



# OMMAGIC STUDIO

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## User Manual

# Before You Start

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## Introduction of OMMAGIC Studio

- OMMAGIC Studio is a software that needs to use with 4 Cams Video Conferencing Device HUAXIN 100 to perform diversified operations. It supports various video conferencing scenarios. On first use, please connect the hardware and open the file explorer to install the software.



If you have any installation problems, please check the official website.

- Install OMMAGIC Studio and connect HUAXIN 100 Video Conferencing Device. There are more than 3 audio and video device options, such as Studio Camera, HUAXIN 100 Microphone, HUAXIN 100 Speaker, etc. in the general meeting software setting options. If the user chooses Studio Camera, this software can be used in various video conference scenarios (Such as Microsoft Teams, Zoom, Webex, Google Meet, Skype, etc.)

### System Requirements:

Windows:

OS Version: Windows 10 or Above 64 bit

CPU: Intel i5 4 Core ( or equivalent) or higher

DDRAM: 4GB or more

Mac:

OS: Mac OS 10.15 or Above

Macbook Pro (2013) or equivalent or higher

DDRAM: 4GB or more

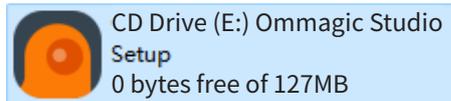
Mac Mini i3 (2018) or equivalent or higher

DDRAM: 8GB or more

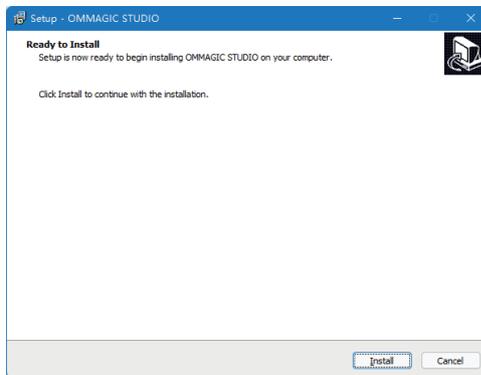
# Connect to the computer

## > Installation

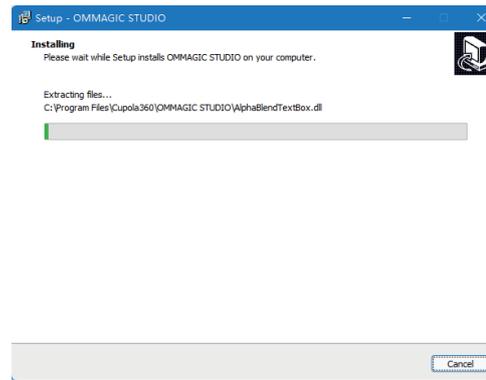
1. Before installing the software, please turn on the HUAXIN 100 video conferencing device and connect it to the computer via a USB cable. The computer will immediately detect and prompt you to use a virtual disc to install the software.



