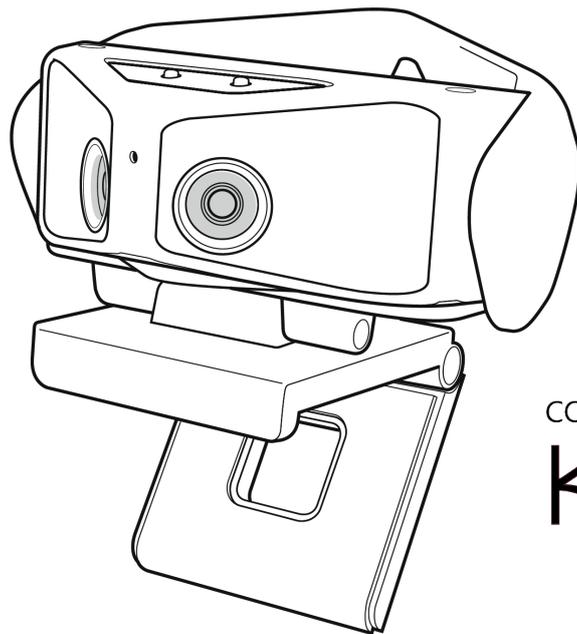




# INSTALLATION GUIDE



CONFERENCE CAMERA

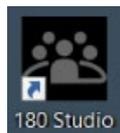
# KP180

# 180 STUDIO

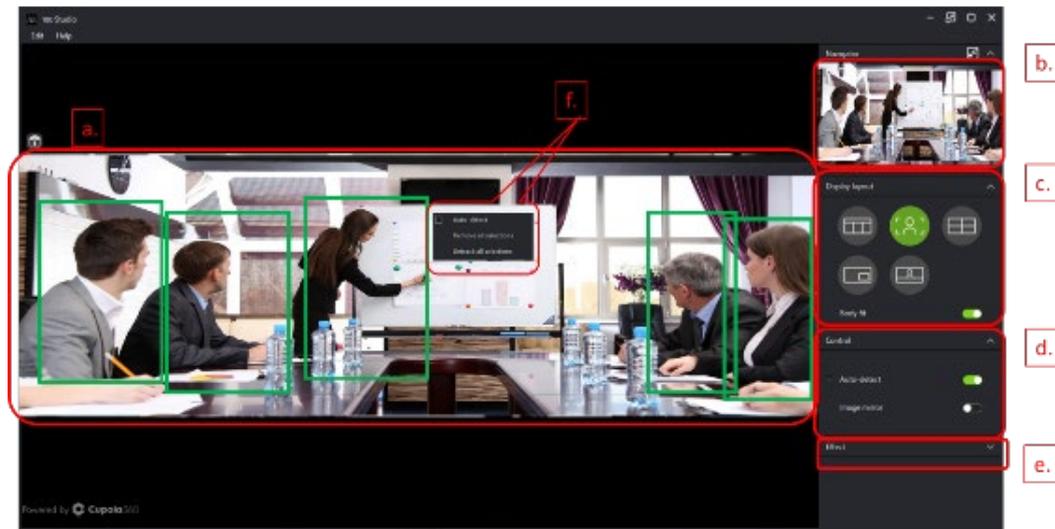
## Simple Operation Instructions

### (I) Installation

- (1) Please visit the AOPEN download page and select 180 Studio to download the compressed file. The link is <http://global.aopen.com/download.aspx> or [https://www.aopen.com/US\\_en/products\\_info/KP180](https://www.aopen.com/US_en/products_info/KP180)
- (2) Select the downloaded compressed file, decompress it, and then run the installation program. The file can be typically found in your “Downloads” directory.
- (3) After running the 180 Studio installation program, a shortcut icon is created on your desktop. An example of the icon is shown below. Double click the icon to run the application.

