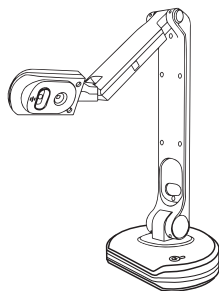




Document Camera

Quick Start Guide Camera 150 USB



Attention

Before use:

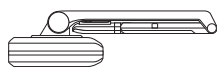
- Do not leave it under direct sunlight or by a heater. It may become discolored or damaged.
- Do not place this product in any humid, dusty, or vibrating location.
- Carry the product by holding the base in both hands. Never hold the product by the arm or the camera head.
- Use a soft, dry cloth for cleaning and not a volatile solvent.
- When the device is not in use for an extended period, please turn off the power.
- Fold down the arm when the product will not be used for a long time.

During use:

- Please prevent children from operating the device without supervision.
- Recommended environmental conditions: Temperature: 0°C - 40°C (32°F - 104°F) .
- Humidity: 30% - 85% (No condensation atmosphere) .
- Use the product on a stable base, desk, or table.
- Do not turn or flip the camera head or arm to beyond its limitation.
- Do not point the camera lens directly at the sunlight. It may be damaged or fail to operate correctly.
- Do not look directly to the LED lamps.
- The picture may not appear correctly if a USB hub is used to connect the product and PC. Be careful to prevent the unit from being dropping or bumped.
- Prevent the camera head from hitting the desk top or any other hard object

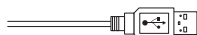
Packing Lists

1.Document Camera



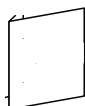
2.USB2.0 Cable

Mini USB to USB



3.The software is available as a Download from the Dukane product website.
www.dukaneav.com, go to the camera model.

4. Quick Start Guide

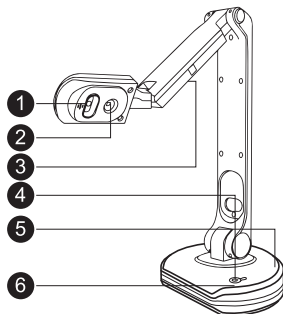


Product Highlights

- 8.0 Mega Pixels(3264×2448).
- 5× Digital Zoom Function.
- Macro Shooting: ≤5cm.
- Image capture and processing, audio&video recording.
- Auto focus and easy annotation
- Flexible camera head with 180°rotation.
- LEDs with 3 levels

The software "Visualizer", is available as a download from the Dukane website.
www.dukaneav.com Go to the camera page and click Downloads, then click on "View All Downloads" to get a list with the software and the user manuals.

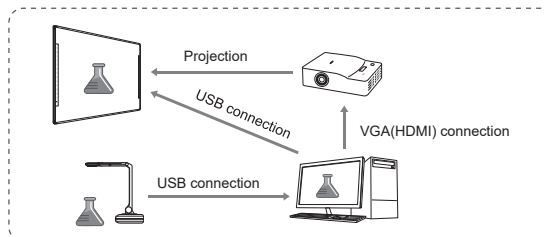
Product View



- 1-Camera Lens
- 2-LED Light
- 3-LED Lights
- 4-Light Button, level control
- 5-USB Interface, mini USB port
- 6-Base

Configurations

1.Document camera + PC + Projector + IWB interactive white board



2.Document camera + PC



Shooting

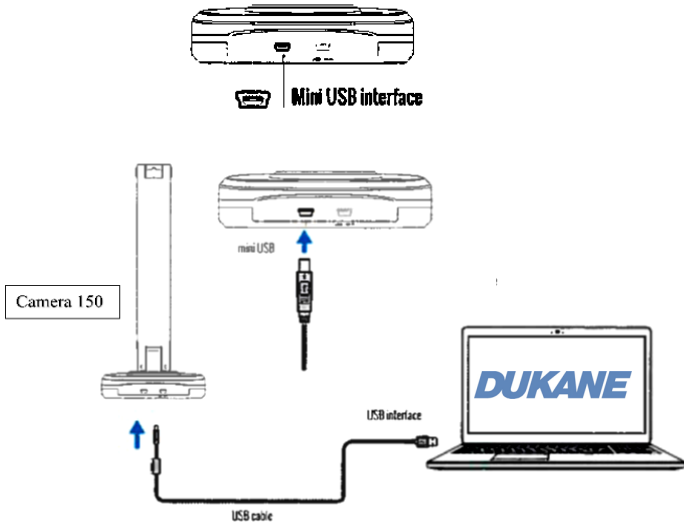
Problems	Possible causes	Solutions
The device does not turn on. No LED light.	The USB cable is not connected correctly.	Reconnect the USB cable
No image display after correct connection,	Camera is not selected.	Select the correct device
The image is blurry	The object is too close to the camera head or focus is out	Use Auto Focus or Focus to adjust the focus

