

***BlueEyes***<sup>®</sup>

# **Matrix**

# **Control Software**

Operation manual

Version 1.5.11.5

2015/12/15

[www.BlueEyes.com.tw](http://www.BlueEyes.com.tw)



# Operation manual

## □ BlueEyes Matrix

Thank you for using the product of BlueEyes Technology.

The manual will introduce the product of BlueEyes Technology. Please read the manual before you start using the product.

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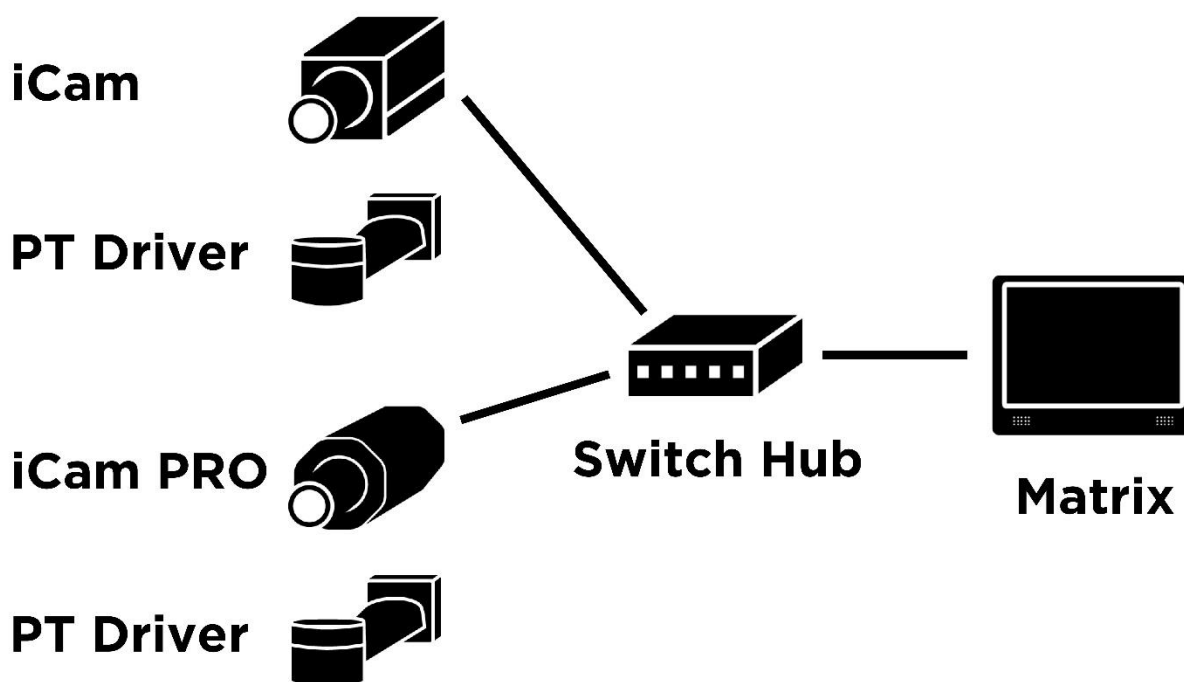
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# 1. Preparation

Before using Matrix control software, please check hard ware first.

## 1.1 Composition

Matrix can support up to 6 iCam/iCam PRO. Following is the composition of Matrix.



For iCam/iCam PRO, please visit:

[http://blueeyes.com.tw/iLearning\\_iCam.php](http://blueeyes.com.tw/iLearning_iCam.php)

For PT Driver, please visit:

[http://blueeyes.com.tw/iLearning\\_iCam.php#tabs-8](http://blueeyes.com.tw/iLearning_iCam.php#tabs-8)

## 1.2 Compatibility list

Matrix can support iCam, iCam PRO and PT Driver. Different collocations will result in different compatibilities.

	iCam	iCam PRO	iCam + PT Driver	iCam PRO + PT Driver
Pan Tilt			●	●
ePTZ*		●		●
Monitor	●	●	●	●
Audio	●	●	●	●

\* Resolution: 1280x720 pixel

### 1.3 Settings of iCam/ iCam PRO

Please set stream 2 for iCam/ iCam PRO and leave stream 1 for SES. Because stream 2 is VGA and resolution is lower than stream 1. If you need resolution for 1080p when you switch to full screen mode. You can set stream 1 for Matrix as well.