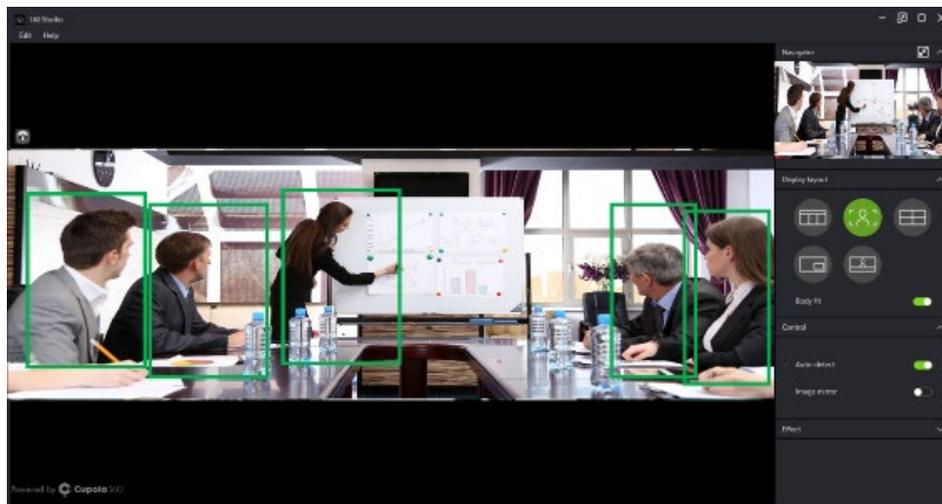


## (2) Operation Guide



- |                                       |                             |
|---------------------------------------|-----------------------------|
| a. Control area                       | d. Display layout area      |
| b. Navigator panel- broadcast preview | e. Effect options area      |
| c. Control panel                      | f. Frame area control panel |

### (1) Control area



- The space on the left side of the 180 Studio app is the control area, where you can frame participants or objects.
- After 180 Studio is opened, the Auto-detect function in the control panel will be turned "On" by default. This will automatically frame any person in the camera view.
- To deactivate Auto-detect, use your mouse and click on the button selector.



- To create a selection box—press and hold the left mouse button and drag a square or rectangle shape.
- Right-click inside of any green selection box and you have the following options:
  - **Auto tracking:** This will automatically track the movement of participants. The frame selection area changes from green to purple.
  - **Pin:** To pin a frame. A pin icon will be shown on the frame.
  - **Delete:** Removes the selection box

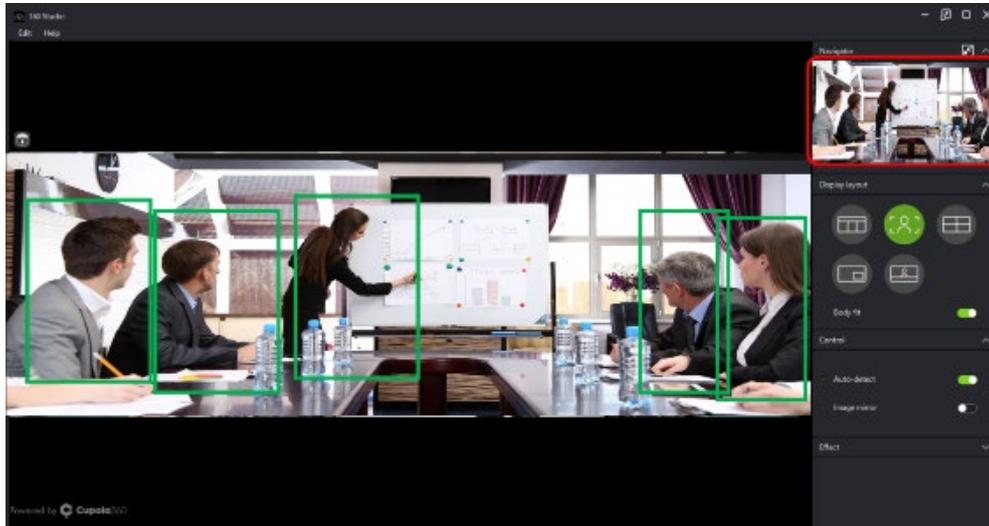


- Right-click inside the control area but not within the selection box to select the following:
  - **Auto-detect:** It will automatically detect participants but will not track the movement of all participants.
    - \* Please note, Auto Detect and Auto Tracking might be affected by lighting or an object in your environment.
  - **Remove all selections:** This will remove all of the selection boxes.
  - **Untrack all selections:** All tracked selection boxes (purple frame) will no longer be tracked and will turn green in color.

