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## Overview

This document is a setup guide of LI-M10V-DUAL-USB30 camera.

This current firmware supports below formats and resolutions.

MJPEG: 3840x2160@30fps, 1920x1080@60fps, 1280x720@60fps

YUV: 1920x1080@30fps, 1280x720@30fps

H264: 3840x2160@30fps, 1920x1080@60fps, 1280x720@60fps, 720x480@60fps

## Platform

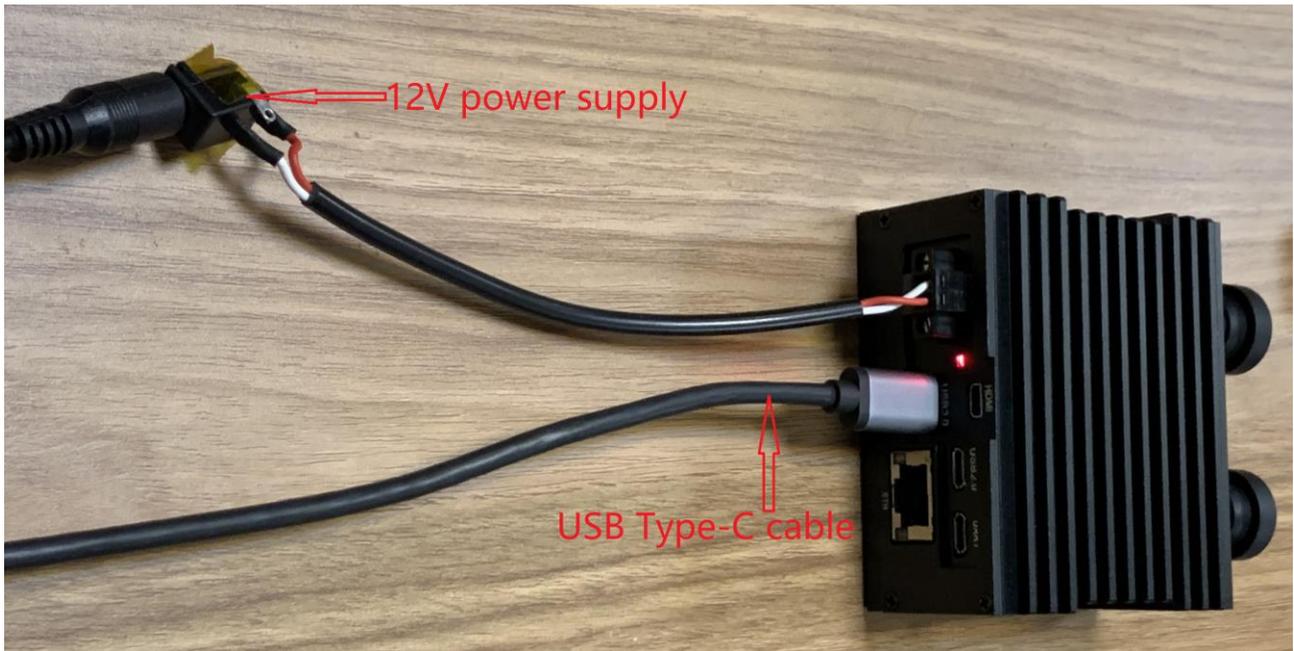
LI-M10V-DUAL-USB30

### Cable

1 x USB 3.0 cable

### Adapter/Carrier Board

1 x 12VDC power supply





## LI-M10V-DUAL-USB30\_setup\_guide\_20200902

Revision	SVN version	Release Date	Author	Tested By
2020_09_02		09/02/2020		Jiaxuan Shen
<b>Updates</b>				
2020_09_02: First release.				
<b>Known bugs</b>				
<ol style="list-style-type: none"><li>1. The frame rate is 30fps, but the AMCap only displays around 16fps.</li><li>2. Unstable issue when switching formats or resolutions.</li></ol>				