Before using ePTZ function of iCam PRO. Please set resolution 1280\*720 for iCam PRO (default value is 1920\*1080) and select for stream 1 to enable ePTZ.

## 2. Installation

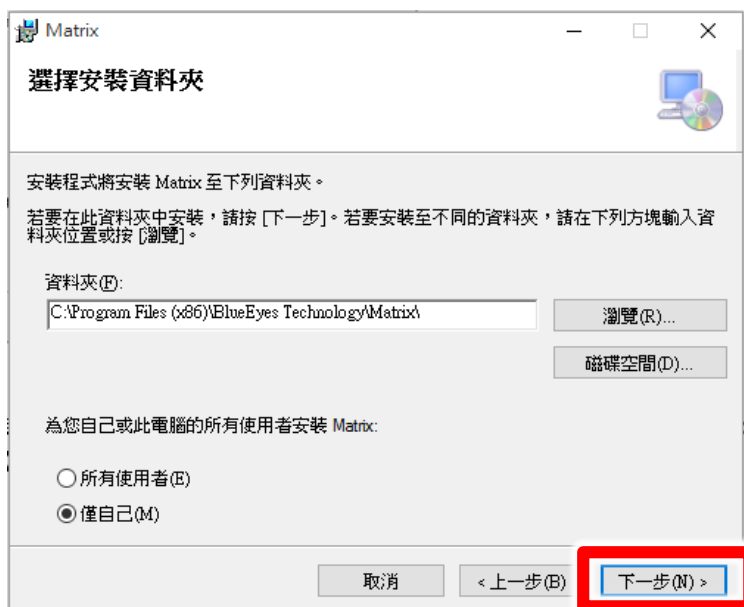
Matrix will start to install after downloading.

### 2.1 Install interface

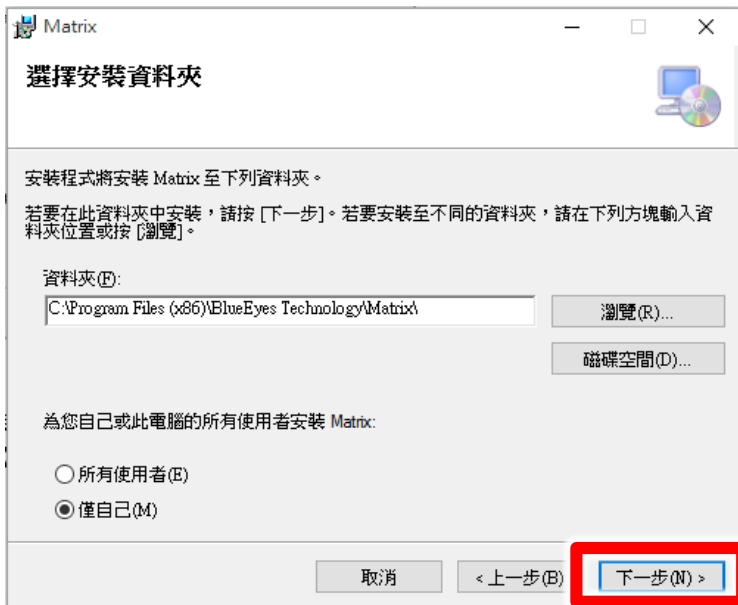
Step 1: click folder Matrix and select 【Matrix\_TotalSetup.exe】.

