AVer M11-8MV Mechanical Arm USB Interactive Visualizer Instruction Manual

Contents

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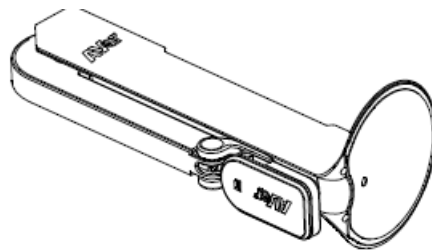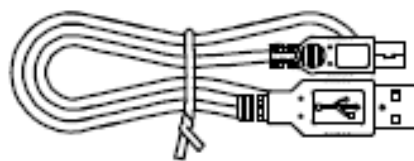**AVer M11-8MV Mechanical Arm USB Interactive Visualizer**

Package Contents

The items below are included with this product. If any item is missing, contact the dealer from whom you purchased this product.

- M11-8MV Unit

- USB Cable

- QR Code Card
- Warranty Card

- Only for Europe, Japan, and Taiwan

Optional Accessories

- Carrying Bag

- Anti-glare Sheet

Overview
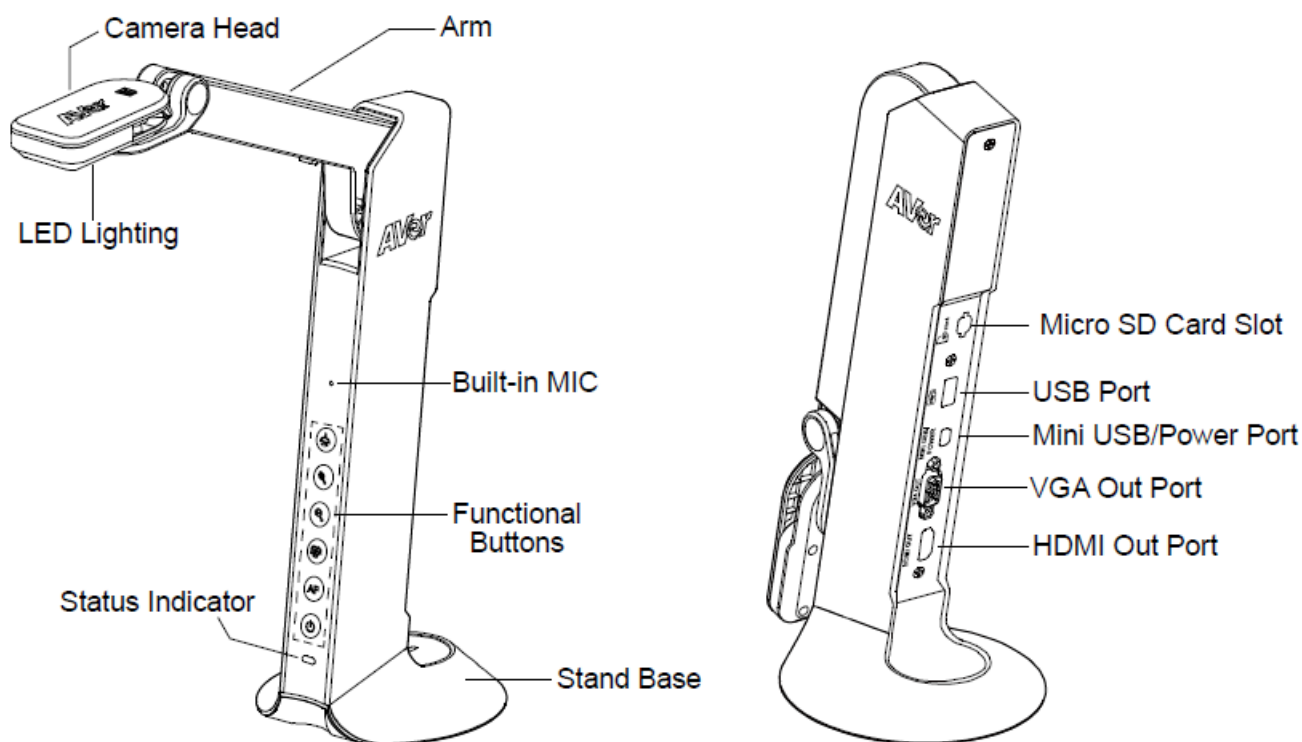
Function Buttons

Control Panel

Button	Function
☀	■ Lamp on/off ■ Press and hold 3 seconds to call out OSD menu.
⊕	Zoom in
⊖	Zoom out
⬁	■ Rotate 0/180° ■ Press and hold 3 seconds to freeze the screen. To un-freeze, press and hold 3 seconds again.
AF	■ Auto focus ■ Press and hold 3 seconds to start recording. To stop recording, press and hold AF 3 seconds again.
⏻	Power on/off

OSD Mode

Button	Function
(light icon)	■ Back to last menu level page ■ Exit from OSD menu
(zoom + icon)	Up (selection item)
(zoom − icon)	Down (selection item)
(AF icon)	Selection enter

Compound Key

Press keys to operate the compound key function.

Button	Function
(light icon) + (settings icon)	Back to factory default settings
(light icon) + (zoom + icon)	Capture image

[Note] For Recording and Capture, please change to "Power Supply Only" mode.

IMAGE	Capture Resolution	USB Camera
PRESENTATION	Capture Quality	Mass Storage
SETTING	Capture Type	Power Supply Only ✓
PLAYBACK	Capture Interval	
SYSTEM	Storage	
	Format	
	USB to PC	
	Timer	
	Timer Interval	
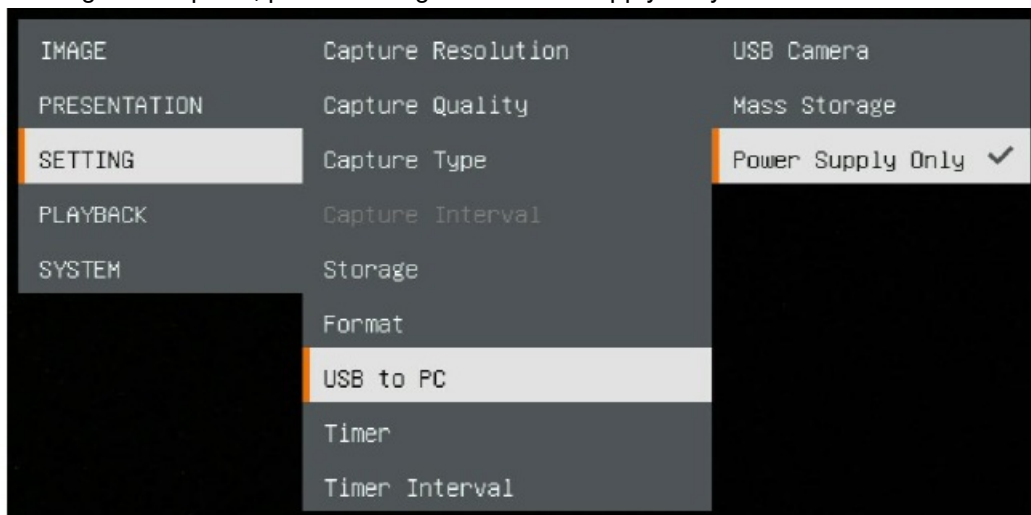
LED Indicator

- Power
  - Solid green: Power on
  - Solid red: Standby
  - Flashing red: The camera is in start-up process.

Device Connection Power

Connection to Wall Outlet

1. Plug in power and turn on M11-8MV.
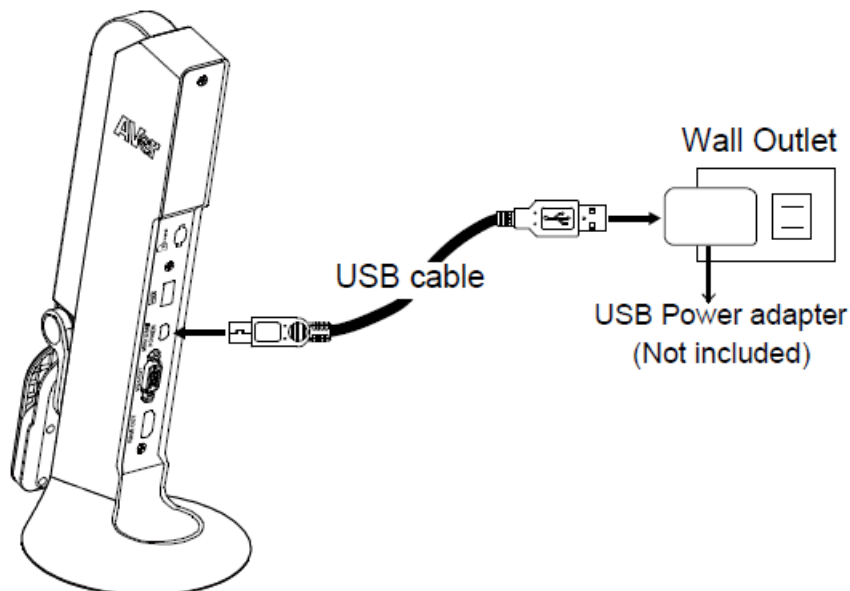
[Note]

- Use the USB cable included in the package to connect to mini USB/Power port of M11-8MV with USB power adapter (not included) to wall outlet.
- User needs to purchase a 5V/1A USB power adapter (not included) to connect the USB cable to wall outlet.
- When the camera is start-up, the power indicator is in flashing red.

