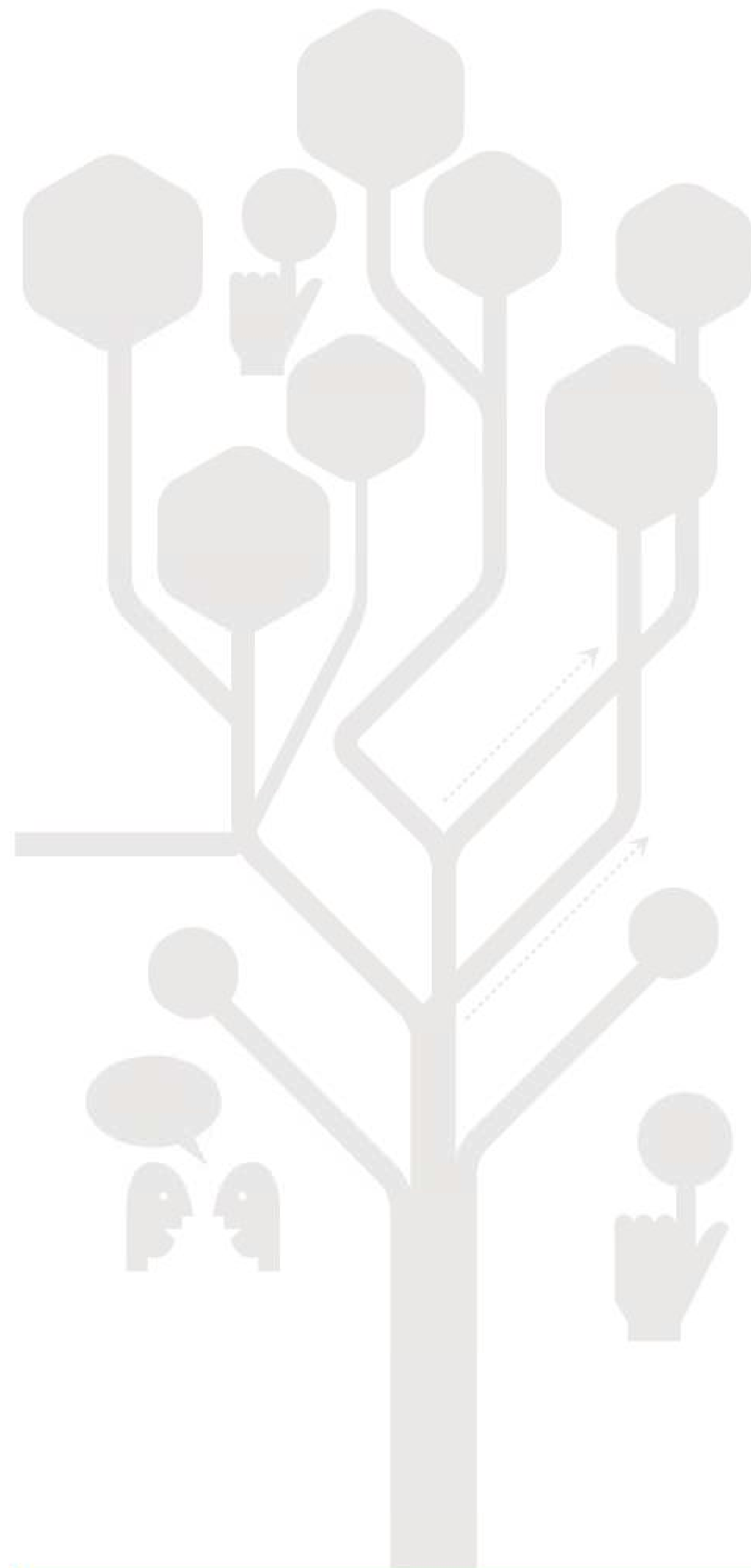
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PLEASE READ CAREFULLY BEFORE USE

- Please be aware of the required power supply environment is 100-240V, 50/60Hz, 2A Max.
- Do not place the equipment under sunlight, near heaters, near water, or on any unstable surface.
- Keep the equipment away from acid or alkali gas.
- The recommended operating environment is:
Temperature: 0°C--45°C(32°F-113°F)
Humidity: less than 75%
- Always unplug BEFORE cleaning the equipment. Do not use volatile solvent when cleaning.
- Unplug the power cable if camera is not in use for a long period.
- Consult the dealer for professional assistance when there is any problem with the equipment.