2. Click [Install] to install the software.



3. Installed directory.



4. Click [Finish] to complete the installation.

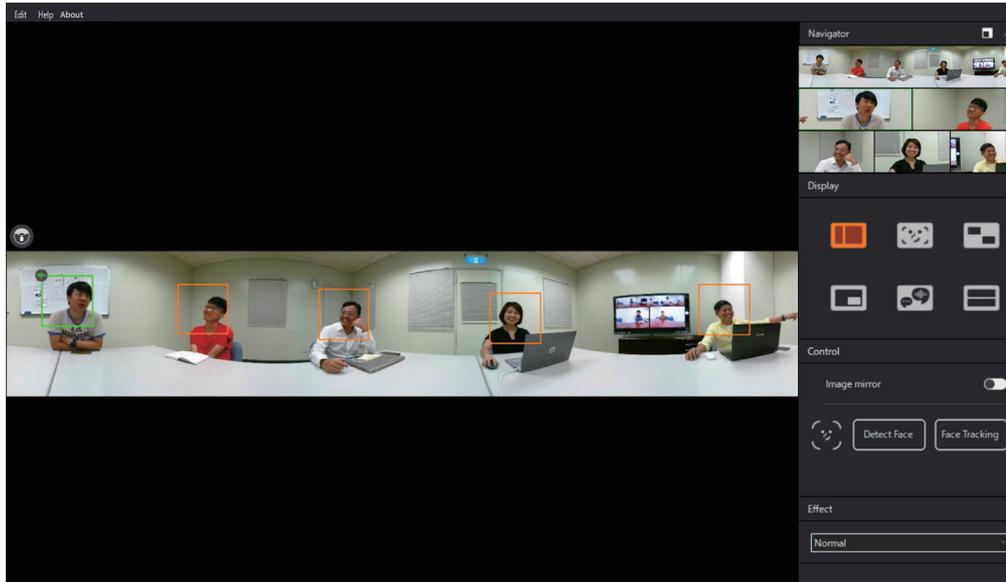


5. After installation, the icon will appear on the computer desktop. Double-click  to open the software.

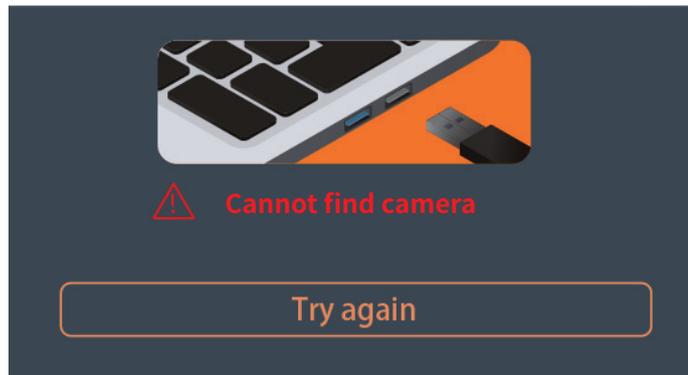
## > OMMAGIC STUDIO Connection Instructions

### 1. Connect the HUAXIN 100 Video Conferencing Device

Connect the HUAXIN 100 Video Conferencing Device to your computer via a USB cable, and then open the "OMMAGIC Studio" software on your computer. OMMAGIC Studio will automatically detect the device and establish a connection with it.



### 2. If OMMAGIC Studio does not detect the HUAXIN 100, click [Try again] to search for the camera device again.



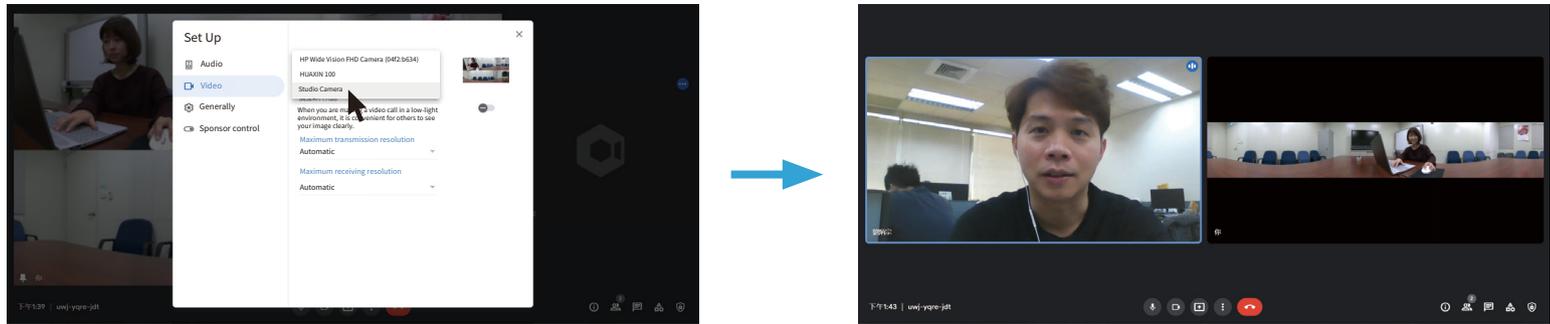
 If the connection still fails, please confirm:

- (1) Whether the HUAXIN 100 has been correctly connected to your computer;
- (2) Whether HUAXIN 100 is being occupied by other software.