名稱	修改日期	類型	大小
REC-4	2015/11/6 下午 0...	檔案資料夾	
<b>Matrix_TotalSetup.exe</b>	2015/11/9 上午 1...	應用程式	1,545 KB
RCMicroDogSetup.dll	2007/12/7 下午 0...	應用程式擴充	2,994 KB

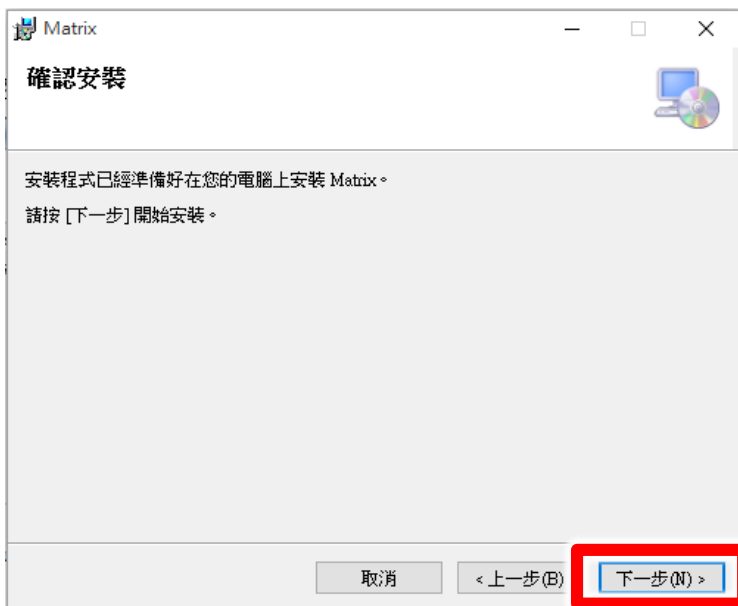
Step 2: enter Matrix installation window and click 【next】.



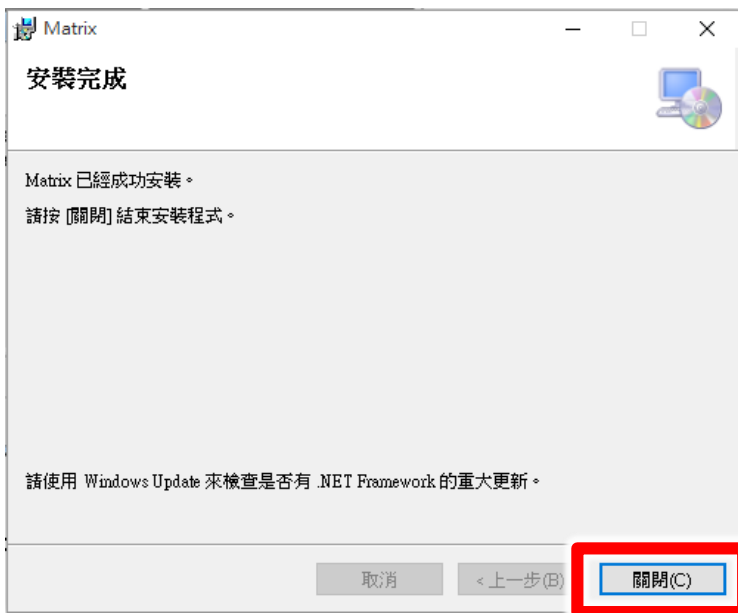
Step 3: select install location, and default folder is 【 C:\Program Files (x86)\BlueEyes Technology\Matrix\】.



Step 4: click 【next】 to install.

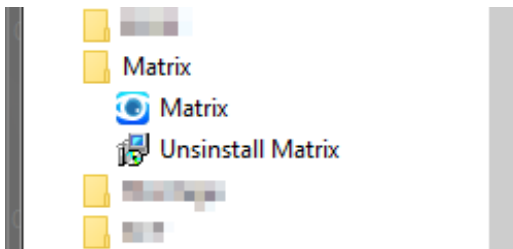


Step 5: after installation, click 【close】



## 2.2 Perform interface

Step 1: click 【start】 and select 【all program】 , you can find Matirx under BlueEyes Technology.