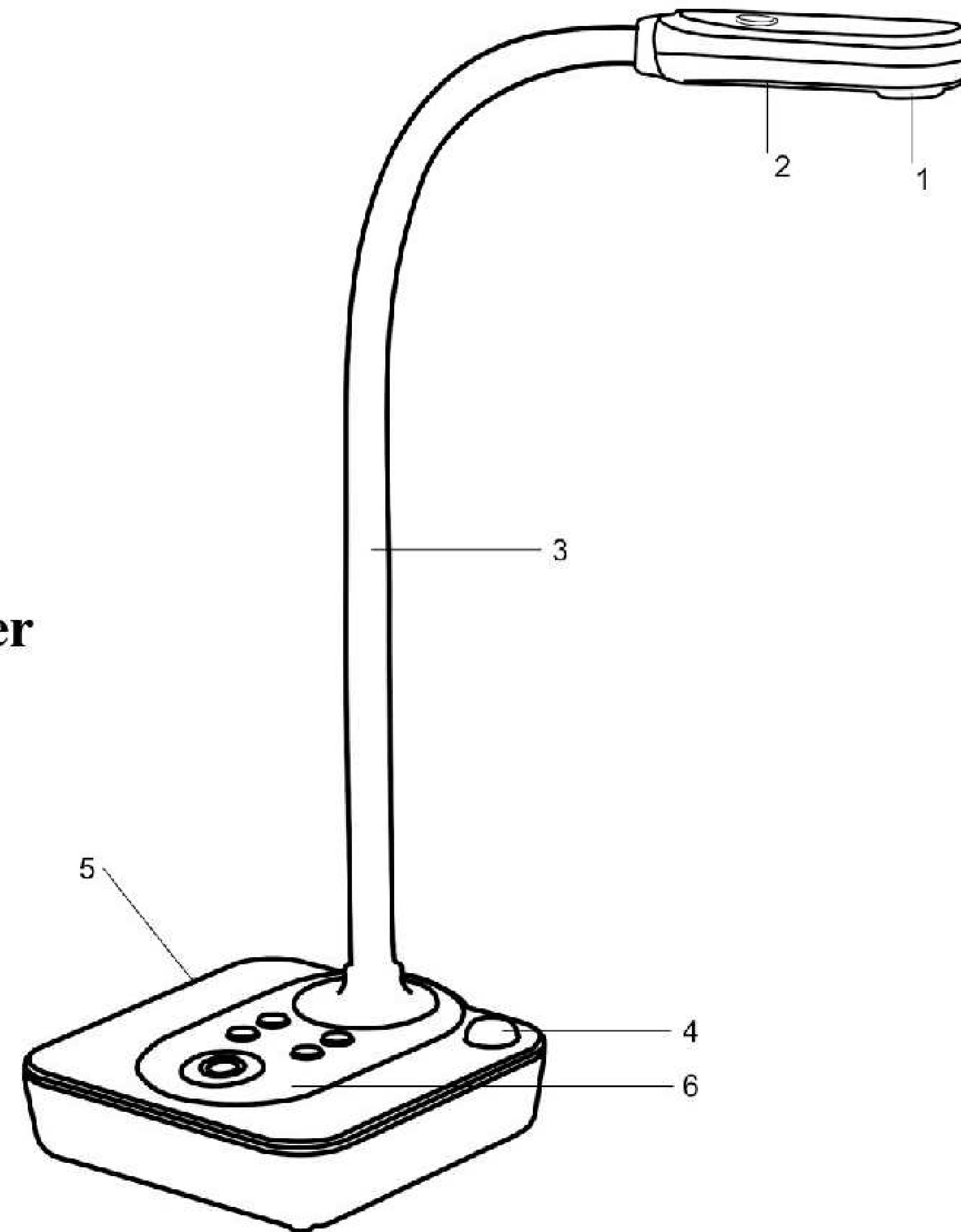


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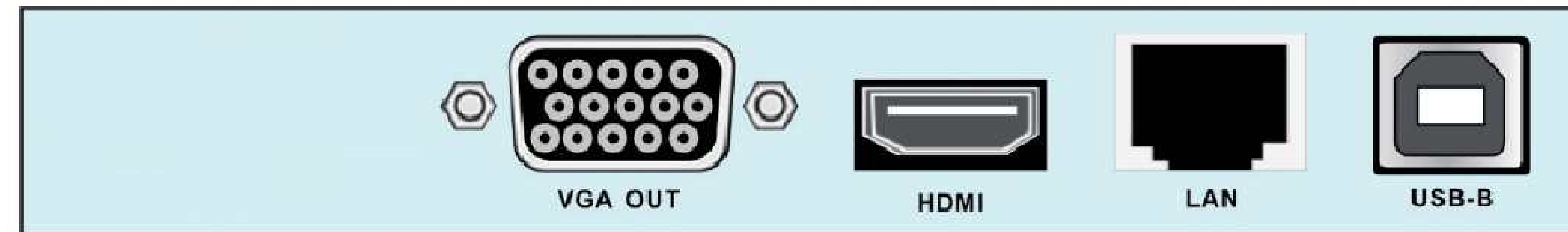
PARTS AND FUNCTIONS



1. **Camera**
2. **LED light box**
3. **Goose neck**
4. **Remote control IR receiver**
5. **Side panel**
6. **Control panel**



INPUTS AND OUTPUTS



1.VGA OUT: invalid.

2.HDMI:HDMI signal output

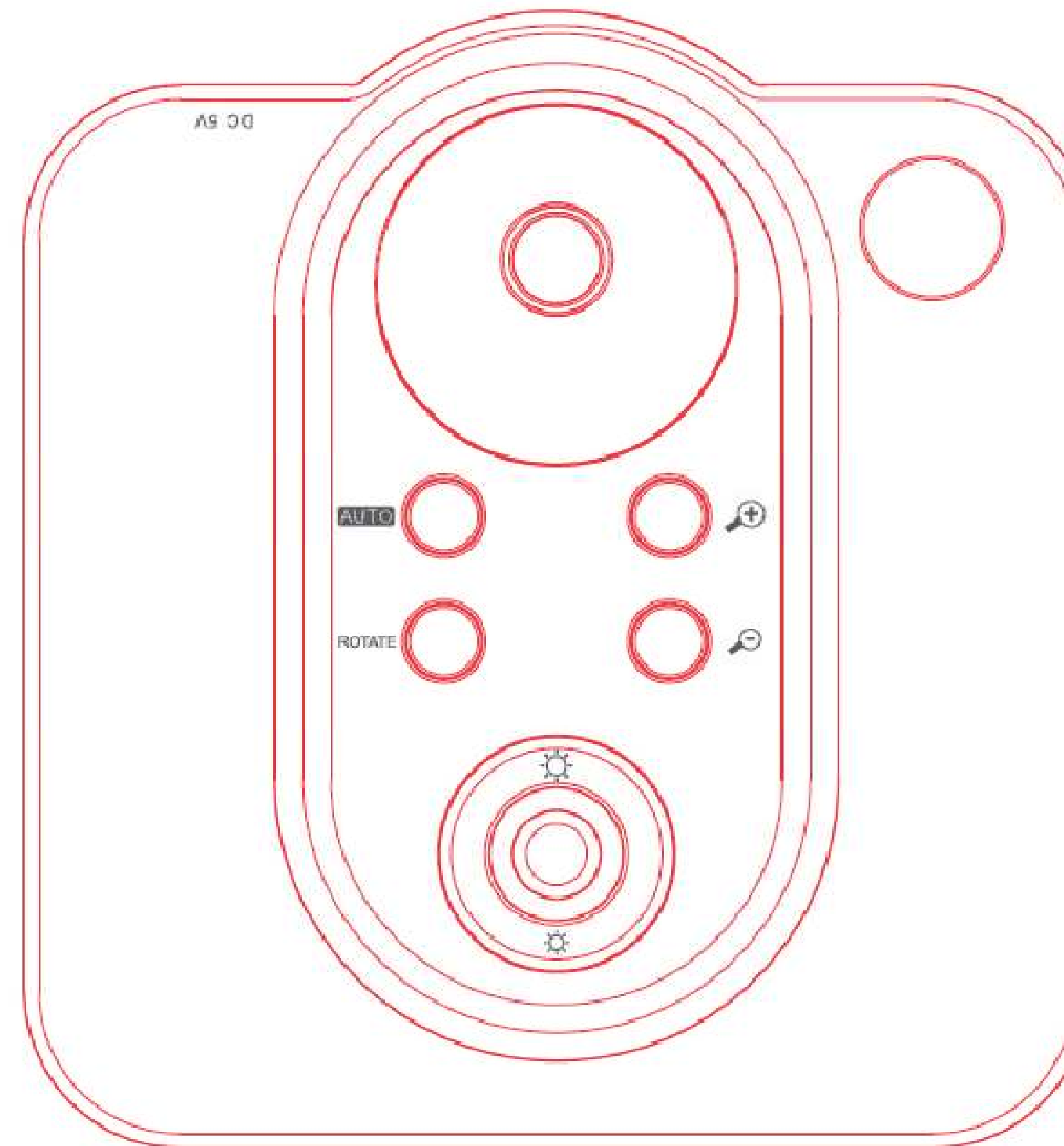
3.LAN: Network connection

4.USB-B: USB slave, used to connect with PC

5.USB: USB host, used to connect with USB mouse or USB memory stick.