## > Video image output

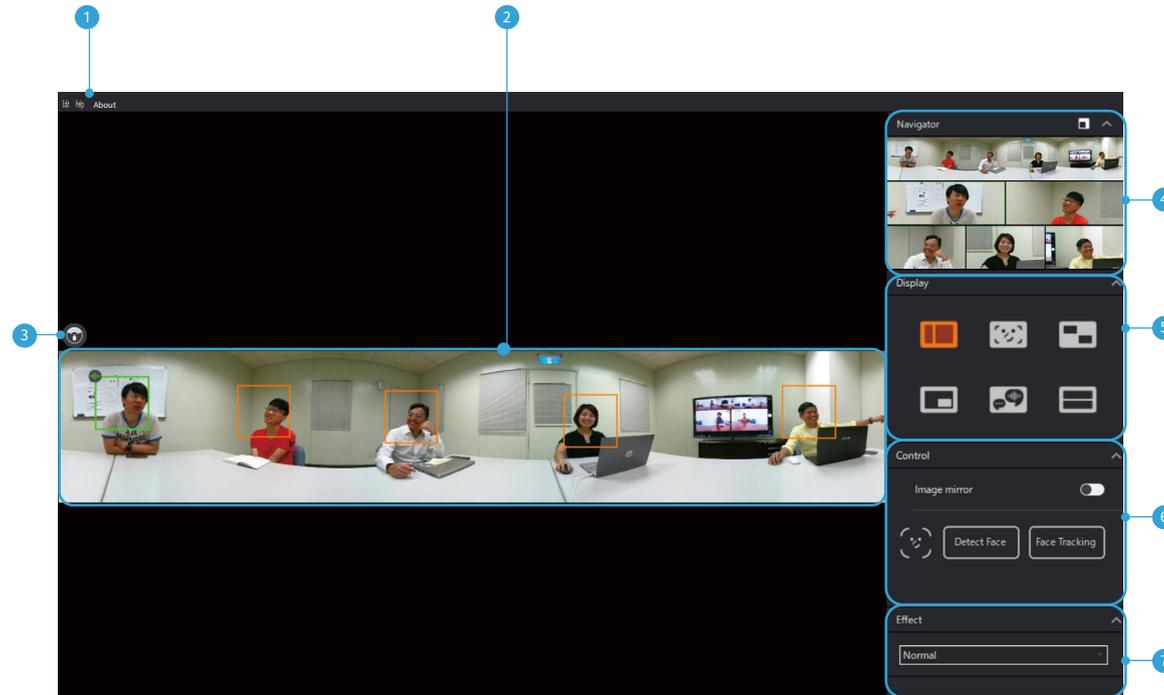
Double-click the  and enter the OMMAGIC Studio interface.

1. Open any video software. Take Google Meet as an example to operate as shown in the figure below.
2. Select “Studio Camera” in the camera device.
3. Google Meet displays the images output from the OMMAGIC Studio software.



# Operation Methods

## >1 Interface introduction



1	Menu (Edit, Help, About)	5	6 modes (Composed mode, Body fit, Grid mode, Focus mode, Speaker mode, Topdown mode)
2	Control view	6	Control (Image mirror, Detect Face, Face Tracking)
3	Edit base position	7	Effect (Image parameter value adjustment) (Normal, Middle, High, Custom)
4	Navigator (Output screen)		

## >2 Features

### Edit

In the Edit settings, there are 3 options for setting: Detect Face, Face Tracking, Clean all.

Detect Face: It will detect the faces once.

Face Tracking: Continuously detect the faces and track their tracks.



Face tracking is enabled by default.

Clean all: Cancel all face recognition frames, including automatic detection and manual frame selection.

# HELP

In the Help settings, there are 2 options for setting: Check update, Issue report.

## Check Update:

Select『Help』, and then select『Check update』, OMMAGIC Studio can automatically download the latest version of its software and the latest version of the firmware of the HUAXIN 100 Video Conferencing Device, and it will prompt to confirm whether it needs to be updated.