Power Connection to PC/Laptop

1. Connect to USB port of PC/laptop for power supply.
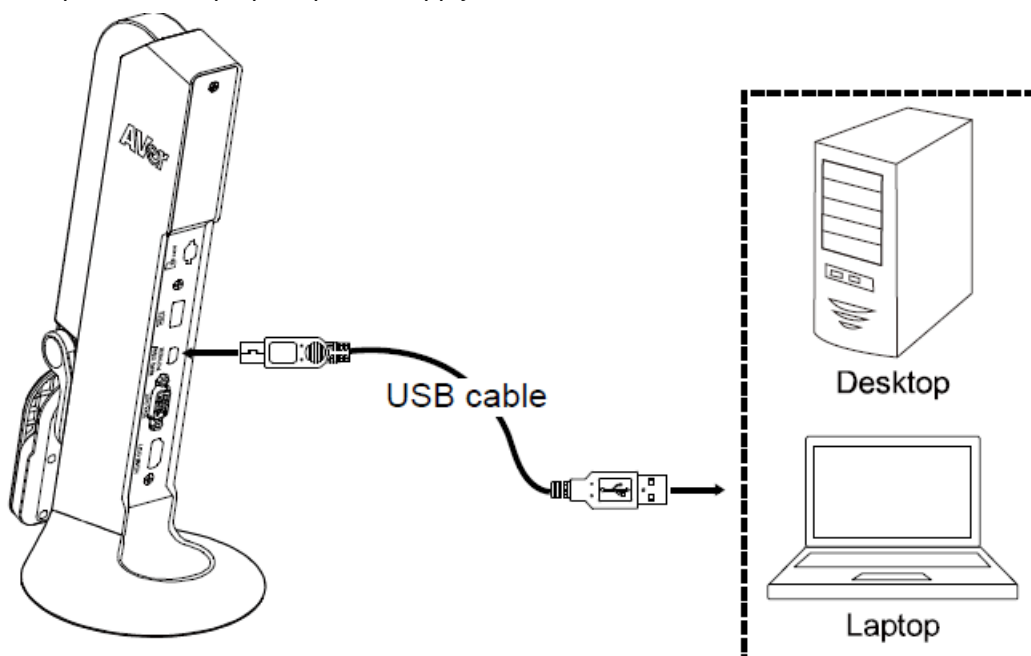
[Note]

- Use the USB cable included in the package to connect to mini USB/ Power port of M11-8MV with laptop/PC.
- When the camera is start-up, the power indicator is in flashing red.
- USB power requirement of M11-8MV is USB 5V/1A.
- For Storage, Format, Capture, Recording and Playback functions, please change to "Power Supply Only"

mode
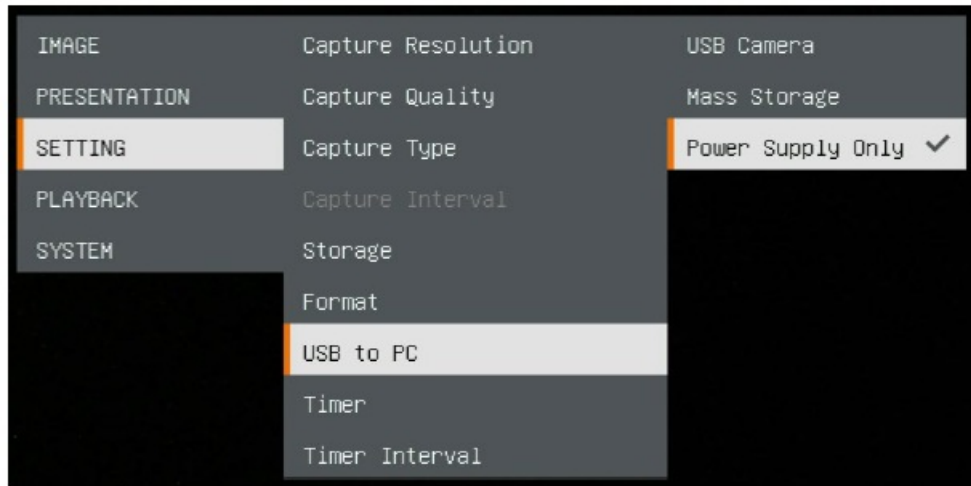
HDMI Connection

Connect M11-8MV to HDMI display with HDMI output port.
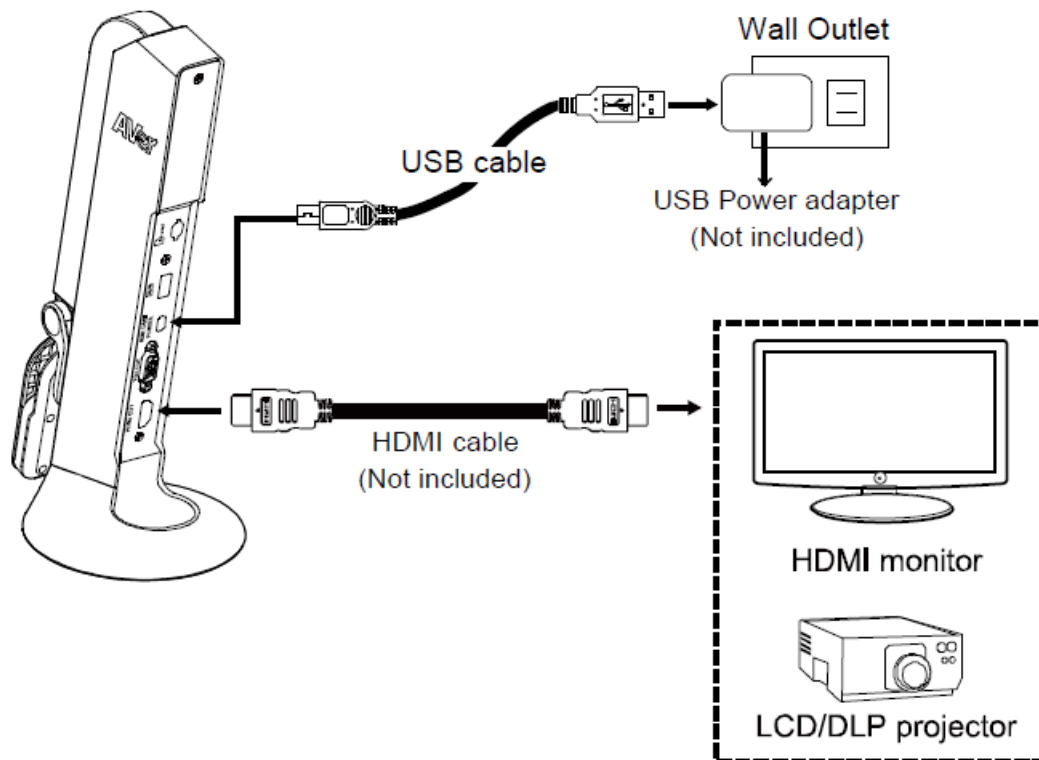
VGA Connection

Connect M11-8MV to VGA display with VGA output port.
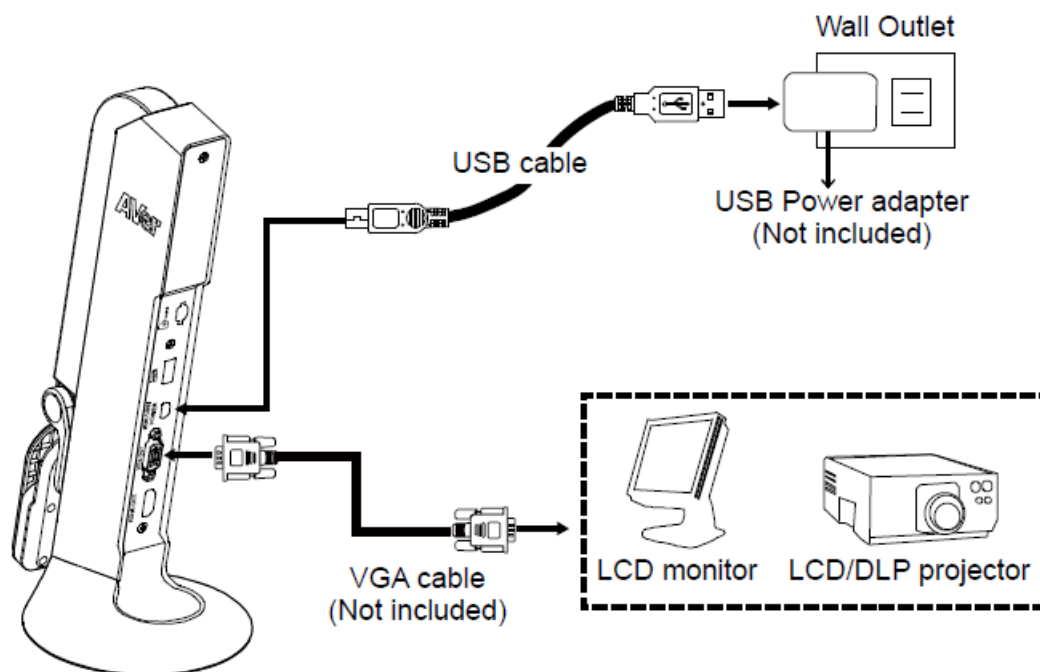
USB Connection