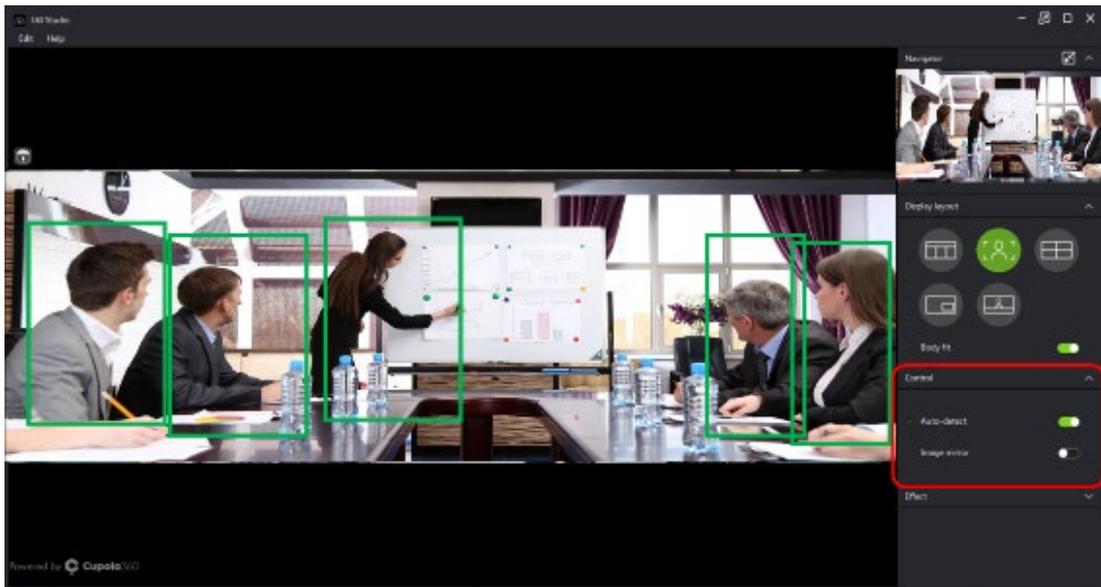
- **Edit Base Position:** Set the image base  from 12 degree down, center and 12 degree up.



## (2) Navigator Panel – Broadcast Preview



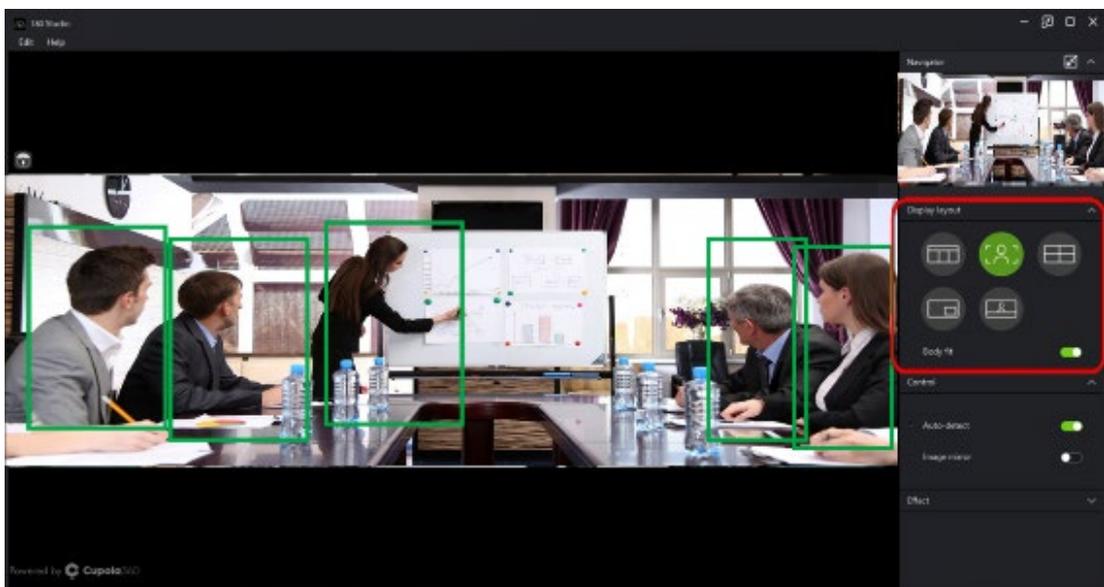
- In the upper right corner of the 180 Studio screen, a preview window shown. This displays what your meeting software will broadcast.
- Press the  icon in the upper right corner to separate the Navigator preview window from the right side of the screen.
- Click  you can now move the preview windows back to the right side of screen.



