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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.

MJPG: 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	Adapter/Carrier Board
1 x USB 3.0 cable	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			
Updates							
2020_09_02: First release.							
Known bugs							
 The frame rate is 30fps, but the AMCap only displays around 16fps. Unstable issue when switching formats or resolutions. 							



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. <u>http://noeld.com/programs.asp?cat=video</u>
- 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 \rightarrow Video Device \rightarrow Capture Format. The exposure can be changed in Options \rightarrow Video Device \rightarrow Properties.

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	Audio Device	>	MPEG-2	1	Koll	at			
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			Camera Control	>					
			Capture Format						
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Ru	n Camera 2/3						
2.	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 t Then click PotPlaye "Format" as below.	o PC (U er → Ope Ten clic	SB3.0 port) and open P en→ Device Settings k "Open Device". You y	otPlayer. In Device S will get vide	bettings window, set the "Device" and co output.		
	You can change the PotPlayer ~	format	and resolution in Device	e settings wi	indow → Format. vevice Settings ×		
	Open File(s)	F3	Playlist	1	Screen Capture Webcam Analog TV Digital TV DVD/Blu-ray Video capture device		
	Open		Open File(s)	Ctrl+O +	Device: UVC Camera v		
	Album/Favorites	►	Open URL	Ctrl+U 802.	Type: Capture v Format: MMPG 3840x2160 30 v Audio: Use audio capture de v Rescan Devices		
	Close Playback	F4	Open Folder	F2	Audio capture device		
	Playback	•	Open FTP/WebDAV/HTTP	Alt+F12	Device: WASAPI - Default Device v		
	Subtitles	•	Open File/URL(s) from Clipboard	Ctrl+V	Input V		
	Video		Navigate		Advanced Settings		
	Filters		Onen Screen Canture	Ctrl+S	Enable timeshift		
	Skins		Open Webcam/Other Device	Ctrl+J			
	Misc	•	Open Analog TV	Ctrl+W			
	Frame Size	►	Open Digital TV (BDA device)	Ctrl+K			
	Aspect Ratio		Device Settings	Alt+D			
	Window Size	►	Open DVD	Ctrl+D	or cout		
		_	W		OK Cancel Open device		
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3.	Open the video via Guvcview on Linux OS
1)	Normally, the guvcview software can be downloaded with below command on Linux OS.
	sudo apt-get update sudo apt-get install guvcview
	Or you can also download the guvcview source code from link below. https://sourceforge.net/projects/guvcview/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.
	guvcview -d /dev/video0
No	te: If the USB 3.0 camera is video1, please use "guvcview -d /dev/video1".
Th	e format and resolution can be changed in Guvcview GUI (Resolution and Camera Output).
Settin	Guvcview
8	Cap. Image (I) Cap. Video (V) Quit Image Controls Video Controls Video Controls
	Device: SN-UVC3: UVC Camera
Fra	smeRate: 30/1 fps
Camera	a Output: YUYV-YUYV 422.
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Bl	eces Particles Sqrt Lens Pow Lens Pow2 Lens Blur ur more
Cr	ross-bair

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