



Auto Focus USB Camera Module



8MP IMX179

(SKU: UB0240)

QUICK START GUIDE

SPECS

Camera	
Sensor	1/3.2" IMX179
Resolution	8MP 3264H x 2448V
Pixel Size	1.4 μm x 1.4 μm
Data Format	MJPEG/YUY2
Frame Rate	MJPEG: 30fps@640 x 480/600 x 800/1024x 768/1280 x 720 /1280 x 960/1600 x 1200/1920 x 1080/2048 x 1536/2592 x 1944/3264 x 2448 YUY2: 1fps@3264 x 2448; 2fps@2592 x 1944/2048 x 1536; 5fps@1920 x 1080/1600 x 1200; 7.5fps@1280 x 960; 10fps@1280 x 720; 15fps@1024 x 768; 25fps@800 x 600; 30fps@640 x 480.
Lens	
Field of View	62°(H)
Lens Mount	M6.5*P0.25 mm
IR Sensitivity	Integral IR filter, visible light only
Functionality and Compatibility	
Auto Controlled Features	Contrast/ Saturation/ Exposure / White balance /Sharpness
Audio	Single Microphone
Compatibility	Win7/8/10, Android, Linux, and Mac OS
Power	
Power Supply	DC 5V
Working Current	MAX 300mA
Physical	
Operating Temp.	-4°F~158°F (-20°C~+70°C)
Dimension	62x9x6mm
Connector No.	SM05B-SR5S-TB
Cable Length	3.3ft (1M)

INTRODUCTION

• About Arducam

Arducam has been a professional designer and manufacturer of SPI, MIPI, DVP and USB cameras since 2012. We also offer customized turnkey design and manufacturing solution services for customers who want their products to be unique.

• About this USB Camera

The UB0240 is a new member of the Arducam's USB camera family. It's a 8MP, UVC compliant, USB 2.0 camera. This USB camera is based on the 1/3.2" Sony IMX179 image sensor, and you can read more about its specs in the next chapter. Arducam also provides the sample application that demonstrates some of the features of this camera.

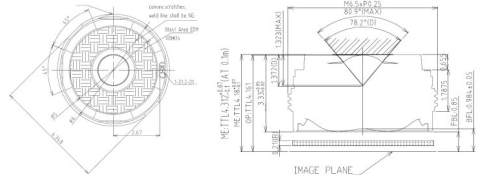
• About UVC

The UB0240 is a UVC-compliant camera. The native UVC drivers of Windows, Linux and Mac shall be compatible with this camera so that it does not require extra drivers to be installed.

• About Customer Service

If you need our help or want to customize other models of USB cameras, feel free to contact us at support@arducam.com

LENS DIAGRAM



QUICK START

• How to download the program

Download the APP AMCap from the following link <https://www.arducam.com/downloads/app/AMCap.exe>

NOTE:

1. If used with the Andriod device, USB Camera APP and connect adapter are needed.
2. For Mac OS, please open the native software facetime and select the video camera "USB Camera" .

• How to connect the camera

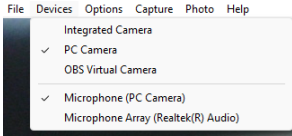
Connect the one end of the USB 2.0 cable to the USB 2.0 connector provided on the back of UB0240, and connect the other end to the USB 2.0 host controller on the computer.

How to use the program (Windows demo only)

The Menu bar at the top of the shown image contains few menu items and the current preview resolution and the frame rate are displayed on the bottom bar when the application is running. The following sections describe each of the menu items

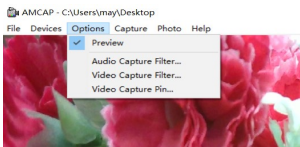
- **Menu>Devices**

This menu will show the available video devices to host PC. The UB0240 named **PC Camera**. This camera supports capturing audio, so you also need to choose **Microphone (PC Camera)**.



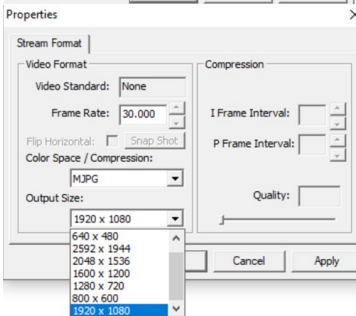
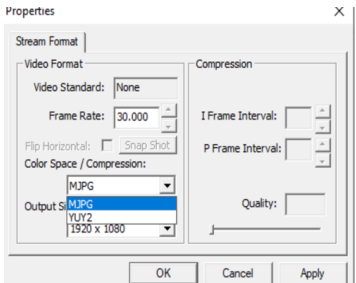
- **Menu>Options**

The options menu can be used to select the preview and audio and image parameters supported by this camera.



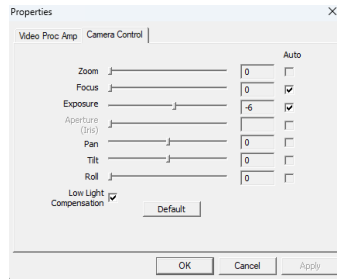
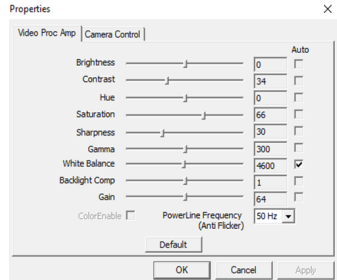
How to use the program (Windows demo only)

- Video Capture Pin



How to use the program (Windows demo only)

- Video Capture Filter -> Video Proc Amp/Camera Control



How to use the program (Windows demo only)

- **Menu> Capture**

The capture menu is used to capture the still image and video by using this application. You can also select the related parameters.

Note: If you want to get the voice from the microphone, you need to select the option "Capture Audio" before capturing video.