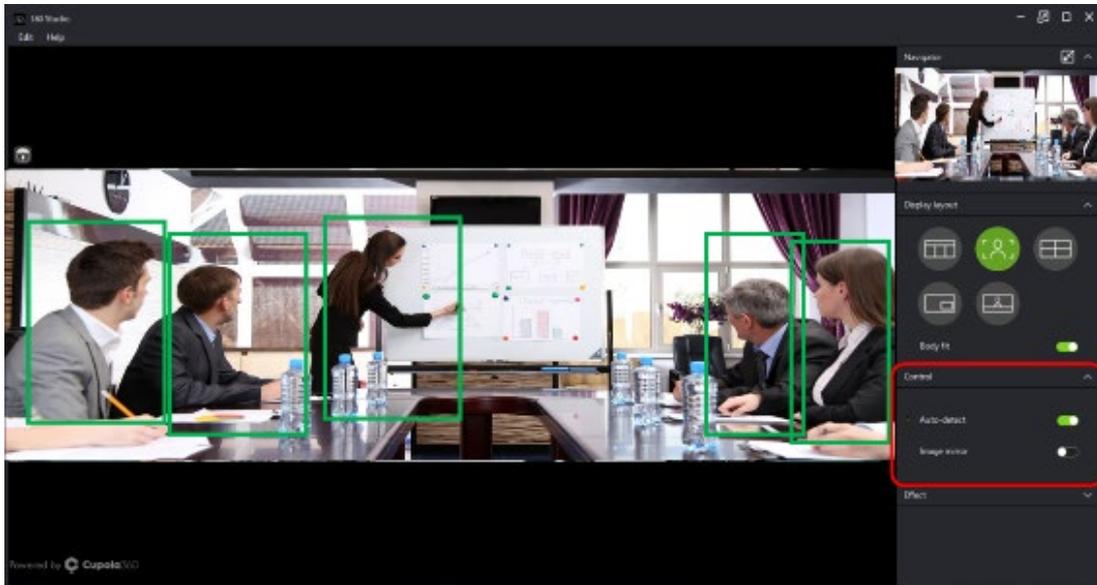
### (3) Control option area (Control)

**Auto-detect:** When enabled, this will automatically select participants and focus on them.

**Image mirror:** This will mirror your displayed image.



#### (4) Display Layout - Conference mode selection area



**Compose mode:** Displays the panoramic view on top with 4 framed participants below.



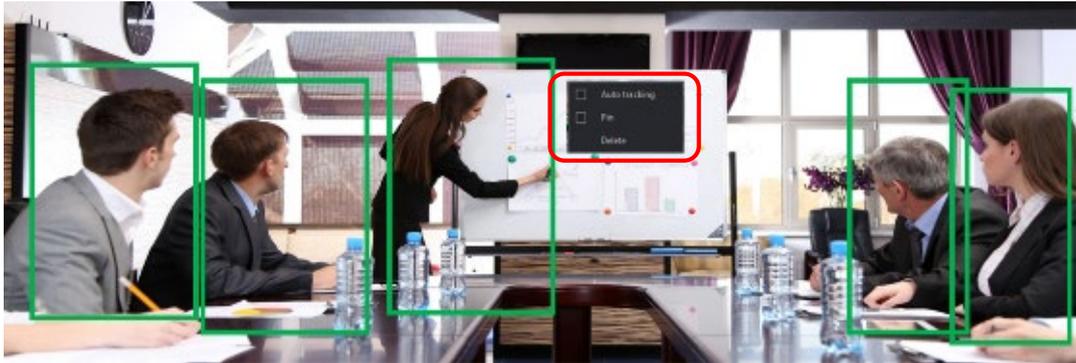
**Focus mode** (default is on): Display the minimum range covered by each frame selection combination



**Grid mode:** Displays 4 selection areas. To frame an area, click the left mouse button and draw a frame around each participant or item you wish to display in the grid.