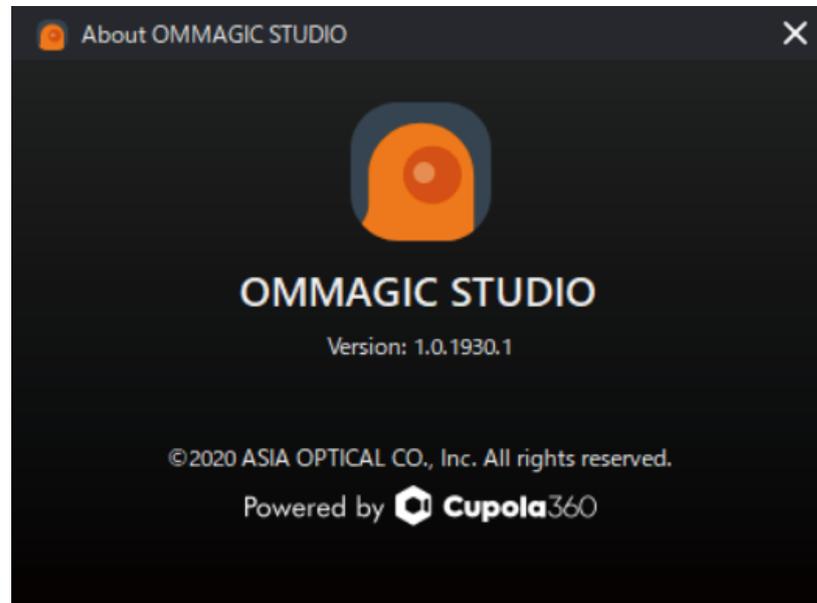


## Issue report:

Consumers can submit questions, comments and suggestions by filling out the form on the website page.

## About:

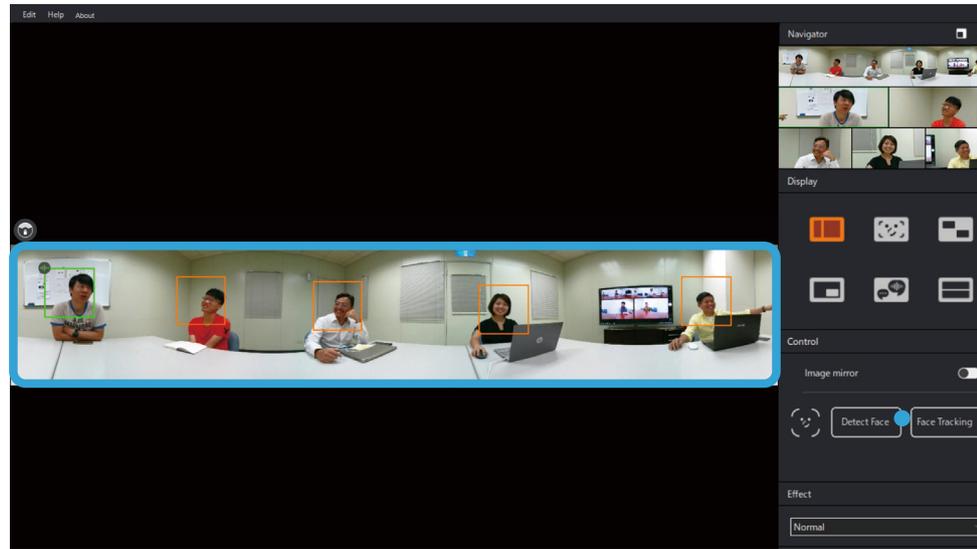
View information such as OMMAGIC Studio software version and copyright notice.



 Due to the update and upgrade of the product, the version number of this manual may be slightly different from the actual one, please refer to the actual one.

# Control view

The Control view window is presented in a 360-degree (4CAM) panorama.



  +  indicates the current speaker.

 You can set the output range, adjust the mode control box or other editing settings in the control window.



Face Tracking : Tracking focus on a single object.

Pin : Pin the image to the navigation panel window.

Delete : Delete the label box.