Note:Visualizer is based on HDMI 1.3,display device based on HDMI 1.3 and above is recommended. There may cause compatibility problems when working with display device below HDMI 1.3.

Control Panel



1. **AUTO:** Adjust white balance and focus automatically.
2. **ROTATE:** Click to rotate the image(90° ,180° ,270°)
3. **BRIGHT+/-:** Image brightness control.
4. **ZOOM+/-:** Image zoom in and zoom out.
5. **POWER:** Power on/off.

REMOTE CONTROL



1.POWER: Press to stand by, keep press for 3 seconds to turn on/off the standby mode.

2.PC: invalid.

3.CAM: Switch back to the camera signal.

4.Settings: System setup

5.ARROWS: Move the cursor

6.OK: Ok

7.CURSOR: Active the mouse cursor mode

8.BACK: Return

9.Record: Click to start recording, click again to stop recording and save the video clip.

10.Auto: Adjust white balance and focus automatically.

11.Save: Capture and save the image to Memory stick, or built-in memory. GV820 can detect when there is an external storage media and automatically switch to the last detected storage. If there is no external storage connected, all captured image will be saved in the built-in memory.

12.RECALL: Image recall mode enabled, display the saved images.

13.Del: Delete the saved images

14.B/W: Switch the image mode between black&white and color.

15.T/P: Switch the image mode between text and picture.

16.Mir: Flip the camera image.

17.Neg: Switch the image mode between positive and negative.

18.Split: Split screen.

19.Zoom+/-: Image zoom in and zoom out.

20.Frz: Image freeze.

21.Bright+/-: Image brightness control.

22.Rotate: Rotate image (90°,180°,270°).











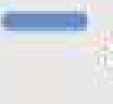




23.Focus+/-: invalid.

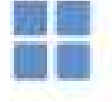











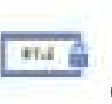






24.TITLE: Active the title mode

25.PIP: Picture in picture.

ANNOTATION

The annotation function will be activated by connecting a USB mouse to the document camera. We will see the following icons by clicking the left button on a mouse:

1.  : Clicking this icon, the whiteboard function is activated. The image captured is now subjected to annotation. To switch back to the real-time camera mode, click icon .
2.  : Clicking this icon, the current image will be saved and annotation function activated. In annotation mode, click the following icons to choose the color of annotating pen.
 Yellow,  Red,  Blue.
3.  : In annotation mode, click this icon to delete annotation, there are two types of deletion:
 : area clear  : all clear.
4.  : In annotation mode, click this icon to choose the thickness of the pen, there are 3 options:
 Thin,  Medium,  Thick.
5.  : Click to capture and save the image.
6.  : Click to start recording, click again to stop recording and save the video clip

7.  : Click to recall the saved images or video clips, meanwhile the annotation function is activated, click again back to camera image. Press and hold left key on mouse for at least three seconds to delete this image.
8.  : Click to rotate the image(90° ,180° ,270°)
9.  : Click to go to control menu.
-   : Image zoom in and zoom out control
-   : Image brightness control
-  : Perform white balance and focus automatically
-  : Output the mirror image
-  : Switch the image mode between positive and negative.
-  : Image freeze
-  : Image split.
-  : Title freeze.
In Title freeze mode, there are 4 buttons used to adjust the title function:
 : Enlarge the frozen title area
 : Reduce the frozen title area
  : Adjust the frozen title position.
-  : Picture in picture
-  : Click to go to start page of the embedded multimedia system

1. Device



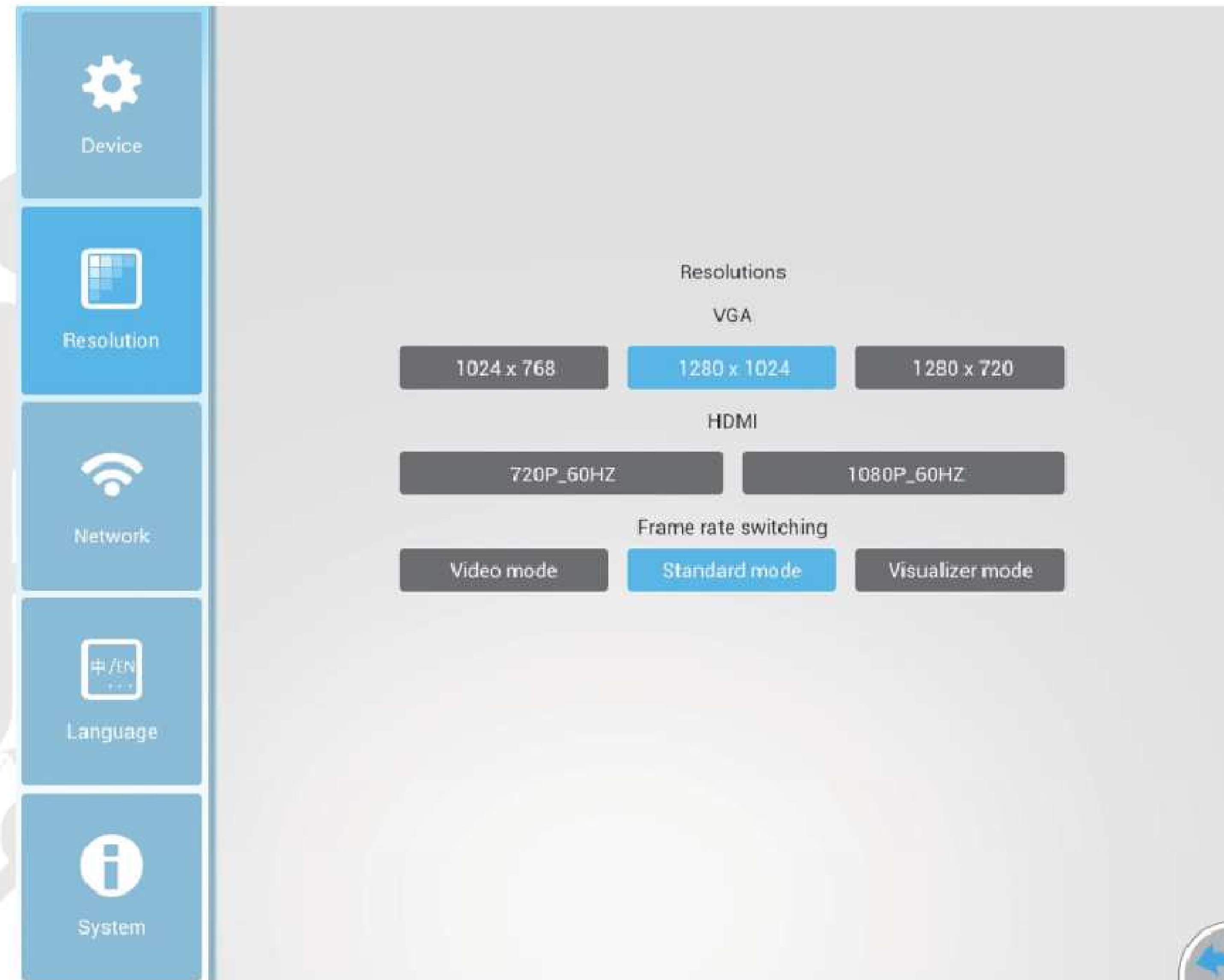
Name: Define the SSID of the document camera.