**Picture in Picture:** Displays 2 framed selection areas. This layout is great for product demonstrations since it allows you to frame a product in the large frame and a demonstrator in the small frame.

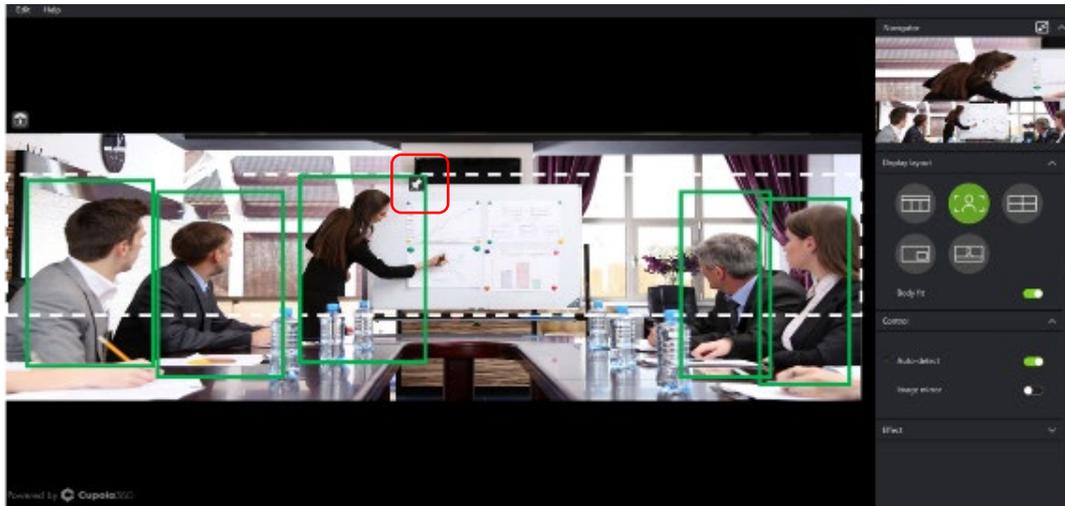


**To pin a frame:** Press the right mouse button and click Pin. A pin icon will be shown on the frame.



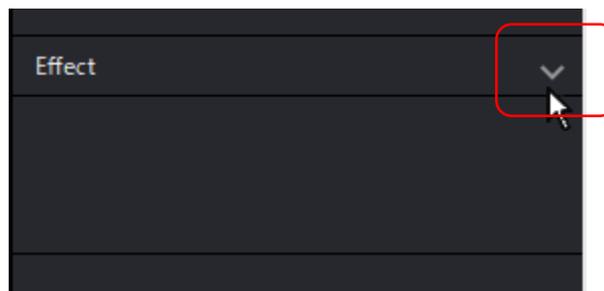
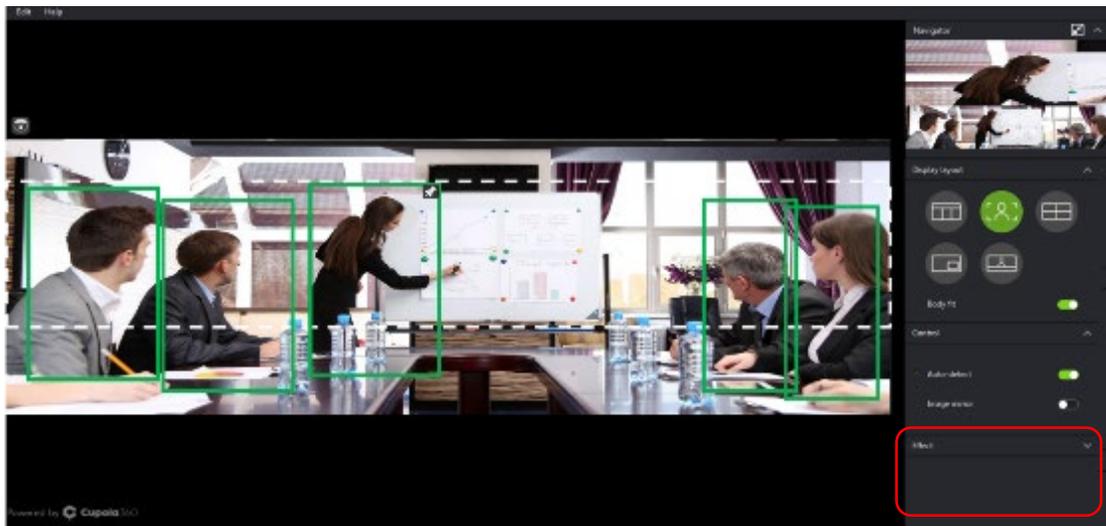
**Presenter mode:** Only the main presenter and panoramic screen are Displayed.