## Edit base position

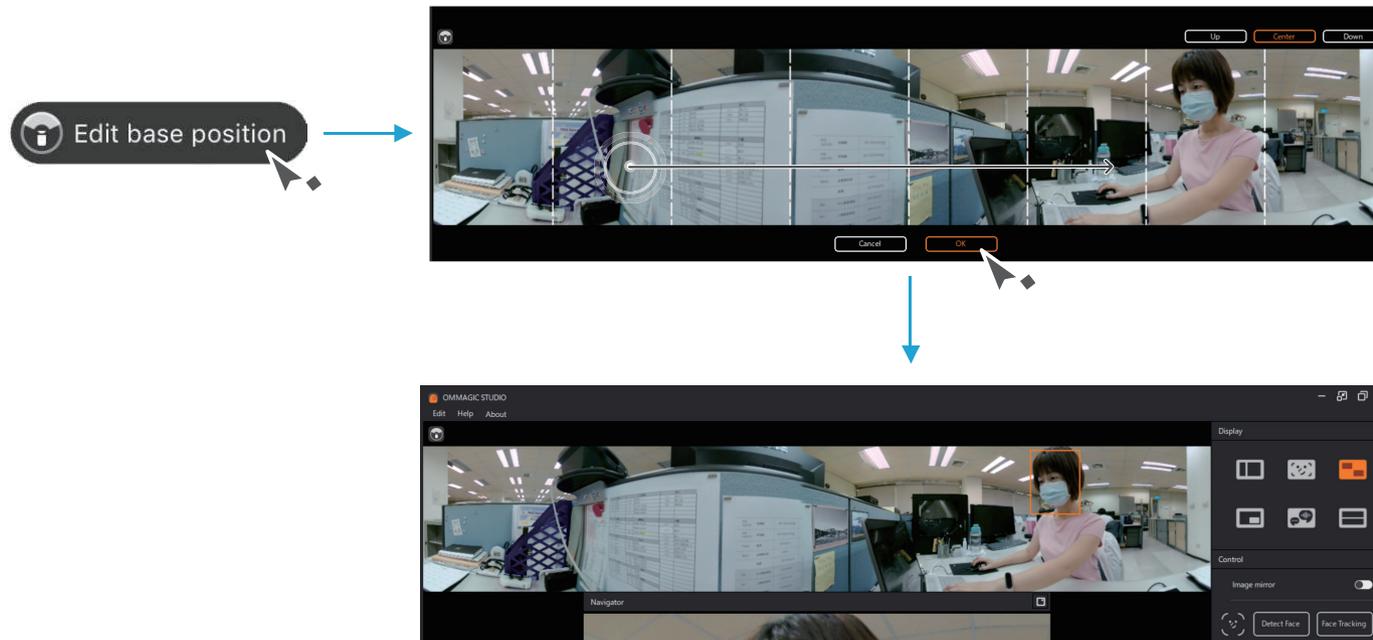
1. Select  to enter the interface of Edit base position, you can adjust the displayed image by moving left and right.

Up : Vertical + 45° up / -15° down

Center : Vertical  $\pm 30^\circ$

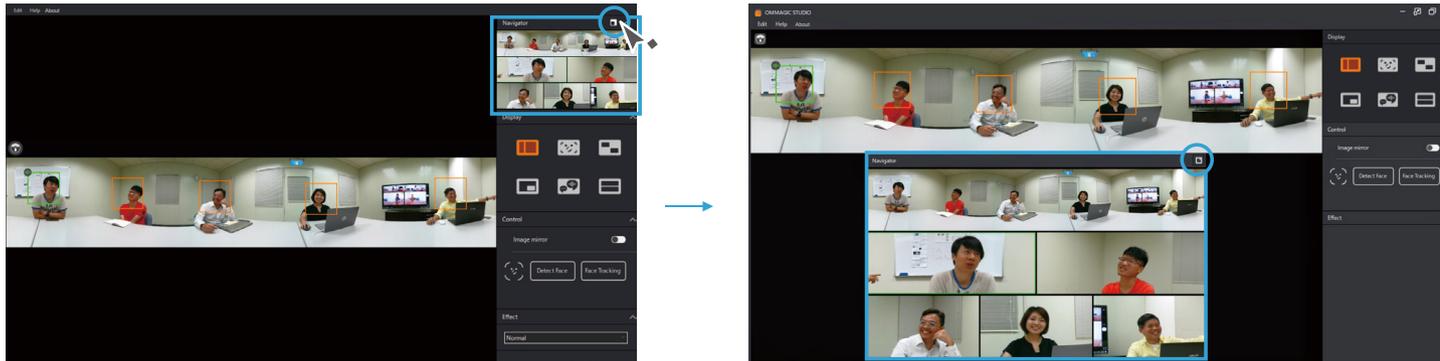
Down : Vertical + 15° up / -45° down

2. Select  to return to the main screen.



# Navigator

Click  to split the window, and the preview window will be enlarged below the panorama. Click  to merge the windows, and the preview window will be reduced to the upper right corner.