USB Mode: Enable the images saved in document camera to be downloaded to PC.

Factory Mode: Enter to adjust the parameters of document camera. Please contact the dealer
for professional assistance.

Volume: Adjust the volume

2. Resolution



Select the suitable output resolution of the document camera.

Note: Visualizer will be restarted after switches resolution.

Frame rate switching:

Video mode: Frame rate: 30fps

Stand mode: Frame rate: 20fps

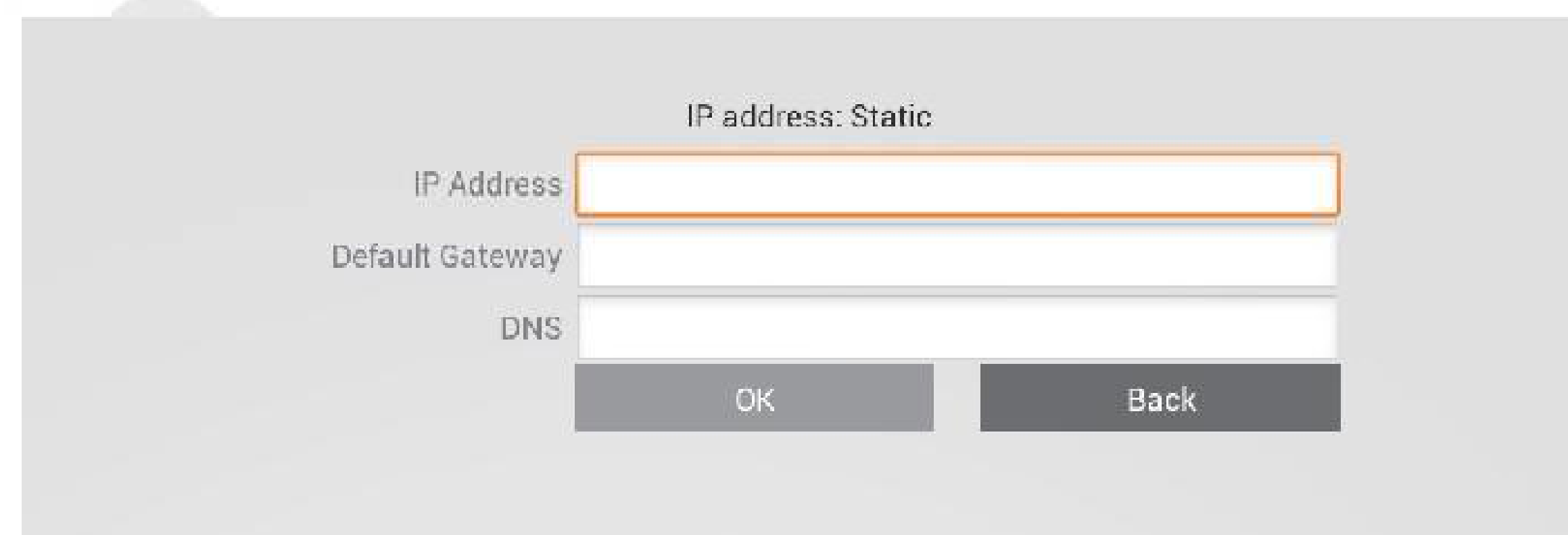
Visualizer mode: Frame rate: 12fps

3. Network

PK Pro 510DC supports both wired and WIFI Network. You may choose either one that applies.