## Run Camera 1/3

### 1. Open the video via AMCap on Windows OS

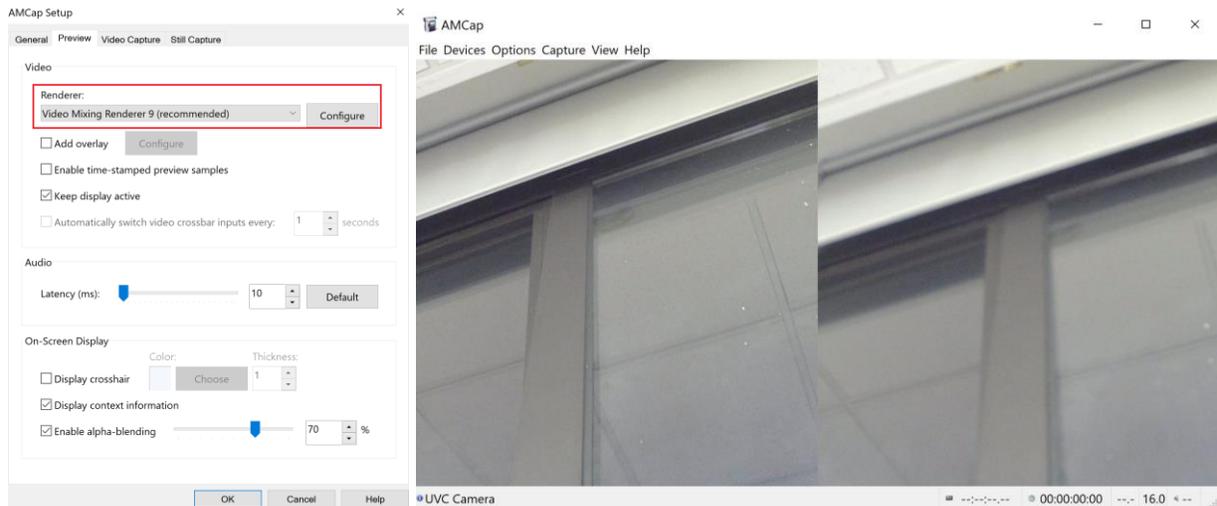
1) Please download the AMcap from link below and install it to your Windows PC.

<http://noeld.com/programs.asp?cat=video>

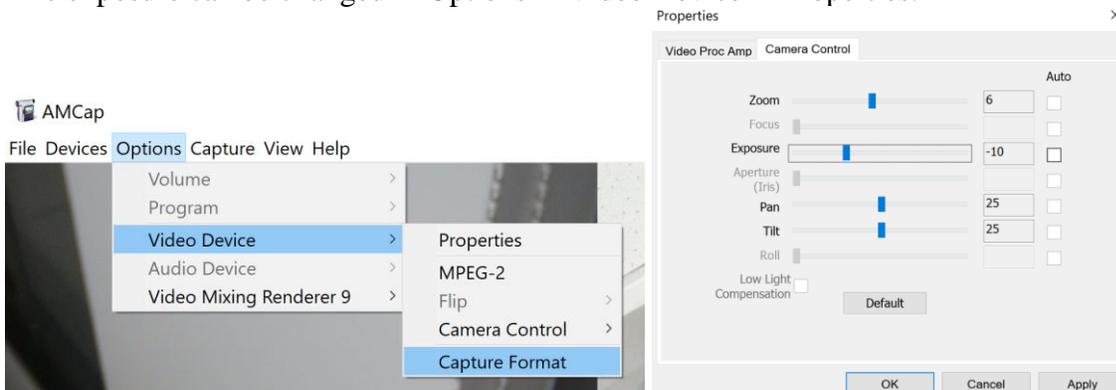
2) Plug in 12V power supply. It may take around 20 seconds for bootup. Then you will see “UVC Camera” on Device Manager.



3) Plug in USB cable to PC (USB3.0 port) and open AMcap. If there is no video output, please set the Renderer as below in Capture → Setup. You will be able to get video output.



The format and resolution can be changed in Options → Video Device → Capture Format.  
The exposure can be changed in Options → Video Device → Properties.



Note: The frame rate of 3840x2160 cannot be reach 30fps on AMcap.



## Run Camera 2/3

### 2. Open the video via PotPlayer on Windows OS

1) Please download the AMcap from link below and install it to your Windows PC.