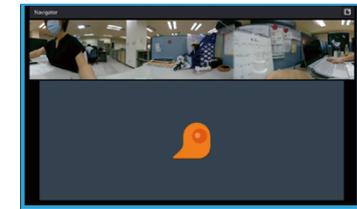
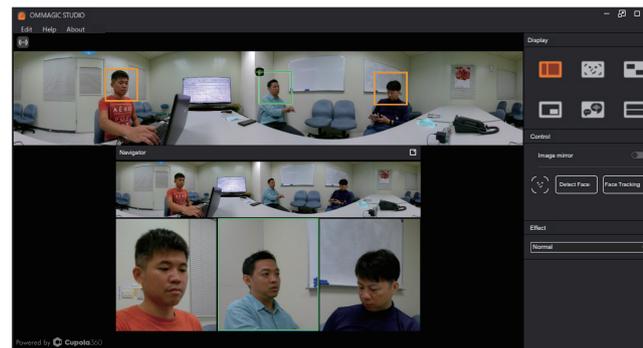


## Mode display (6 modes)

There are 6 operating modes for setting: Composed mode, Body fit, Grid Mode, Focus mode, Speaker mode, Topdown mode.

### 1. Composed mode

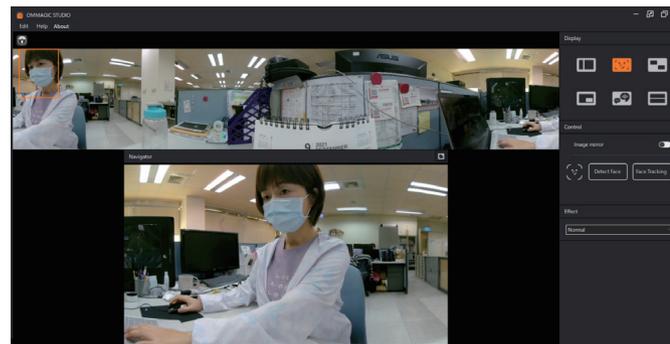
It is a common conference mode. The upper part of the output screen is a panoramic view, the lower part is the position of the close-up frame of the tracked person, and a maximum of 8 close-up frames are displayed at the bottom.



 When no face is detected, the screen will display the OMMAGIC Logo.

### 2. Body fit

Remove unnecessary parts of surroundings and display the entire detected image range of people.



### 3. Grid mode :

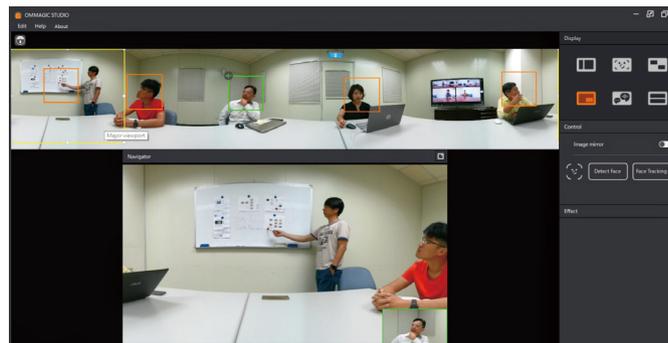
It is a group discussion meeting mode suitable for 1 to 4 people. The position of each tracked person is in a separate close-up frame, and the output area can display up to 4 views.



 The window of the person who is talking will replace the window of the person who is not talking.

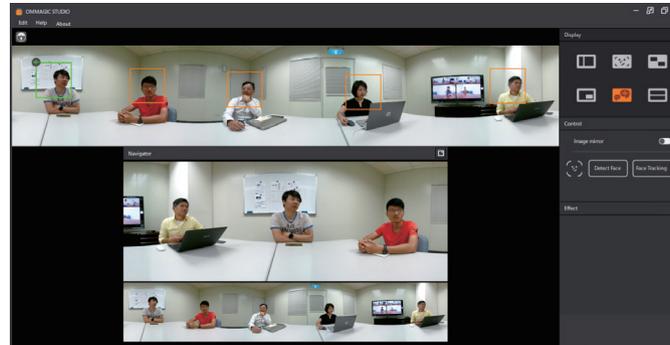
### 4. Focus Mode :

It is mainly used for presentation meetings. The content of the yellow frame displayed on the screen can be adjusted manually, and the size of the yellow frame can be changed by 8 points. When previewing the output, it mainly displays the content selected by the yellow frame, and the presenter is displayed in the lower right corner. The main speaker can be fixed by the Pin function.