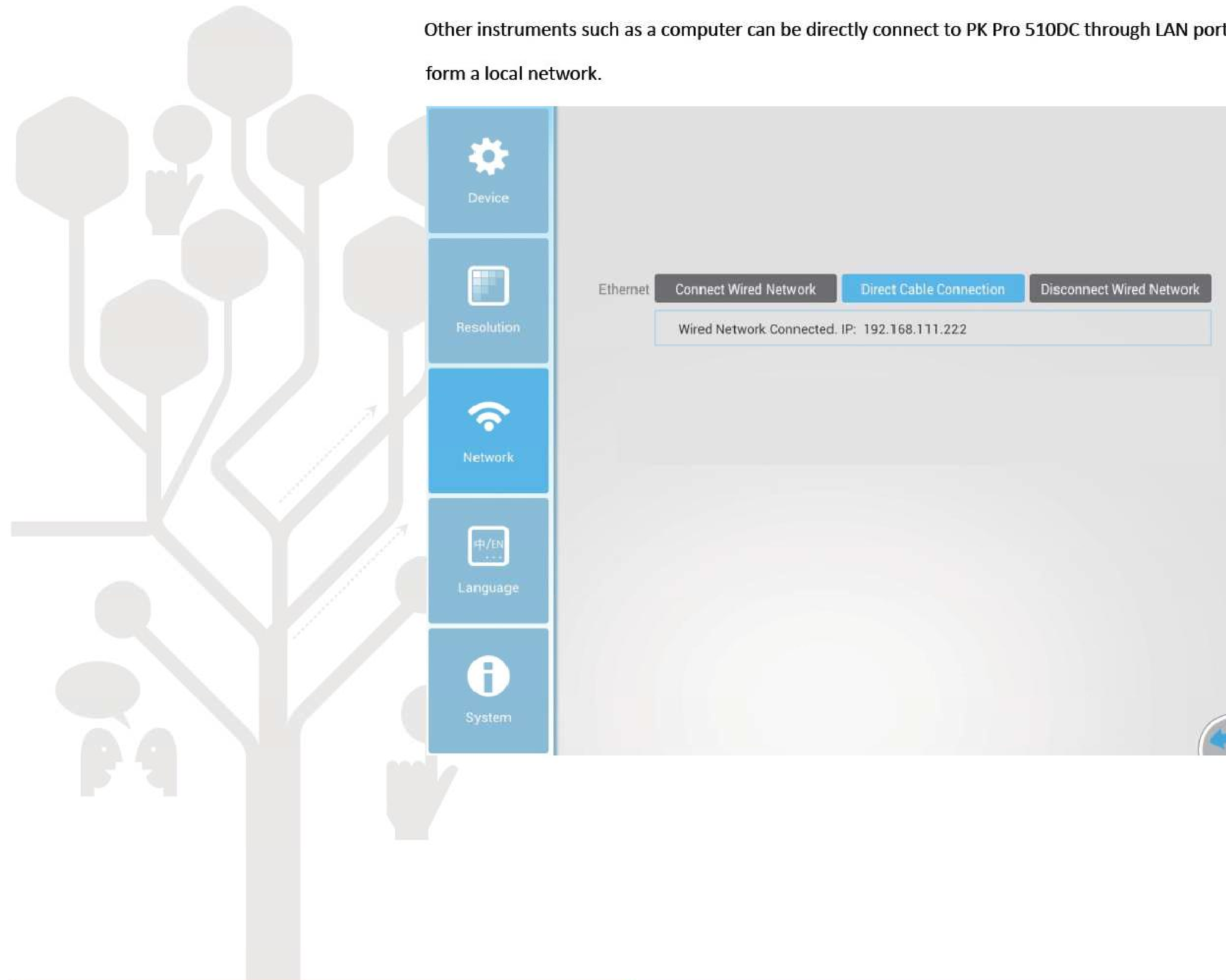


3.1 Wired Networking: Use networking cable to connect PR Pro 510DC to an existing network through LAN port on a router. The default choice for setting up a network is “IP address:DHCP”. If you need to assign an IP address to a PR Pro 510DC manually, please choose “IP address:Static”, and type in the IP Address, Default Gateway and DNS in the pop-up window showing below:

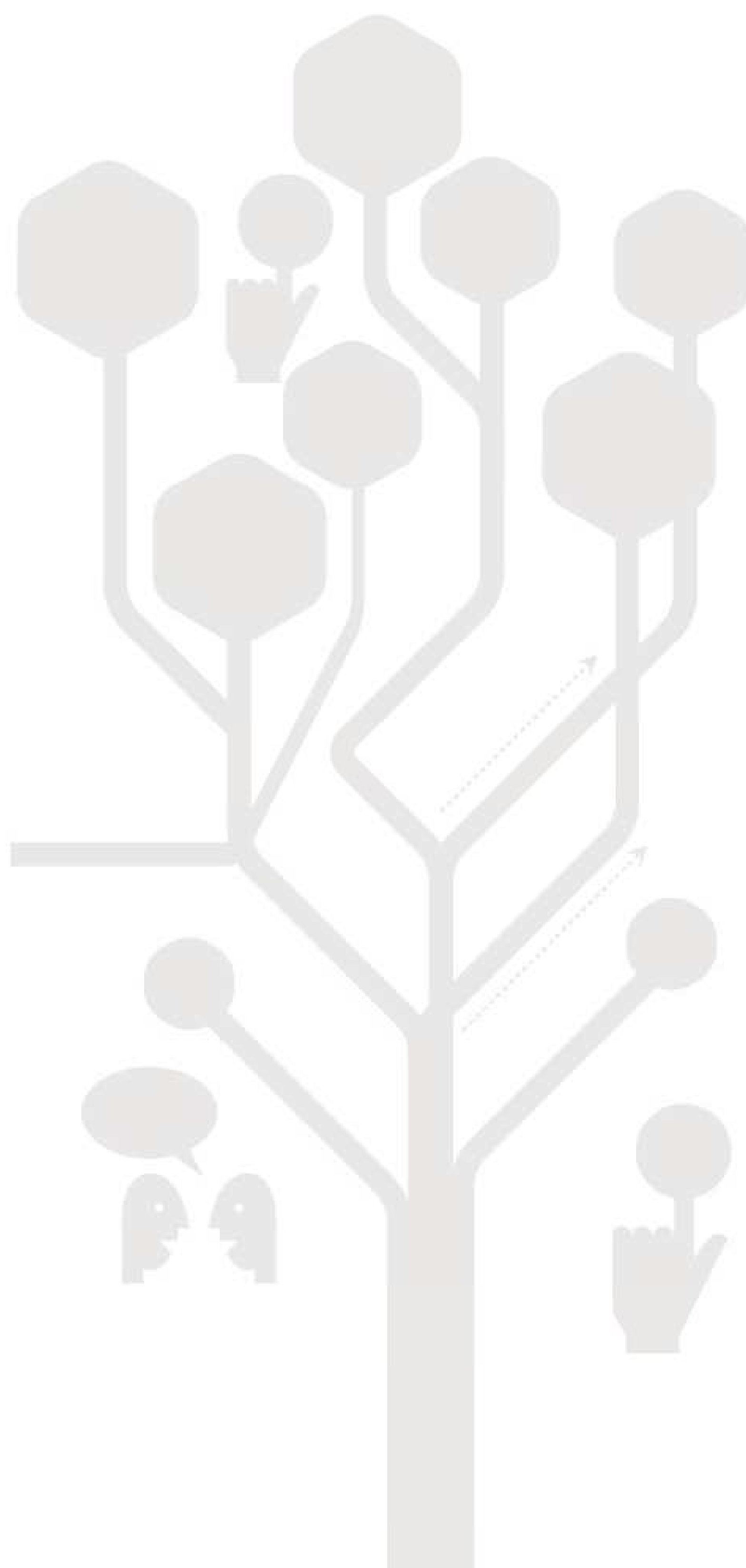
A screenshot of a pop-up window titled 'IP address: Static'. It contains three input fields labeled 'IP Address', 'Default Gateway', and 'DNS'. Below the fields are two buttons: 'OK' and 'Back'.

3.2 Connect with other instruments

Other instruments such as a computer can be directly connect to PK Pro 510DC through LAN port to form a local network.