Connect USB flash drive to USB port to save the capture and recording file.
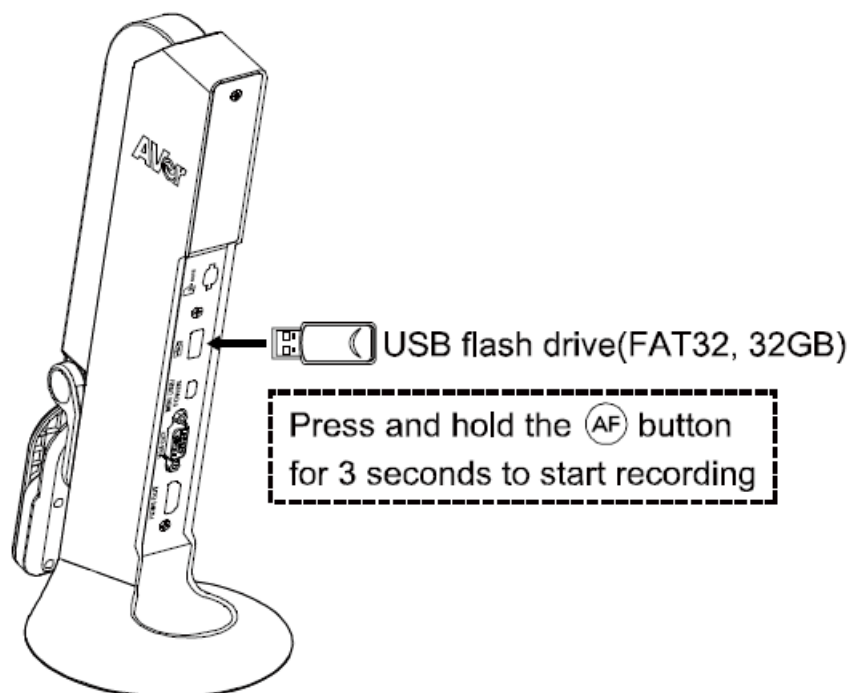
[Note] The supported USB flash drive maximum is 32G (FAT32).

Insert a Micro SD Card

Insert the card to micro SD card slot.

Micro SD card
(FAT32, 32GB)
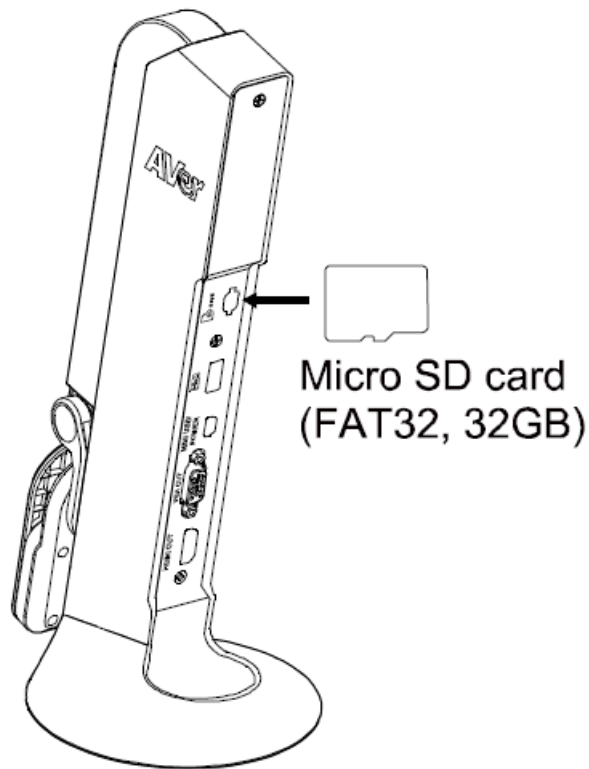
[Note]

- Micro SD card can store capture images and recording files.
- The supported micro SD card capacity maximum is 32G (FAT32).

Operate the Camera with Aver Touch

1. Connect the camera to PC/laptop and Install the Aver Touch

USB cable

AVerTouch

Desktop

AVerTouch

Laptop
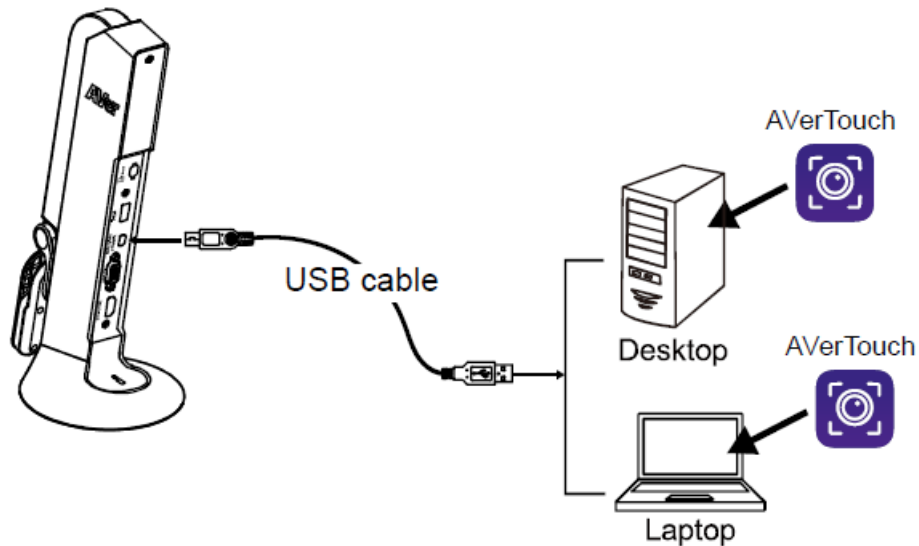
[Note]

- Download Aver Touch application at:

  https://www.aver.com/download-center/

- Please set the camera to USB mode. Go to OSD menu > SETTING > USB to PC > USB Camera.
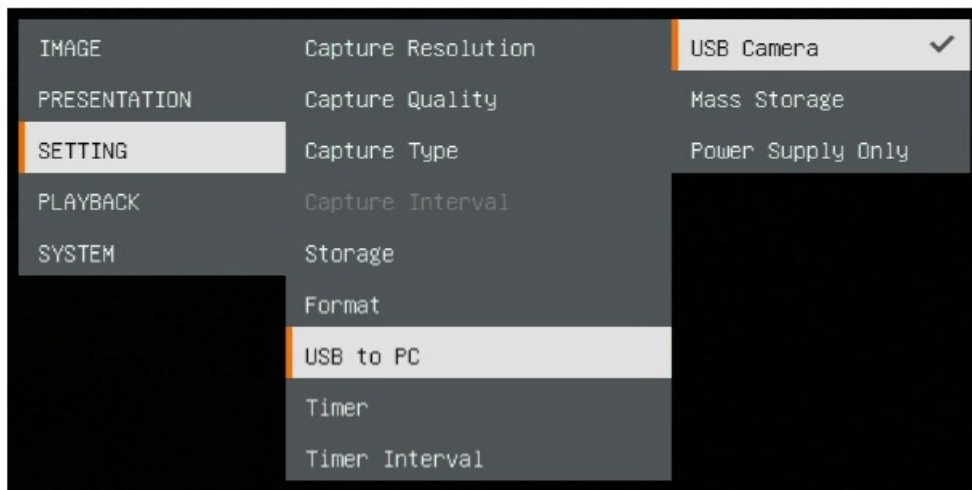
2. Open Aver Touch application, click to connect the camera.
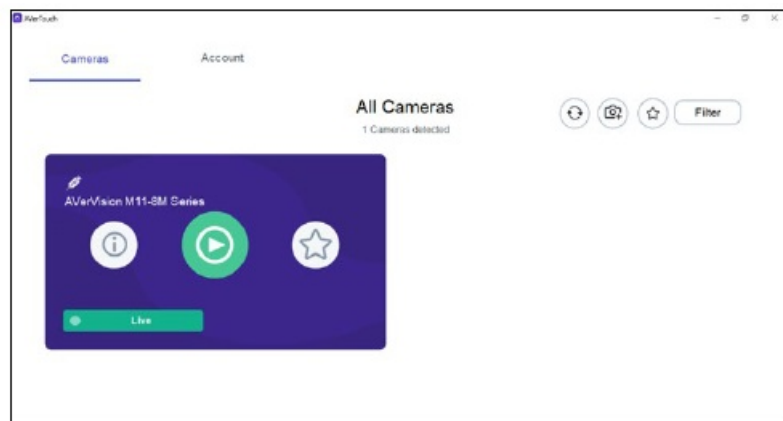
Presentation Mode (Live)

[Note] Before using annotation feature or PIP/PBP function of presentation mode, set the camera to Power Supply Only mode first. Go to OSD menu > SETTING > USB to PC > Power Supply Only.