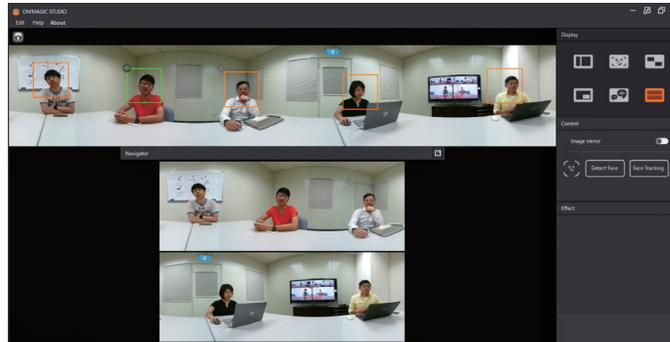
## 5. Speaker Mode :

In Speaker mode, the speaker is displayed at the upper parts of the output screen, and the panoramic image is displayed at the bottom.



## 6. Topdown mode :

In Topdown mode, the panoramic image is cut into 2 screens and the field of view is switched to 180 degrees. The 2 screens are displayed as shown in the figure below.



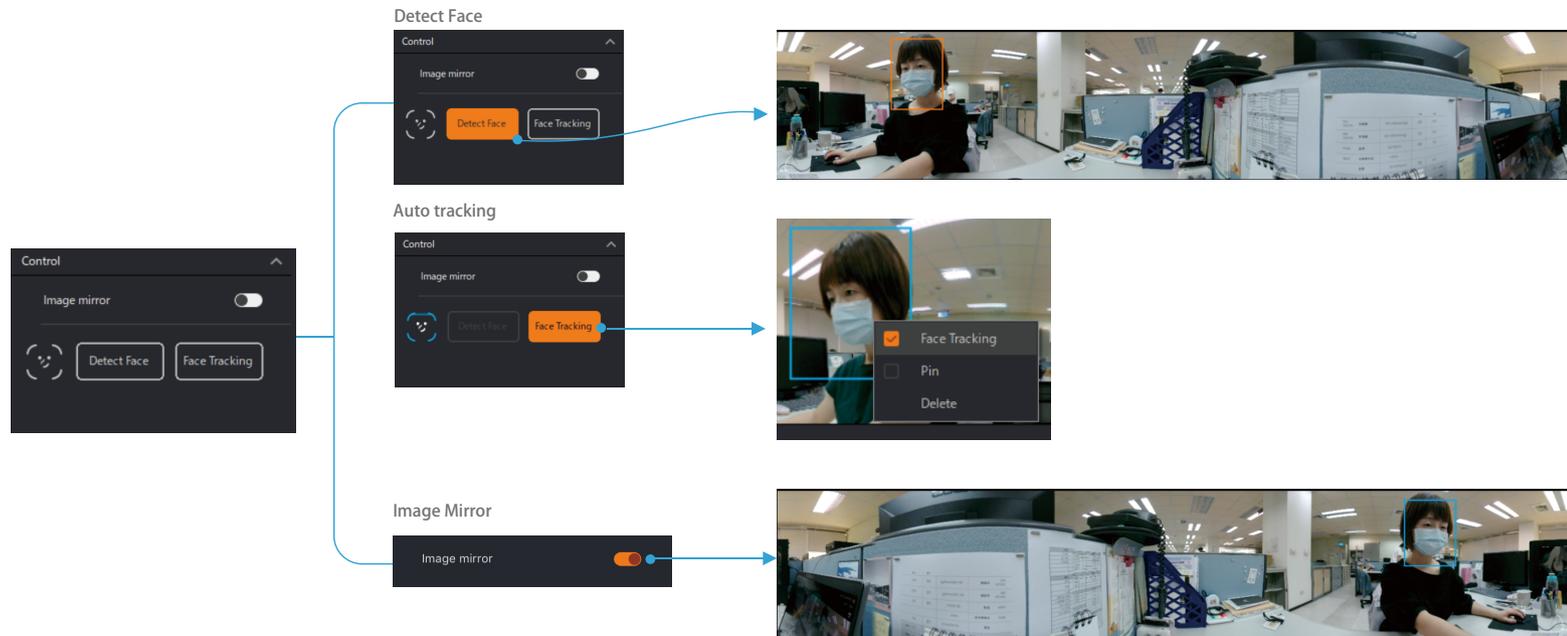
 The functions of Detect Face, Face Tracking or Output image range are not available in this mode.