<https://www.dropbox.com/s/9xyg5wvaxgyhyff/PotPlayerSetup64.exe?dl=0>

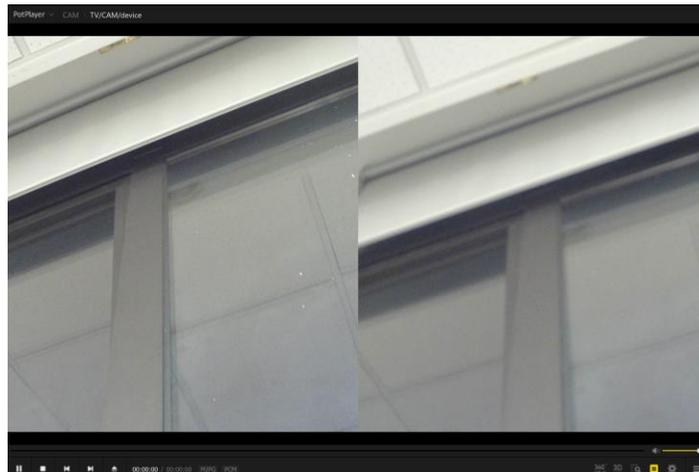
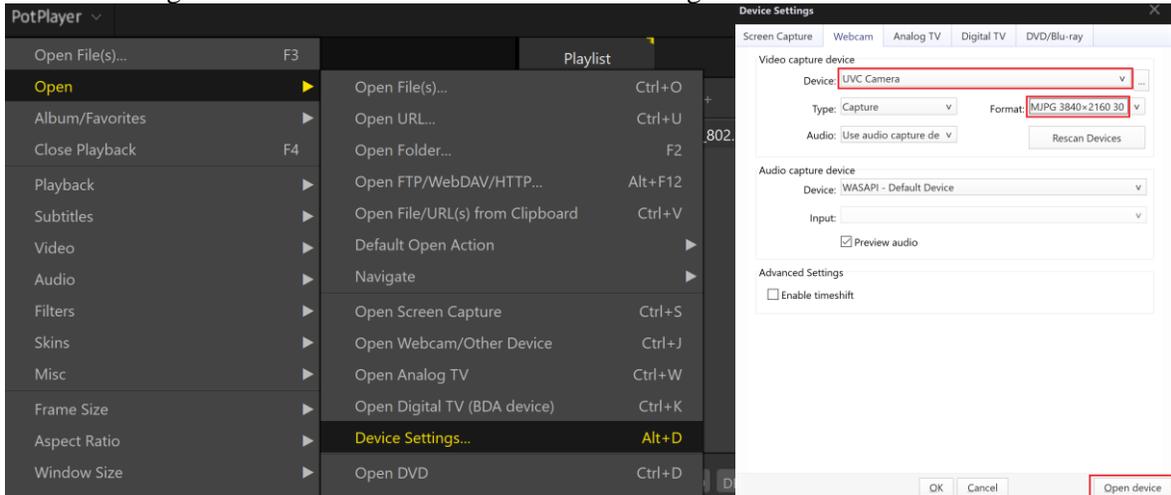
2) Plug in 12V power supply. It may take around 20 seconds for bootup. Then you will see “UVC Camera” on Device Manager.



3) Plug in USB cable to PC (USB3.0 port) and open PotPlayer.

Then click PotPlayer → Open → Device Settings... In Device Settings window, set the “Device” and “Format” as below. Ten click “Open Device”. You will get video output.

You can change the format and resolution in Device settings window → Format.





## Run Camera 3/3

### 3. Open the video via Gvuvview on Linux OS

- 1) Normally, the guvview software can be downloaded with below command on Linux OS.

```
sudo apt-get update  
sudo apt-get install guvview
```

Or you can also download the guvview source code from link below.

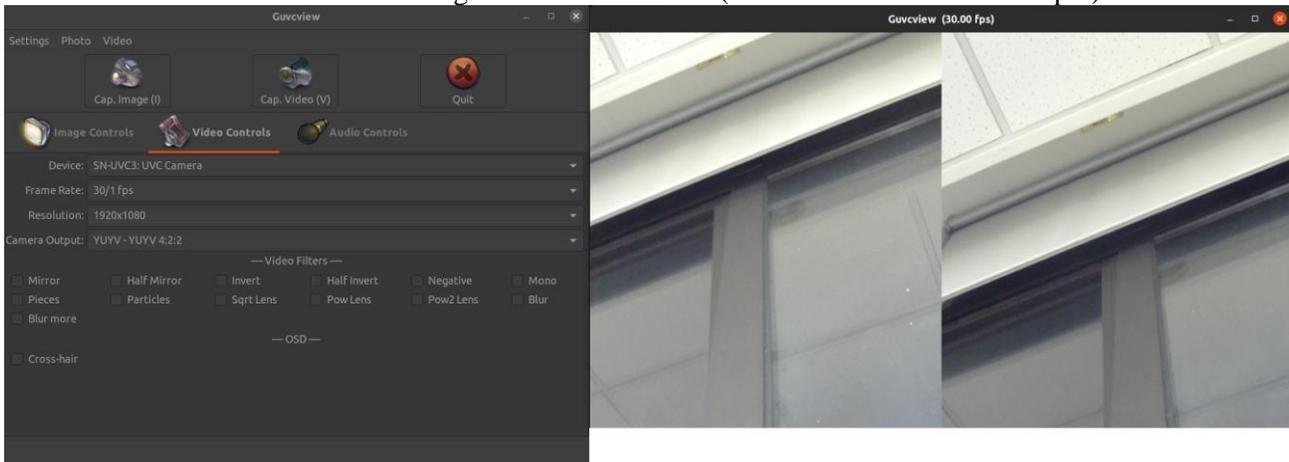
<https://sourceforge.net/projects/guvview/files/source/>

- 2) Plug in 12V power supply. It may take around 20 seconds for bootup. If you see one more video# device under /dev. You can use below command to open the video. For example, the USB3.0 camera is video0.

```
guvview -d /dev/video0
```

Note: If the USB 3.0 camera is video1, please use “guvview -d /dev/video1”.

The format and resolution can be changed in Guvview GUI (Resolution and Camera Output).



Note: The LI-M10V-DUAL-USB30 is a UVC camera, and it can also work with other video software.