QUICK START GUIDE

DUAL-LENS CAMERA MODULE
For Face Recognition & Biological detection

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 Android device, USB Camera APP and connect adapter are needed.
2. For Mac OS, please open the native software facetime and select the video camera “Camera VR” and “Camera IR”.

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 B0198, and connect the other end to the USB 2.0 host controller on the computer.

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>Devices
This menu will show the available video devices to host PC. The dual-lens camera needs to open two windows of the program at the same time. The IR camera is named Camera IR and the RGB camera is named Camera VR. The single camera can also work alone as your demand.

- Menu>Options
The options menu can be used to select the preview and image parameters supported by this camera. Here takes the RGB camera for example.

SPECS

| Camera & Lens | | |
| | RGB Camera | IR Camera |
| Sensor | 1/2.7” OV2710 | 1/2.7” OV2710 |
| Resolution | 2MP 1920 x 1080 | 2MP 1920 x 1080 |
| Data Format | MJPG/YUY2 | MJPG/YUY2 |
| Frame rate | MJPG 30fps@1080p; YUY2 30fps@640x480 | MJPG 30fps@1080p; YUY2 30fps@640x480 |
| Field of View (FOV) | 95° (D) | 95° (D) |
| Lens Mount | M12 | M12 |
| IR Sensitivity | Visible light only | Infrared light only |

Functionality and Compatibility

Auto Controlled Features
Saturation, Contrast, Acutance, White balance, Exposure.

System Compatibility
Win7/8/10, Linux, Mac and Android with UVC

Power
Power Supply
DC 5V
Working Current
MAX 500mA

Physical
Operating Temp.
-4°F~167°F (-20°C~+75°C)
Case Dimension
54mmx30mm
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 B0198 is a new member of the Arducam’s USB camera family to meet the requirement of application in face recognition and biological detection. The B0198 is a UVC compliant synchronized stereo module. It has two 2MP USB 2.0 camera modules (RGB and IR dual output), and transfers data from one USB cable. This USB camera is based on dual 1/2.7” OmniVision OV2710 image sensors, 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 B0198 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 camera modules, email at support@arducam.com.