**Menu that can be adjusted under each mode ( O: Optional X: Not optional )**

No.	Mode	Composed mode	Body fit	Grid mode	Focus mode	Speaker mode	Topdown mode
1	Detect Face	O	O	O	O Small window	O	X
2	Face Tracking	O	O	O	O Small window	O	X
3	Output image range	O	O	O	O Small window	O	X
4	DOA (Direction-of-Arrival)	O	X	O	O Small window	O	X
5	Pin	O	X	O	O Small window	O	X

## Control tool

In the Control settings, there are 3 options for setting: Detect Face, Face tracking and Image mirror.



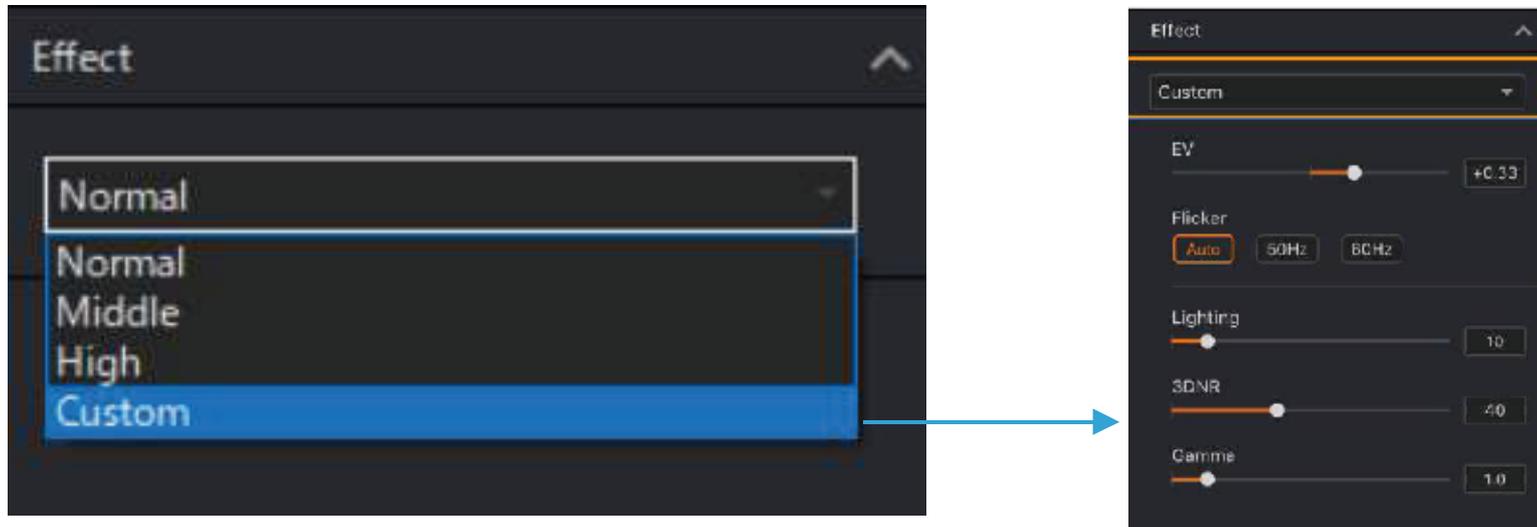
Detect Face: Automatically detect faces and display orange focus frames.

Face Tracking (default option): Automatically detect faces and display blue focus frames.

Image mirror: When image mirroring is enabled, the output image will be flipped left and right.

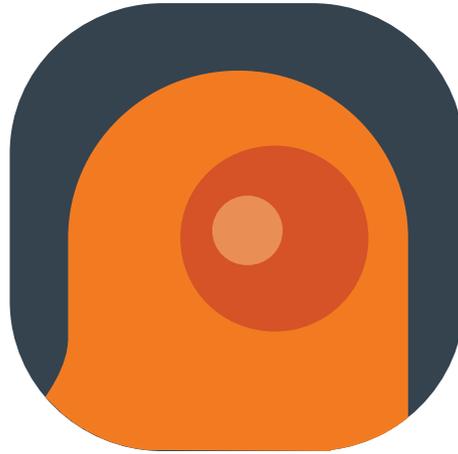
## Effect

In the Effect settings, there are 4 options for setting: Normal, Middle, High and Custom.



Custom:

Item	Range
EV	-2EV~+2EV
Flicker	Auto/50Hz /60Hz
Lighting	0~100
3DNR	0~100
Gamma	0~100



<https://www.huaxinlenses.com/>