Annotation

In single image live (preview) mode, user can use the annotation feature to overlay straight line or freeform line on the captured image with the USB mouse connected to the USB port of M11-8MV.

1. Connect the mouse to USB port of M11-8MV.

USB mouse
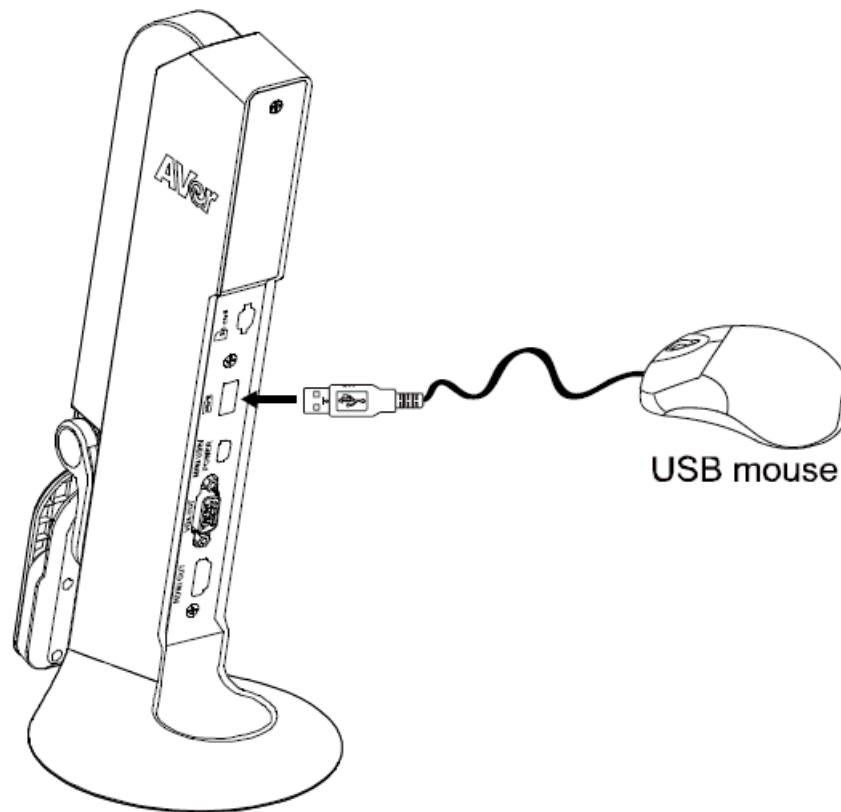
2. Go to OSD menu > PRESENTATION > Annotation.

IMAGE	PIP
PRESENTATION	PBP
SETTING	Annotation
PLAYBACK	
SYSTEM	
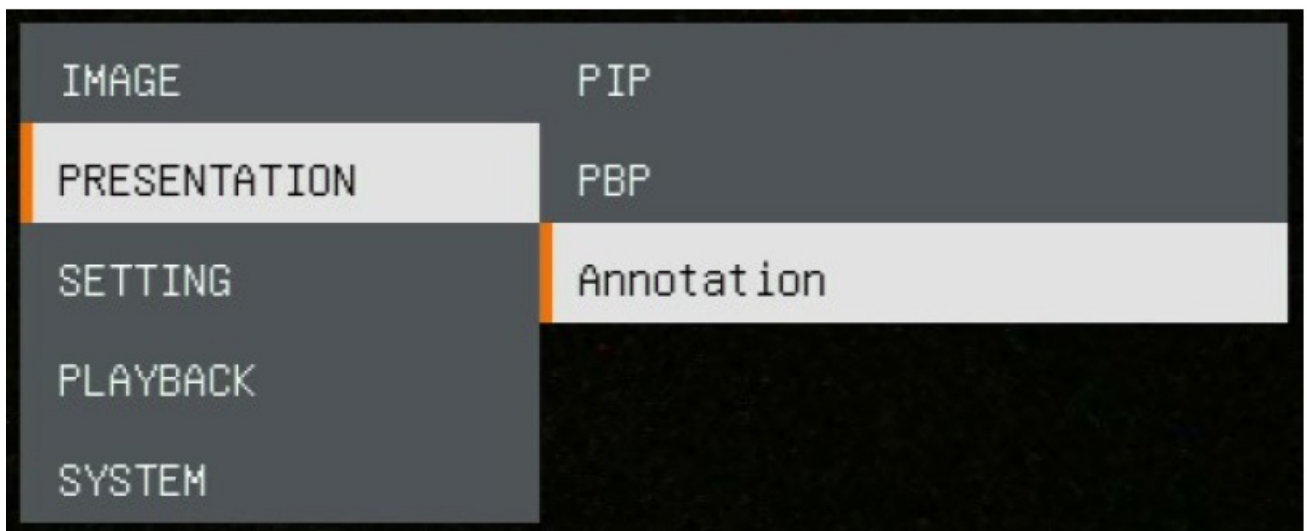
3. In live screen, right-click mouse to call out annotation bar.
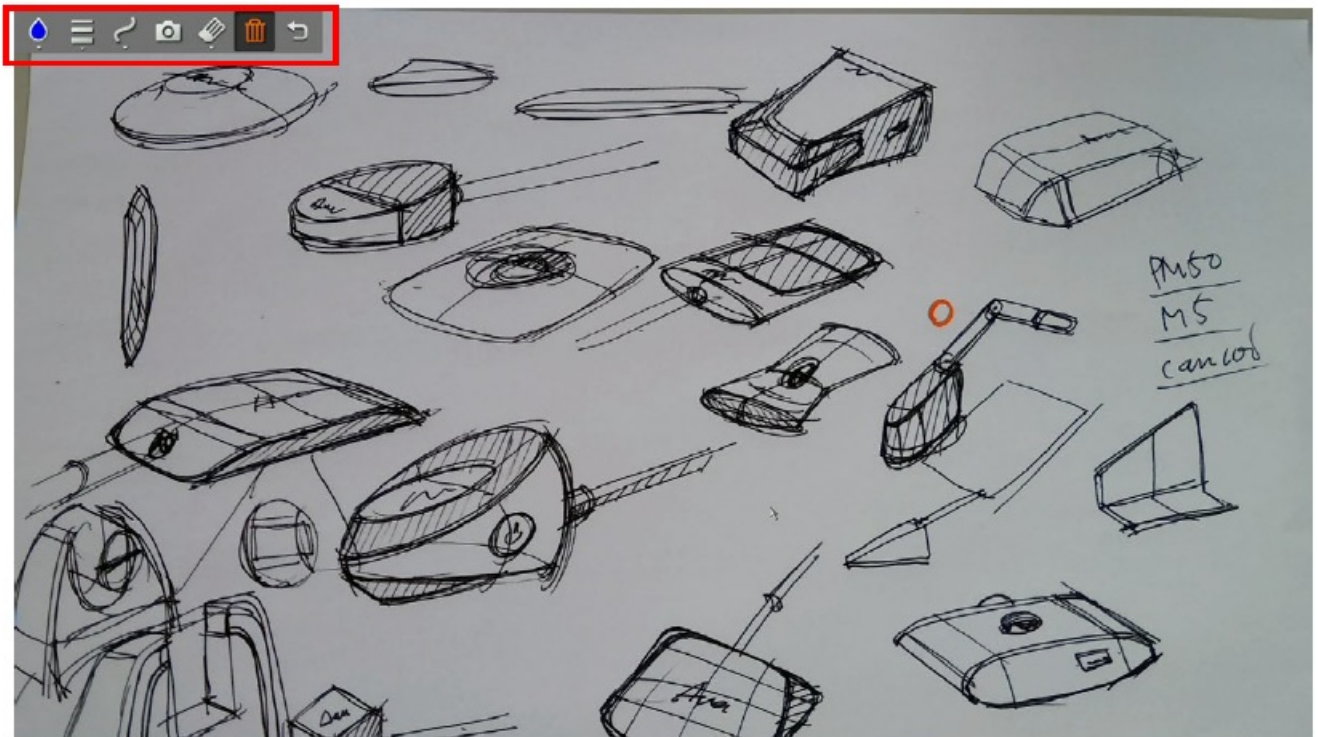
Annotation bar description

Button	Function
Color Palette	Select the line color.
Line Thickness	Select the thickness of the line.
Line	Select a straight line, freehand or sharp to draw.
Capture	Capture the image with the annotation and save it as a new file.
Eraser	Select to erase any part of the annotation that it comes in contact with or delete all annotation.
Delete	Clear all annotation on the screen.
Back	Exit annotation bar.