Check the network setting of the connected PC below:



Internet Protocol Version 4 (TCP/IPv4) Properties

General Alternate Configuration

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

☒ Obtain an IP address automatically

☐ Use the following IP address:

IP address:

Subnet mask:

Default gateway:

☒ Obtain DNS server address automatically

☐ Use the following DNS server addresses:

Preferred DNS server:

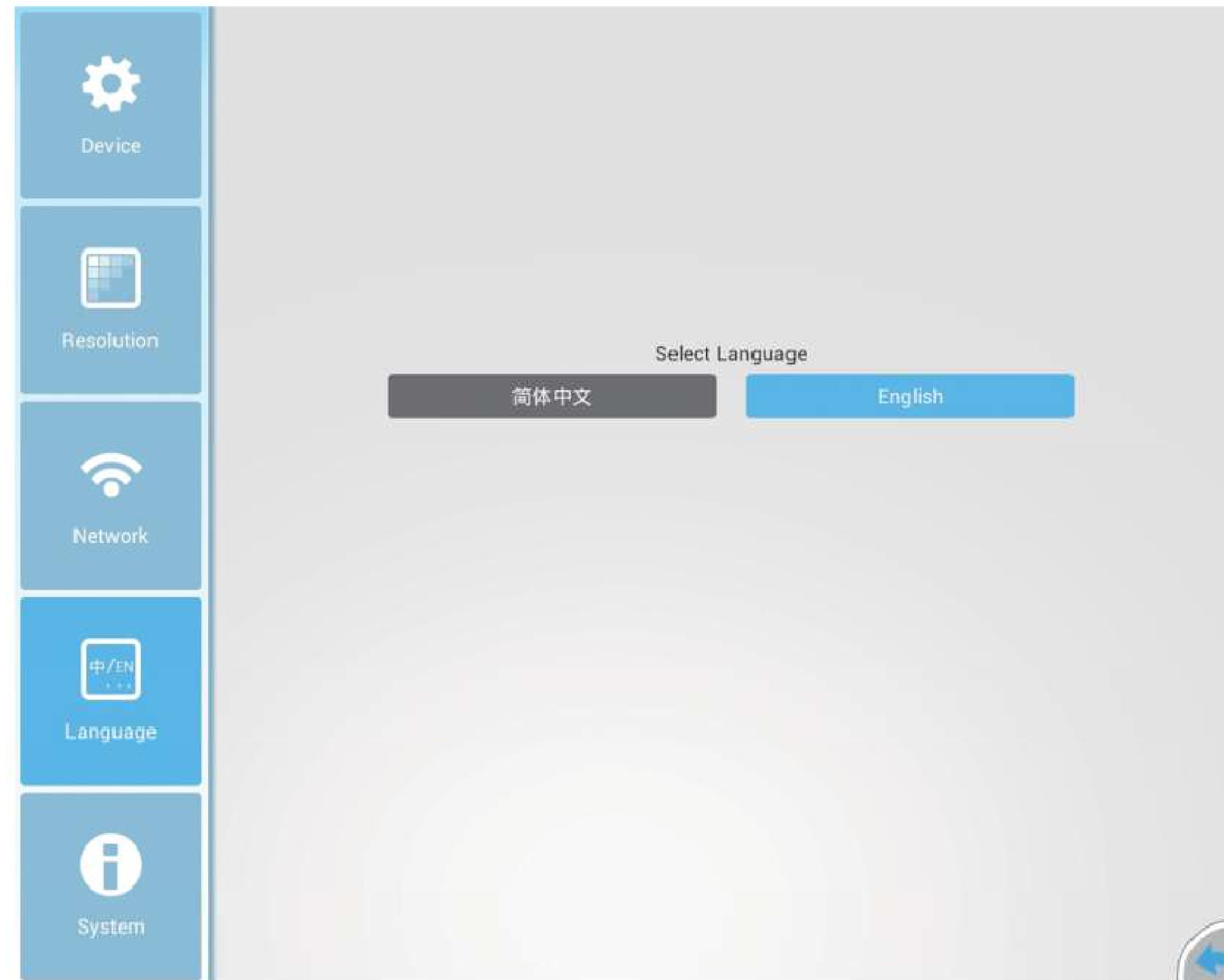
Alternate DNS server:

☐ Validate settings upon exit

Advanced...

OK Cancel

4. Language



Switch the system language between simplified Chinese and English.

5. System



Restart Device: Select this option to restart the Visualizer System

Restore Factory Settings: Use this option to reset all Visualizer System settings, including Screen Resolution, Network Settings to Factory's Default Settings.

Firmware Upgrade: Choose this option to update Visualizer with the latest Visualizer Driver and Software Application version.

(Caution! Improper or failed firmware upgrades might cause damages to Visualizer and or stop Visualizer working. Users are suggested to consult with Factory or Authorized Dealer's Customer Services for Firmware Upgrade help.)

Application Check: Online upgrading available by single click (please make sure it has connected to internet).

Software Installation

There are 3 types of software in CD for different operation systems, here we take the software of Windows system for example.

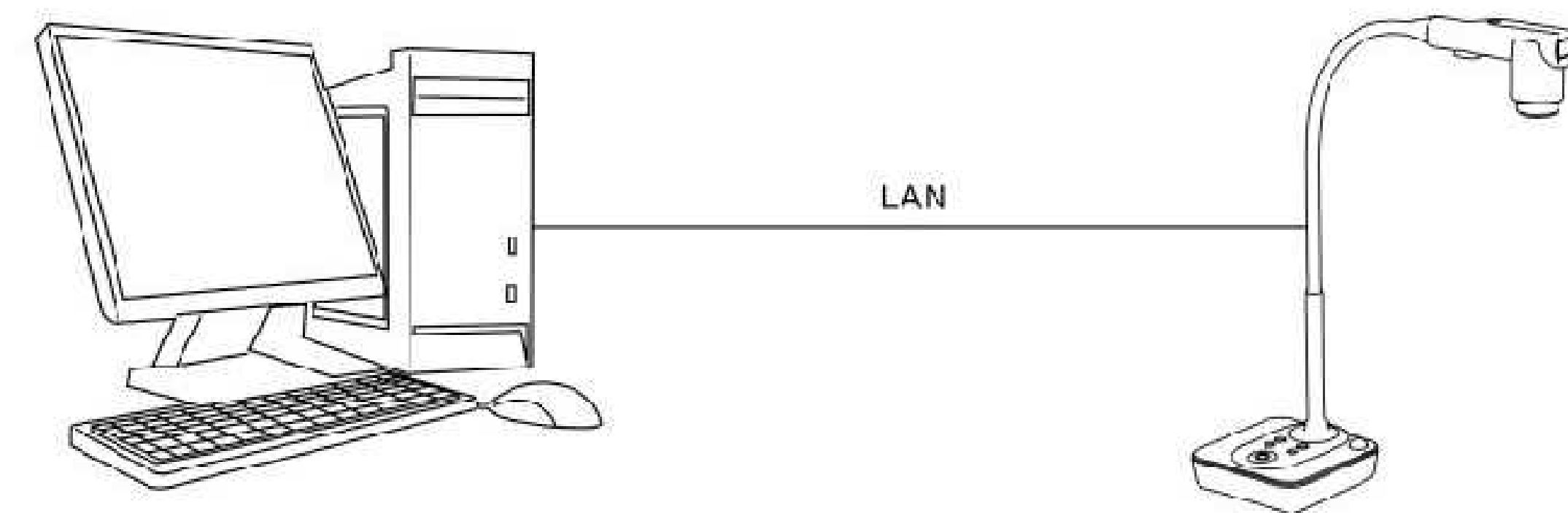
Double click  in CD to install the software to your PC, there will be

a generated icon on the desktop .