- The frame selection area of the main speaker can be fixed through the Pin function with the right mouse button;

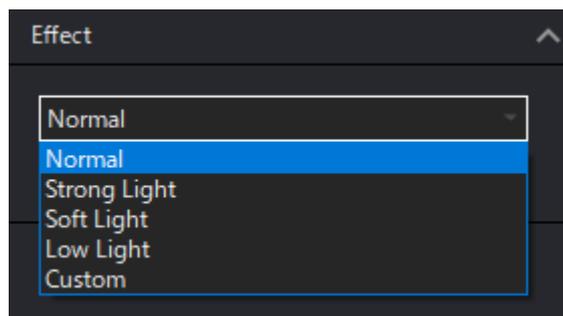


- The panoramic frame selection area can be adjusted by selecting the arrows in the lower right and left corners of the dashed line white box and dragging the box to the desired position.

### (5) Effect options area

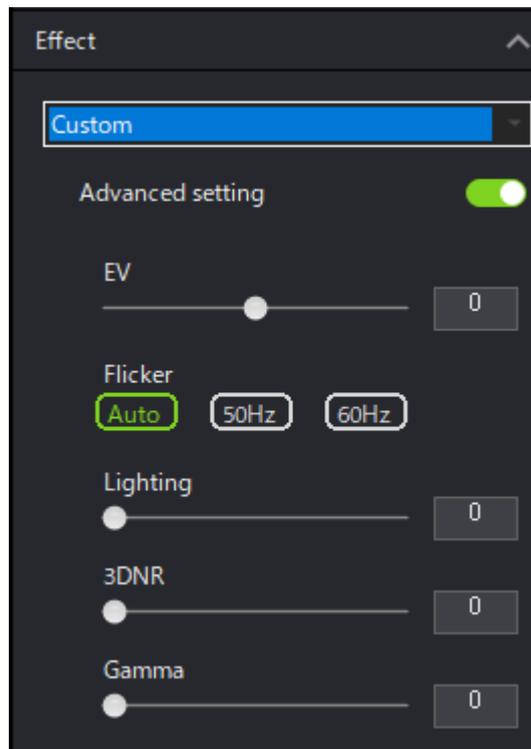


Click the expand icon in the Effect area to expand the available preset options.



Use the mouse to select the following light sources:

- **Normal:** Balanced light source.
- **Strong Light:** Select this option if the room is very bright.
- **Soft Light:** Select this option if the room is softly lit.
- **Low Light:** Select this option if the room is darker.



**Custom:** If the preset options are not providing the needed adjustments, selecting the Custom option and then selecting 'Advanced setting' will allow you to manually control the camera. The following adjustment items can be made:

- **EV (Exposure Value) adjustment** –This will darken or brighten the overall camera image.
- **Flicker adjustment:** Auto, 50Hz, 60Hz can be selected. For the U.S. and Canada, should be set to Auto or 60Hz.
- **Lighting adjustment** – Adjusts the camera image brightness.
- **3DNR adjustment** – 3D Noise Reduction - Reduces the amount of noise (snow) in the camera image.
- **Gamma adjustment** – Adjusts the camera image contrast.

### 3. Unable to run 180 Studio?

If you have resource usage conflict that conference software or 180 Studio cannot work properly, please follow the steps as below.

- (1) Please exit the 180 studio and communication application, if they are working.
- (2) Want to use video come from "180 Studio"
  - 2.1 Exit the 180 Studio, if it is working.
  - 2.2 Launch communication application and set camera selection to "Studio Camera"
  - 2.3 then, launch the 180 Studio.
- (3) Want to use "KP180 Camera". (Use KP180 directly without 180 Studio.
  - 3.1 Exit the 180 Studio, if it is working.
  - 3.2 Launch communication application and set camera selection to "KP180 Camera";