PIP Function

Select the thumbnail playback screen location and show the thumbnail playback
screen at the corner of the screen to recall the captured image from the SD card.

1. In camera mode, press and hold button for 3 seconds to call out OSD menu.
2. Use and buttons to move to PRESENTATION > PIP. Press to confirm the selection.
3. 3. Select the display location of thumbnail playback screen – Upper Left, Upper Right, Lower Left, or Lower
   Right. Press to confirm the selection.

4. The PIP display screen shows as following.
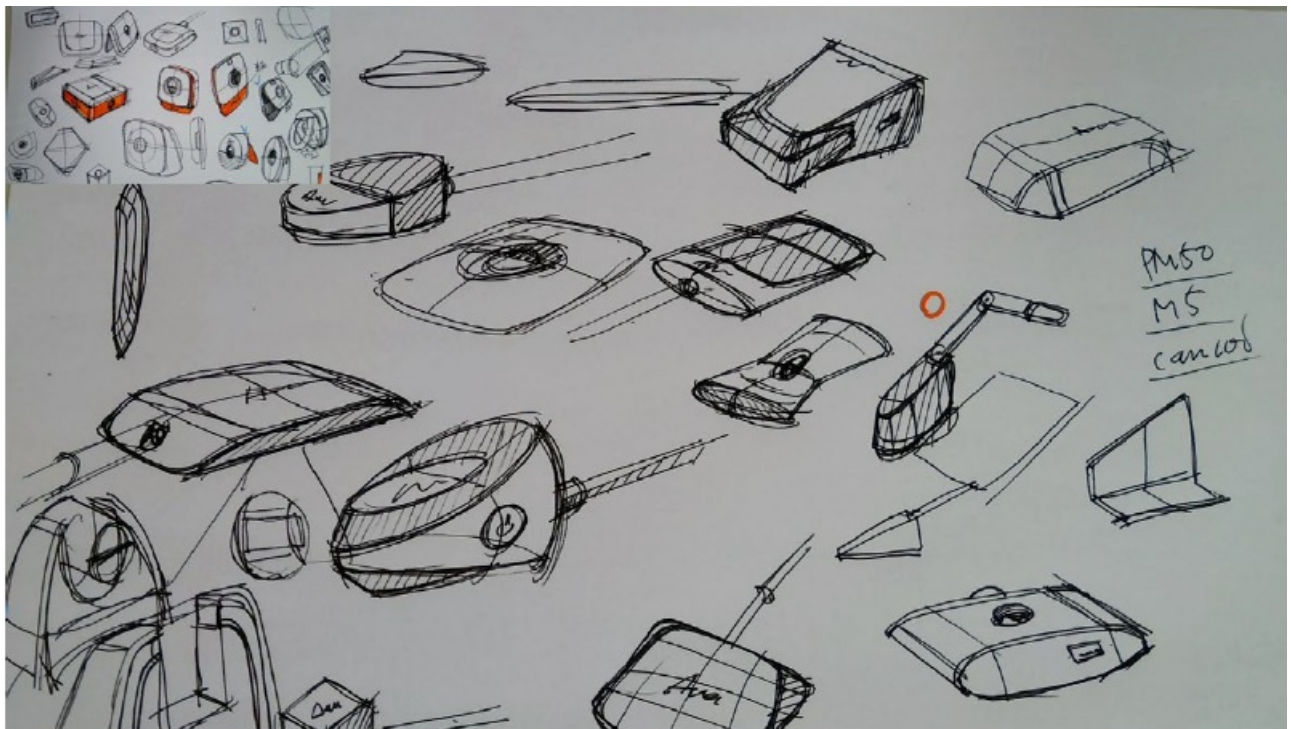
PBP Function

Select the captured image location and show the capture image on the screen to
recall the captured image from the SD card.

1. In camera mode, press and hold button for 3 seconds to call out OSD menu.
2. Use and buttons to move to PRESENTATION > PBP. Press to confirm the selection.
3. Select the display location of thumbnail playback screen – Upper Left, Upper Right, Lower Left, or Lower Right.
   Press to confirm the selection.
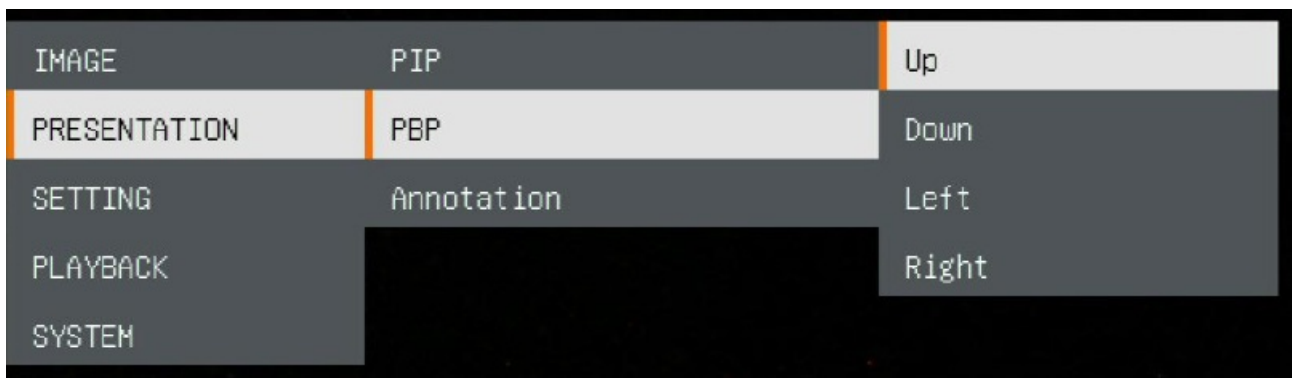
4. Use and buttons to select the captured image from the list
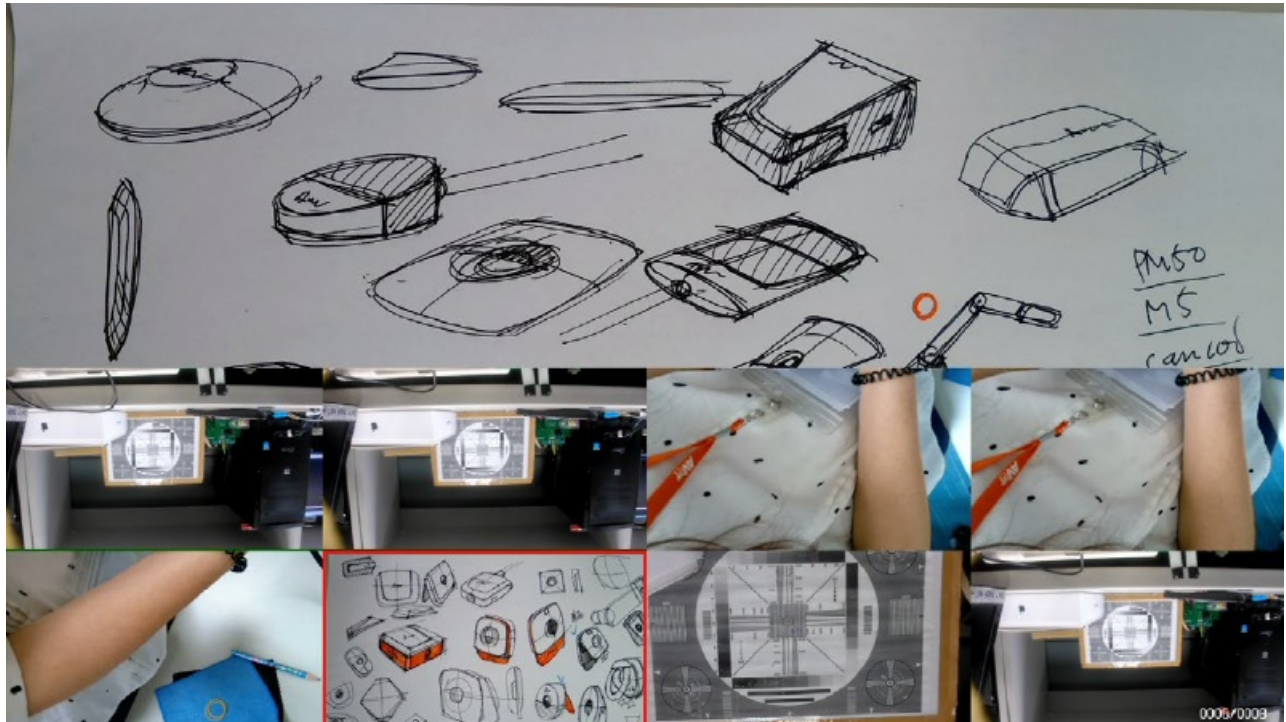
5. The PBP display screen shows as following (PBP is down location). Use buttons to move the captured image up and down to view.
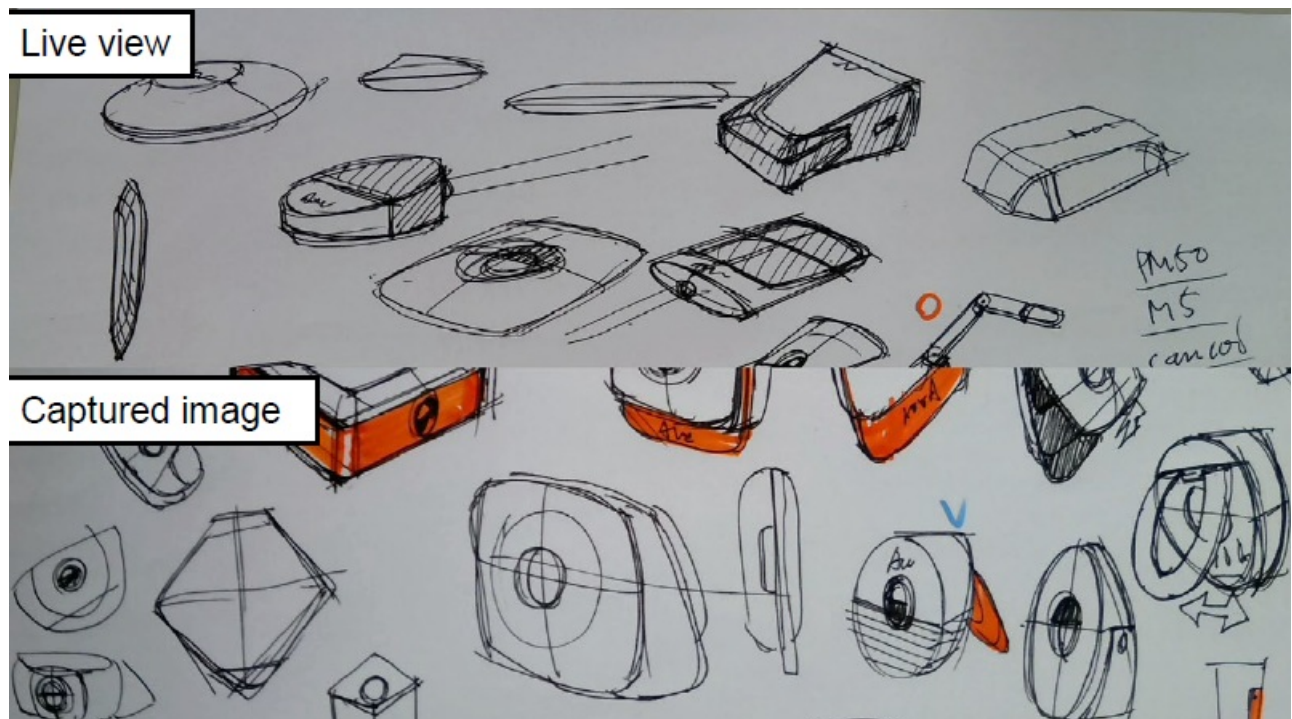
Playback Mode