Connection

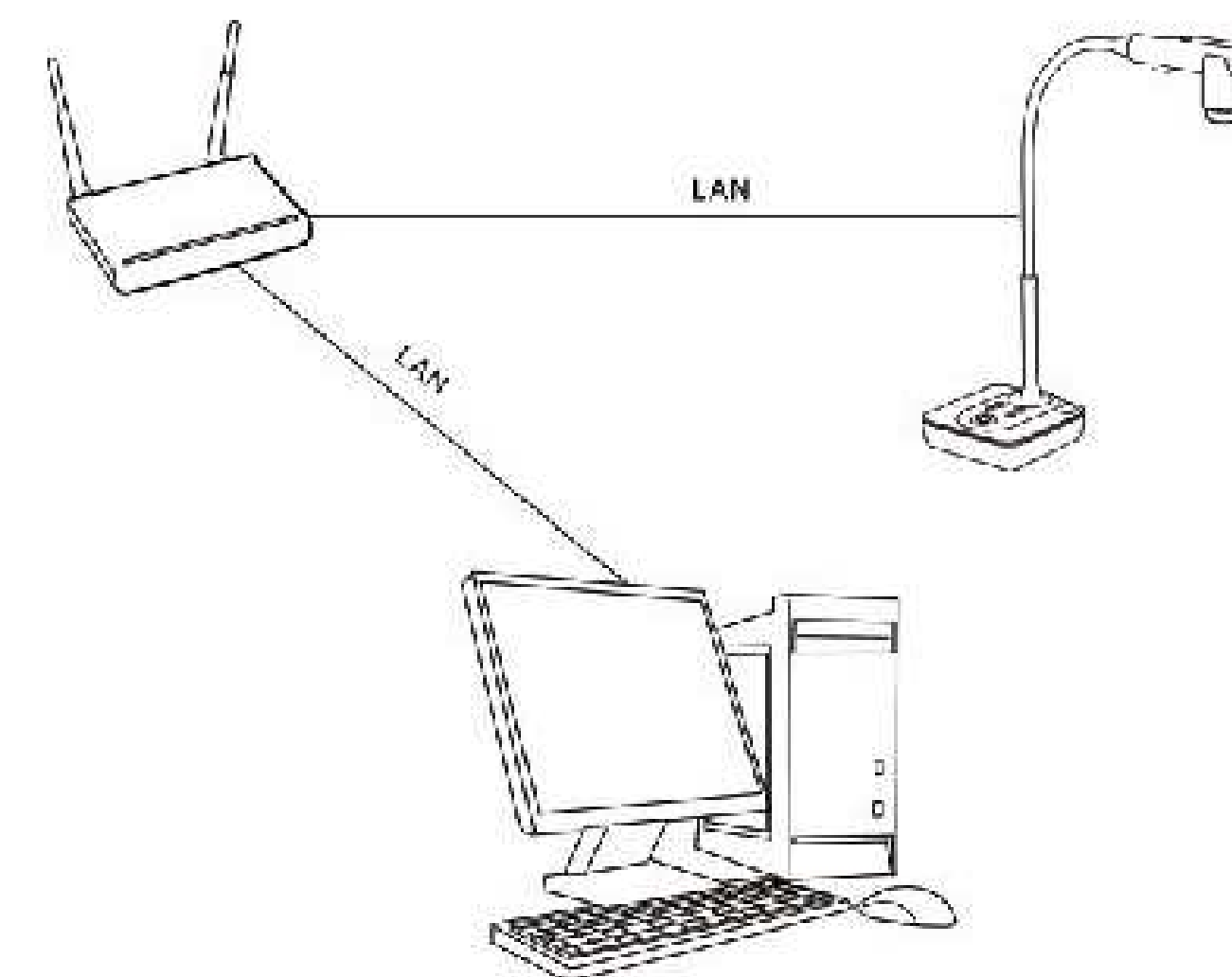
Option 1

Select “Wired network” in network setting of the document camera.
Select “IP automated acquisition” in network setting of the PC.
Connect the document camera and PC with a network cable,



Option 2

Select “Wired network” in networking setting of the document camera.
Connect the document camera to a router with LAN.
Connect the PC to the same router with LAN.



Wired network

Software Start


Note: Please go back to Visualizer mode before start the software.

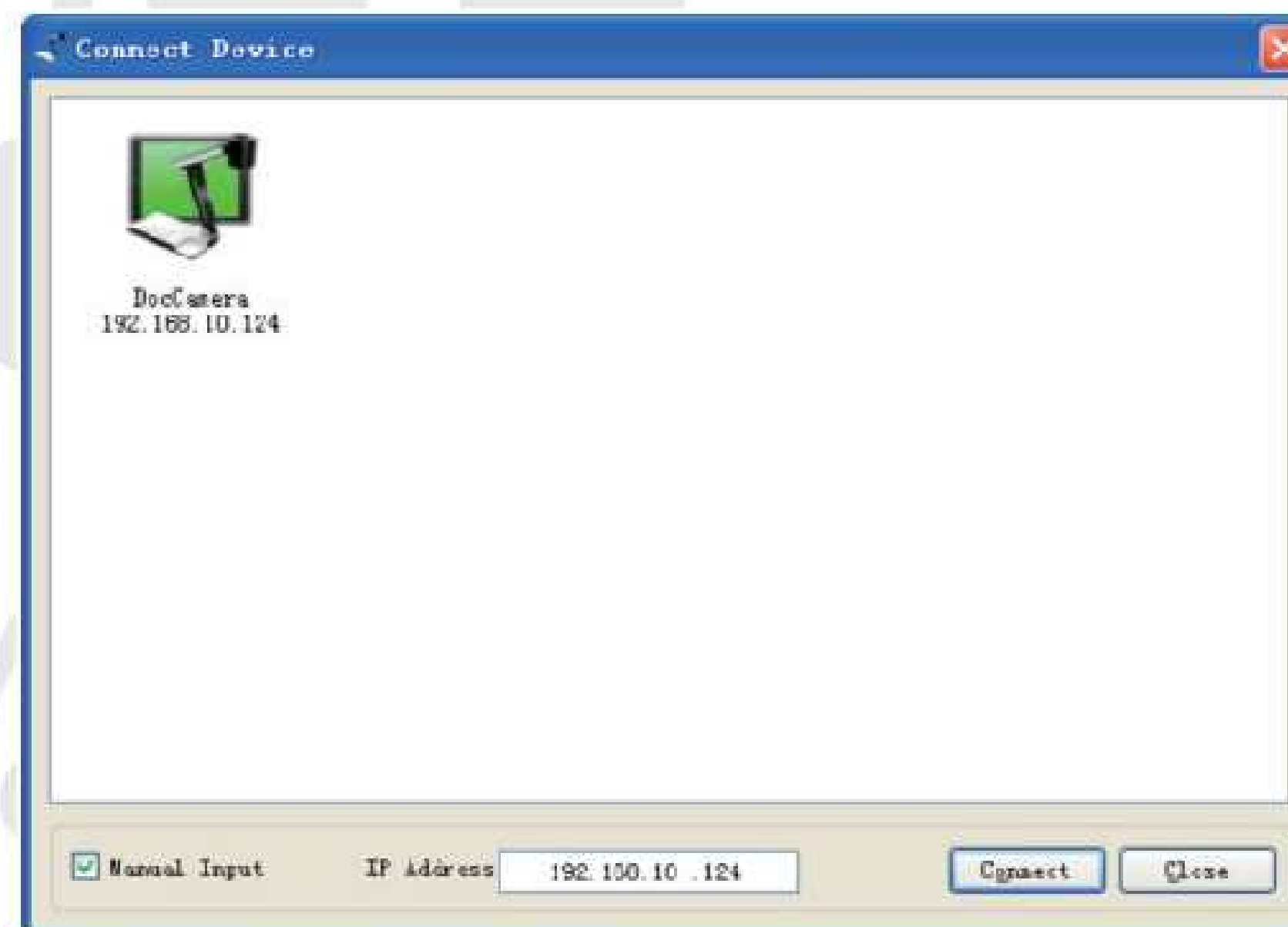
Double click the icon  on the desktop.