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E-mail: avsales@dukane.com
www.dukaneav.com

Specification

Pickup Device	CMOS 1/4" 8MP
Resolution	3264*2448(8MP) 2592*1994(5MP) 1920*1080(1080P) 1280*960(SXVGA) 1280*720(720P)
Digital Zoom	×5
Auto Focus	YES
Auto Exposure	YES
Auto White Balance	YES
Frame Rate	15fps@1920*1080
Scanning Area	16 x 11.8"
Rotation	Camera 180°, Arm 360°
Macro Shooting Distance	≤5cm, 2 inch
Image Processing	Contrast ratio, Brightness control, Sharpness, Saturation, Rotation
Light Source	11 LEDs with softbox
SNR	≥40db
Power Supply	USB2.0
Audio	Built-in MIC
Interface Port	mini USB2.0
Operation System	Windows XP/Vista/7/8/10 for software

1. Connect the USB cable



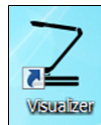
2. Install the Software

Install the Visualizer program from the Dukane web site. For the website; See the Downloads on the website product page, or the Downloads on the SUPPORT section. On the website for the camera, go to the model on; [http://dukaneav.com/ document cameras and visualizers](http://dukaneav.com/document cameras and visualizers) Then click on the "Downloads", then on "View All Downloads". Select the software and download.

On the dukaneav.com website SUPPORT page go to SUPPORT / Product Downloads / Document Camera / Show Products / and the model.

Note that the software file may exceed 300MB in size.

The software icon should be present on the desktop if the normal install procedure is followed.



3. Operation of camera

Double click the Visualizer icon to open the software. The control menu disc should appear.

This menu lets you choose 5 modes of operation.

1. Presenter; operates the camera
2. Desktop; shows your computer desktop
3. Video; lets you record videos
4. Contrast; use to compare images
5. Scan; For file management and image processing

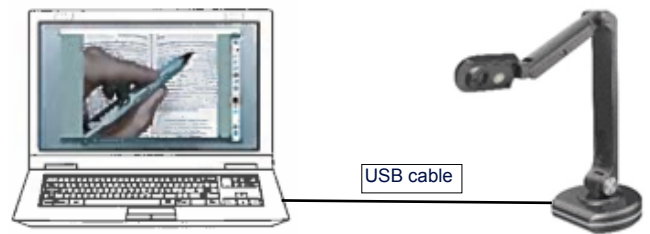
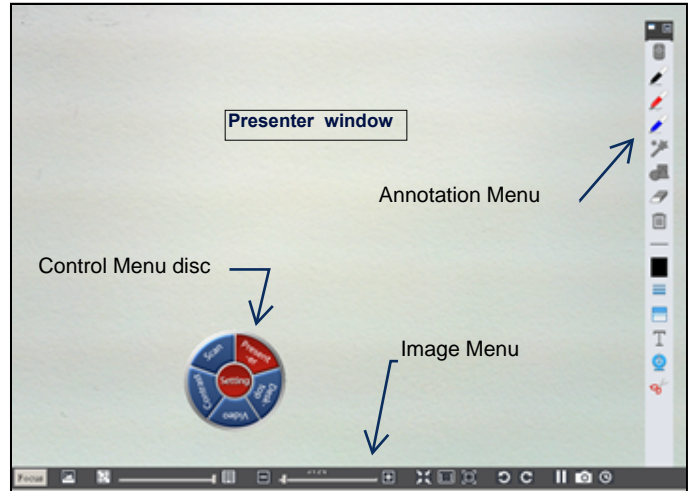


Center is "Setting"; when clicked provides options;
 Saving File path; where the images are saved
 About; Software information
 Exit Close the software program

Detailed operation of the software operation is described in the Software User manual. Located in the "Downloads" list on the Dukane website.

Presenter Mode Operation (Camera operation)

For startup, use the Presenter mode to view the camera image. The Presenter window has menus on the right side for annotation and a tray menu to control the image properties.



Quick Guide

Install Visualizer software on PC
 Connect camera to the PC with USB cable
 Open the Visualizer software
 Click Presenter on the Menu disc.
 Adjust the camera. Use button on base to set LED light level.
 Use camera icon to record.
 Use side menu to annotate on image.
 Default file for images is shown when clicking on the "Setting" button and selecting "File Storage Path"



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