View the capture images and recording files.

Switch to Playback Mode

1. In camera mode, press and hold button for 3 seconds to call out OSD menu.
2. Use and buttons to move to SETTING > USB to PC > Power Supply Only.
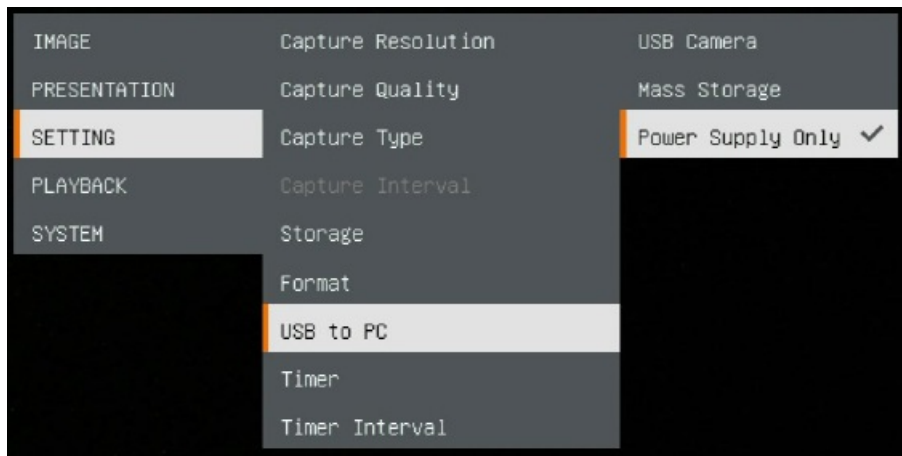
3. Use , and buttons to move to PLAYBACK selection.
4. Then, press to confirm the selection and switch to playback mode.

5. In Playback mode, use + and + buttons to select image or video to view manually. To play a video, press button to start playback. To pause playback, press button again. Press to stop playback.

OSD Menu Buttons

Button	Function
⌖	Back to last menu level page
⊕	Up (selection item)
⊖	Down (selection item)
AF	Selection enter

Playback Menu Buttons

Button	Function
⊖+ ⊕ ⊖+ ⊖	■ Image / video selection ■ ⊖ + ⊕ : Fast forward while playback video ■ ⊖ + ⊖ : Fast rewind while playback video
⊕	Zoom in image
⊖	Zoom out image
AF	■ Play video ■ Press and hold to pause while video is playback
⊡	Stop play video

Slide Show

To automatically play all capture images and recorded videos; but videos only display files and will not play video contents.

```
Slide Show

Interval

Storage

Delete File

Delete All

Back to Camera
```

- **Interval**

  Set the interval before displaying the next picture. The length can be set up to 120 sec.
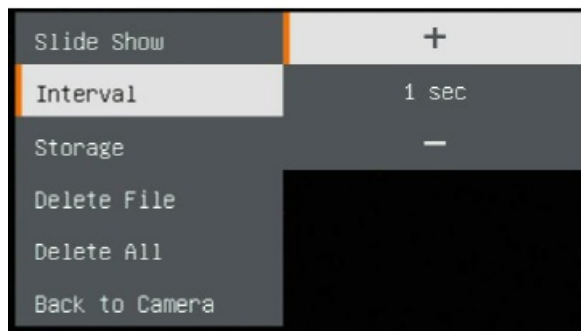
- **Storage**

Select the source of the images and videos.
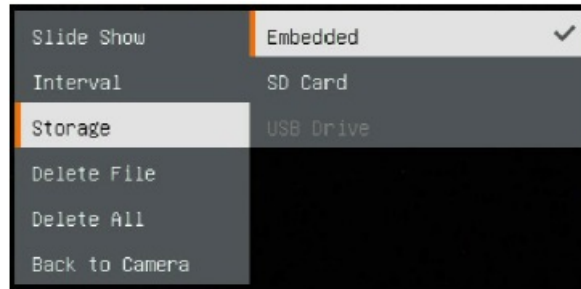
- **Delete File**

Permanently delete the image or video in selected. A Warning Message will appear. Select Yes to continue and No to cancel the deletion.
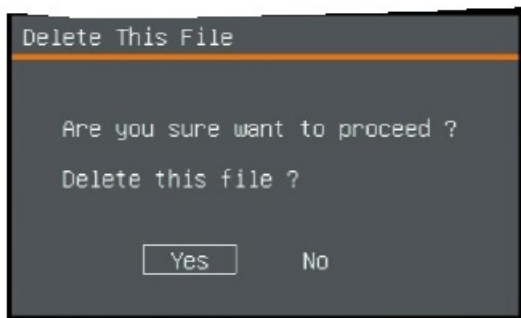
- **Delete All**

Permanently delete all the data in selected memory source. A Warning Message will appear. Select Yes to continue and No to cancel the deletion.

Annotation

In single image playback mode, user can use the annotation feature to overlay straight line or freeform line on the captured image with the USB mouse connected to the USB port of M11-8MV.
[Note] Annotation function is not supported with video file.