Left click  on the left tool bar , or choose the “select” of “visualizer” in the menu bar.






Double click the DocCamera icon  to activate it, then the image from this camera will be displayed.



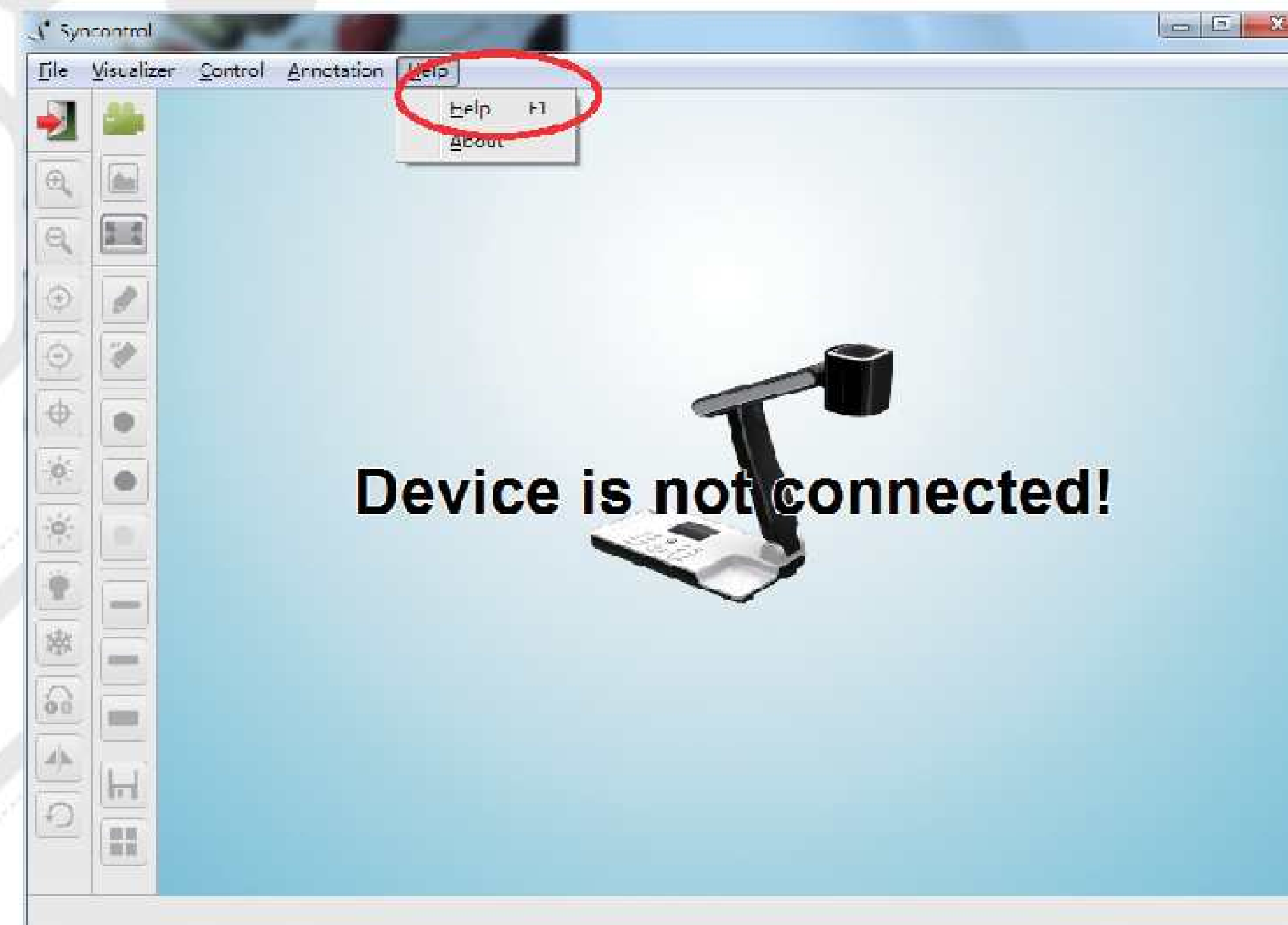
We also can choose to connect a device manually.

1) Tick the ☒ Manual Input

2) Input the IP address of the device need to be selected 

3) Click  to activate.

Please refer to the help for detailed information.



TROUBLE-SHOOTING



Symptoms	Possible causes/counter-measures
No image	<ol style="list-style-type: none">1. Power cord is not properly connected.2. Cables are not properly connected.3. Power switch is not turned on.4. The built-in fuse is broken: Change fuse.5. Change the output resolution.
Image bending	<ol style="list-style-type: none">1. Camera not in right position, adjust the camera.2. Press the AUTO
Out of focus or blurring image	<ol style="list-style-type: none">1. The object is too close to the lens.2. Focus is on the top point of zoom, press ZOOM-.3. Auto-focus is not on: press AUTO again.4. Fog on the lens in damp climate. It will disappear gradually when the equipment warms up.

If the problem still remains after checking the above, consult your dealer or authorized service personally.

PACKING LIST AND ACCESSORIES



Items	Quantity
Power cord & adaptor	1
VGA Cable	1
Remote control	1
CD(Software and user manual)	1