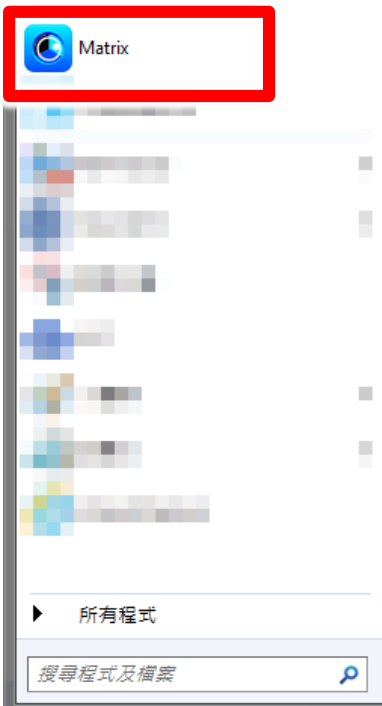


Step 2: you can book Matrix on function bar.





Step 3: click to perform Matrix.



# 3. Manipulation

There are three parts in Matrix. Live-view, settings and manipulation.



- A Shows the live-view of camera 1 to 6.
- B Settings, including full monitor, camera settings, Matrix version and shut down button.
- C Manipulation, including PT and ePTZ.

## 3.1 Live-view

It shows the live-view of each classroom.

## 3.2 Settings

Settings, including full monitor, camera settings, Matrix version and shut down button.



Make the monitor with red light full screen, click left button of mouse to cancel full screen.



Related settings of iCamV3/iCam PRO, including enable, IP, Port, Username, Password, Stream and Model



Version of Matrix



Shut down Matrix

## 4. PT

PT is stand for Pan (left and right) and Tilt (up and down). Use pan tilt driver and change the camera sight during recording. The functions of PT includes rotation, rotate speed and preset point.

### 4.1 Rotation

Click 「up」, 「down」, 「left」 and 「right」 to make it rotate.



### 4.2 Speed of rotation

Select the speed of rotation to meet your needs. There are three types of speeds you can select. From left to right is 6 degrees/sec, 12 degrees/sec and 20 degrees/sec.





We recommend you select to slow speed when you need to record lecture from far distance; record lecture from near distance use fast speed.

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## 4.3 Preset point

Preset technology provides preset point for you. You can set some specific views as preset points and then click preset point, pan tilt driver will automatically turns to the points you set. PT built-in eight points preset control.

If you need to add current view for preset point 1, go to 「Set」 and click 「1」.



If you want the view turn to preset point 1. Go to 「GO」 and click 「1」.



## 5. ePTZ

The function of ePTZ includes rotation, zoom, home point and preset point.



Only iCam PRO supports ePTZ.

Before enable ePTZ function, resolution of iCam PRO should be 1280x720.

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### 5.1 Zoom

When using ePTZ, please zoom the channel first and then rotate. Digitally controlled 10 level digital zoom.



### 5.2 Rotation

You can have different kinds of rotation direction by using ePTZ, such as, up, down, left, right, upper left, lower left, upper right and lower right.



## 5.3 Home

Click home can return to home point. Home point can be only one. Moreover, it will return to the original view which without zoom or rotation.



## 5.4 Preset technology

ePTZ built-in eight points preset control.

If you need to add current view for preset point 1, go to 「Set」 and click 「1」.



If you want the view turn to preset point 1. Go to 「GO」 and click 「1」 .





## 6. Q&A

**【 Question 1 】** How many Matrix or computer can per iCam/ iCam PRO support?

**【 Answer 】** When SES/SES One is not working, per iCam/ iCam PRO can support two Matrixs or computers. When SES/SES One is working (no matter record the lecture or not), per iCam/ iCam PRO can only support one computer or Matrix.

**【 Question 2 】** Does recording quality be influenced by Matrix?

**【 Answer 】** If the connector with per iCam/ iCam PRO do not more than 2, it won't influence recording quality.

# Note

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