1. Connect the mouse to USB port of M11-8MV.

USB mouse
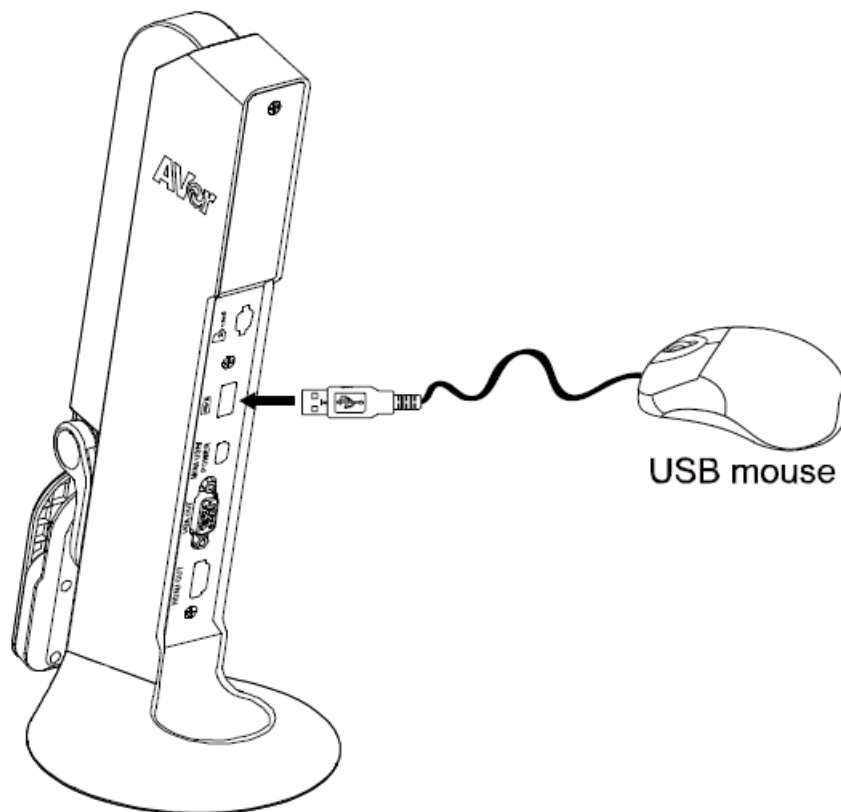
2. Press to call out OSD menu.
3. Select "Playback".
4. Select the image and playback tool bar is displayed. Or right-click mouse to call out playback tool bar.

See Also: exit

Close button In Windows-based programs, the box with × at the upper... that, when clicked, closes the window.

Close button

It is all right in procedures to use a graphic instead of the name **Close** button. If you spell out Close in reference to the button, capitalize Close and use the word *button*. Close as part of the **Close** button should always appear in bold type.

Correct

... and then click

... and then click the **Close** button.

co- In general, do not hyphenate words beginning with the prefix *co-*, such as *coauthor* and *coordinate*, unless it is necessary to avoid confusion. If in doubt, check the *American Heritage Dictionary* or consult your project style sheet.

code example, code sample Not *code snippet*.

Use *code example* to refer to an illustrative fragment of source code. Introduce a code example with a complete sentence that ends with a period, not a colon.

Correct

A nested class is a class that is fully enclosed within another class declaration, as in the following example.

Use *code sample* to refer to a complete sample program that can be compiled and run.

code page Do not use as a synonym... appears on a code page. For more information, s... the

AVER0002.jpg

column format Not...

COM, .com As the name of a communications port (also kn... case followed by a number, as in COM1. As an extension... organization in a URL, use all lowercase preceded with a... *Microsoft.com*.

COM is also an abbreviation for *Component Object Mod*... confused about what COM means in your content.

For more information, see COM, ActiveX, and OLE Te... Software Developers."

See Also: *communications port*

combo box Use in content for software developers to... select an item from a list or type a value directly in... tent for home users or information workers. Refer... vided in the user interface.

Combo box

Use *enter* to refer to either selecting or typing...

Correct

In the **Size** box, enter the font size, in point...

For more information, see *Dialog Boxes and*... the User Interface."

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Playback tool bar description

Button	Function
	Move the image to left, right, up, and down. Select to expand the direction buttons.
	Zoom in image
	Zoom out image
	Fast rewind
	Start to play video
	Stop playing video
	Fast forward
	Go to next or back to last image or file
	Switch to annotation function.
	Back to image or file list

5. To switch to annotation mode, select on playback tool bar.

Button		Function
	Color Palette	Select the line color.
	Line Thickness	Select the thickness of the line.
	Line	Select a straight line, freehand or sharp to draw.
	Capture	Capture the image with the annotation and save it as a new file.
	Eraser	Select to erase any part of the annotation that it comes in contact with or delete all annotation.
	Delete	Clear all annotation on the screen.
	Back	Back to playback tool bar.

Use the Camera

Camera Head Angle

Move the camera head as figure shown.

[CAUTION] To avoid damage the camera head, hold the edge of the camera head to rotation the camera head.
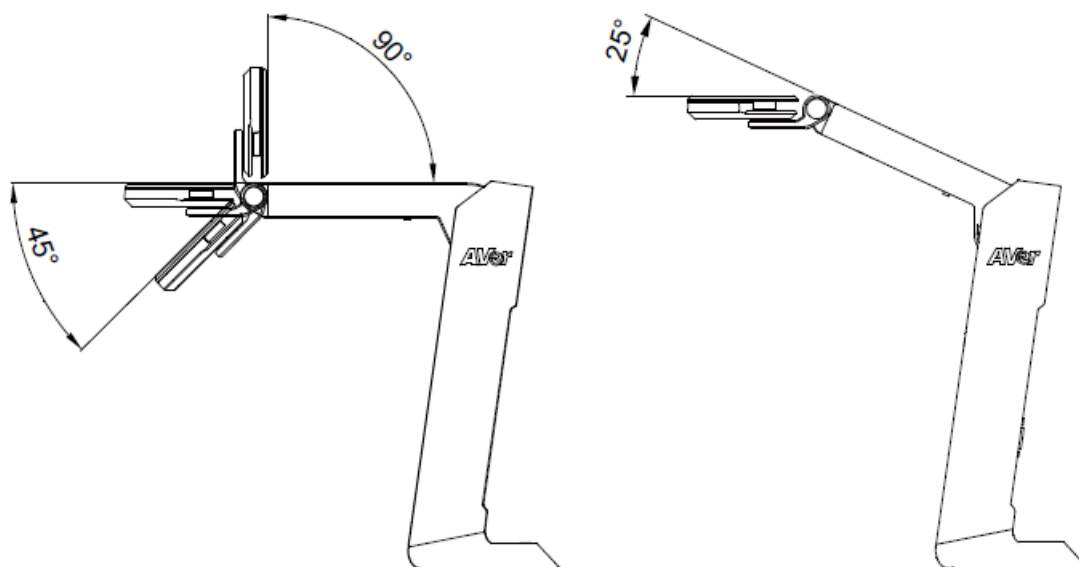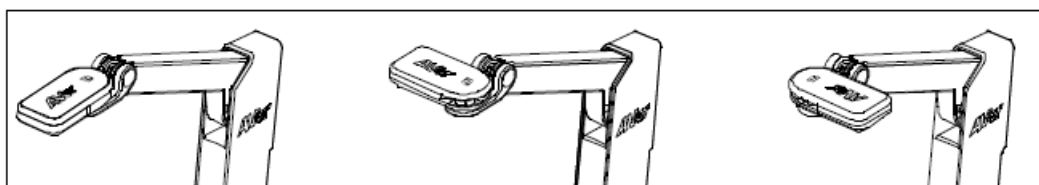
Camera Body Angle

[CAUTION] To avoid damage the camera unit, DO NOT pull the arm angle over 107°.
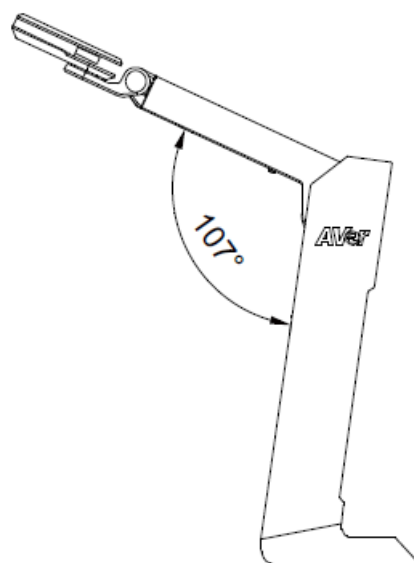
Shooting Area

When camera position is 342.4mm high, the shooting area will be A3 size.

342.4mm

A3

420mm   315mm
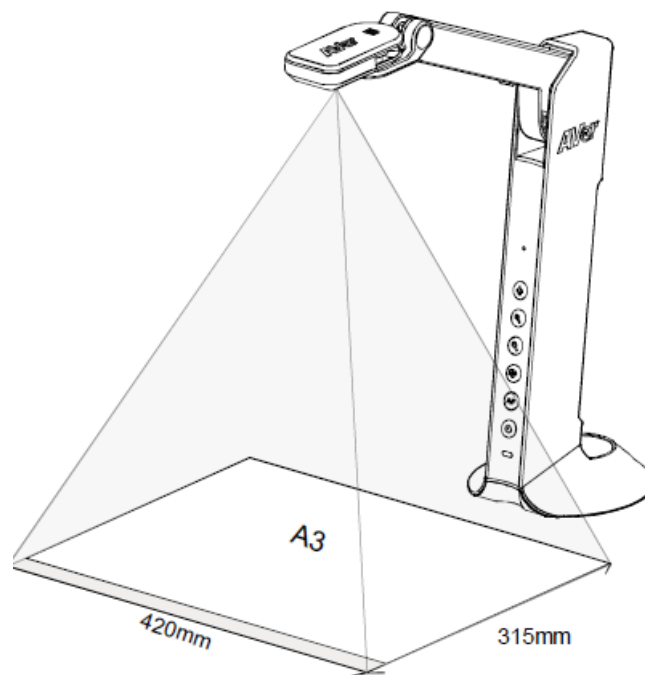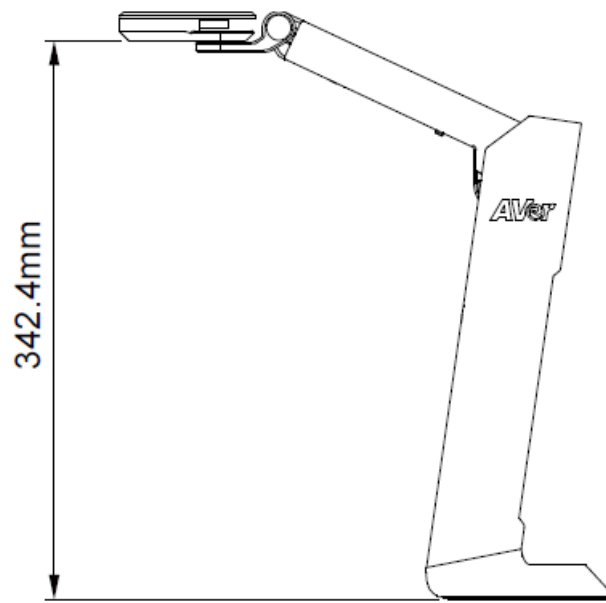
Object Position

The icon on top of camera head can help user to place objects in a positive direction.
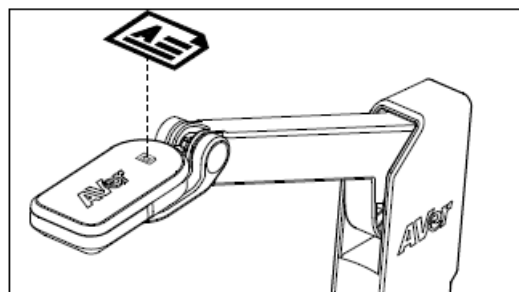
Store the Camera
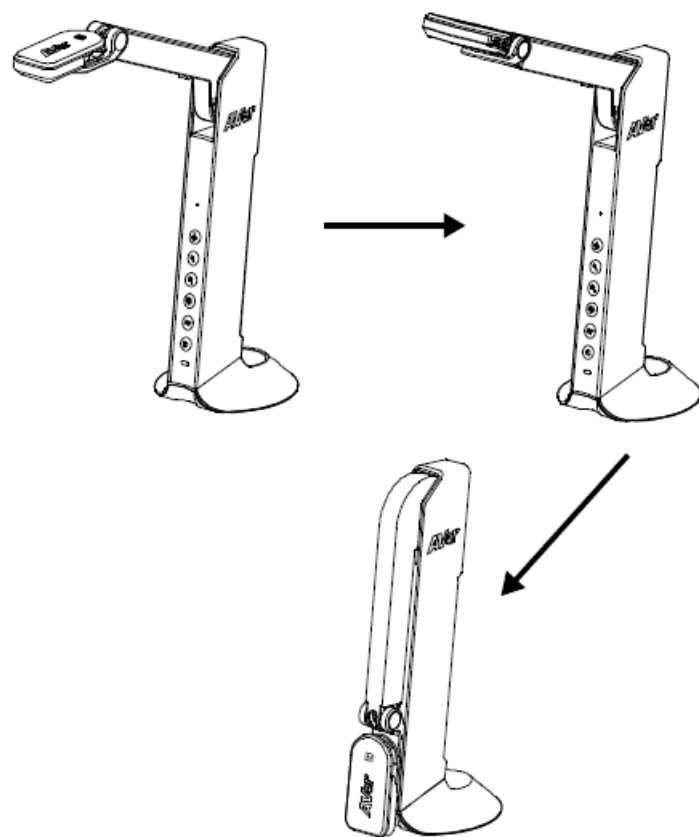
Specification

Sensor	1/3.06″ CMOS sensor
Pixel Count	8MP
Frame Rate	Max.60fps (display)
Image Mode	Normal / Motion / High Quality
Effect	Color / B&W / Negative
Focusing	Auto / Manual
Shooting Area	A3, 420mm (H) * 315mm (V)
Zooming	20x digital zoom
Power Source	Mini-USB in, 5V/1A
Consumption	4.5 Watts (lamp on) 4 Watts (lamp off)
USB Bus Power	Yes, via mini-USB port
Lamp Type	LED light
USB	USB2.0 Type-A x1 (< 5V/0.1A, USB flash drive FAT32, 32GB) USB Type mini-B x 1(Power)
USB Output	3168 x 2376, 1920 x 1080, 1280 x 720, 1024 x 768, 800 x 600, 640 x 480
HDMI Output	1920 x 1080, 1280 x 720, 720 x 480
VGA Output	1920 x 1080, 1280 x 720, 720 x 480
Image Capture	120 pictures (2 megapixel)
Built-in MIC	Yes
Micro SD Card Slot	FAT 32, 32GB
Operating	360.4mm (H) * 116.7mm (W) * 303.4mm (D)
Folded	296.1mm (H) * 116.7mm (W) * 143.1mm (D)
Net Weight	1.83 lbs (0.83 Kg)
Gross Weight	2.87 lbs (1.301 Kg)
Software Support	Aver Touch

WARNING

- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. Warranty will be void if any unauthorized modifications are done to the product.
- Do not drop the camera or subject it to physical shock.
- Use the correct power supply voltage to avoid the damaging camera.
- Do not place the camera where the cord can be stepped on as this may result in fraying or damage to the lead or the plug.
- Hold the bottom of the camera with both hands to move the camera. Do not grab the lens or arm to move the camera.
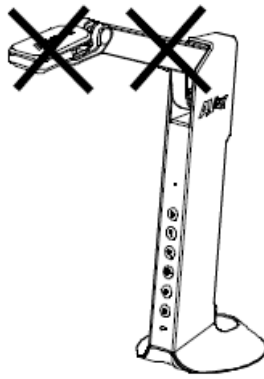
- Do not pull the camera arm and camera part in the opposite direction.
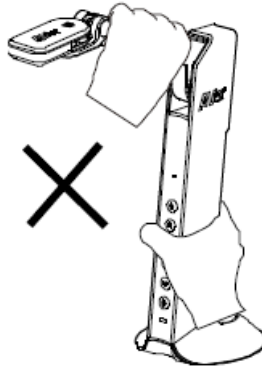
FEDERAL COMMUNICATIONS COMMISSION

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to pro-vide reasonable protection against harmful interference when the equipment is operate din a commercial environment. This equipment generates, uses, and can radiate radiofrequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and

2. this device must accept any interference received, including interference that may cause undesired operation.

Warning:
This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

DISCLAIMER
No warranty or representation, either expressed or implied, is made with respect to the contents of this documentation, its quality, performance, merchantability, or fitness for a particular purpose. Information presented in this documentation has been carefully checked for reliability; however, no responsibility is assumed for inaccuracies. The information contained in this documentation is subject to change without notice.

In no event will Aver be liable for direct, indirect, special, incidental, or consequential damages arising out of the use or inability to use this product or documentation, even if advised of the possibility of such damages.

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Westblaak 134, 3012 KM, Rotterdam, The Netherlands
Tel: +31 (0) 10 7600 550
Technical support: **eu.rma@aver.com**

Documents / Resources

AVer M11-8MV Instruction Manual	**AVer M11-8MV Mechanical Arm USB Interactive Visualizer** [pdf] Instruction Manual M11-8MV Mechanical Arm USB Interactive Visualizer, M11-8MV, Mechanical Arm USB Interactive Visualizer, Mechanical Arm

References

- **Technischer Support ! AVer Europe**
- **Soporte Técnico ! AVer Europe**
- **Support technique ! AVer Europe**
- **_____ | _____ PC _____ | AVer Japan**
- **_____ | ____ | _____ PC _____ | AVer Japan**
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