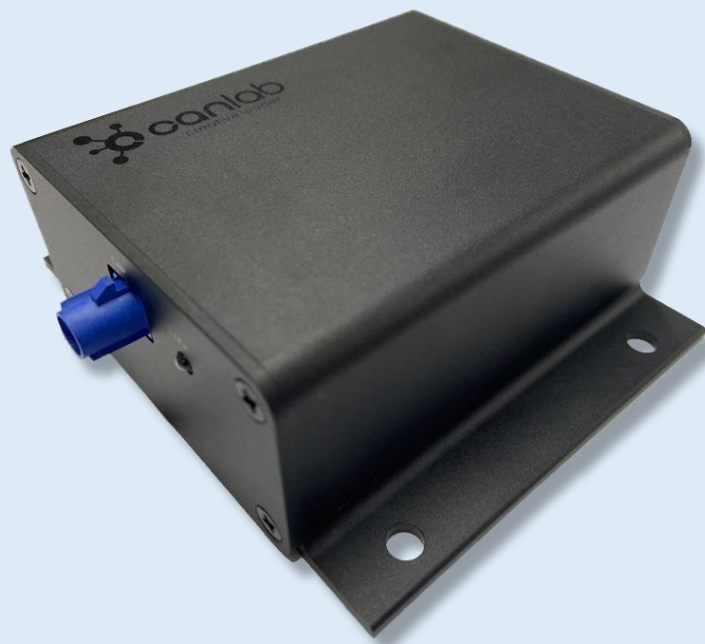


INSTRUCTIONS MANUAL

CLV-200N

Revision : 1.0



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Revision Sheet

Release No.	Date	Revision Description
Rev. 1.0	04/01/21	Initial

1. Introduction

1.1 Product Introduction



- ✓ USB3.0 interface board for Drive PX2 Camera (LVDS)
- ✓ 1Ch Image Converter with USB 3.0
- ✓ Support built-in ISP (AP0202AT – AWB(Auto White Balance) , HDR(High Dynamic Range)
- ✓ Support UVC format
- ✓ Connected camera: Sekonix camera – N2.0 (AR0231)
- ✓ Support Multi-OS (Windows 10, Linux)
- ✓ Applied locking type Power & USB cable with cover case
- ✓ CLV-200N is certified KC(Korea Certification) certification

1.2 Product Specification

Category	Standard	Notes
Model name	CLV-200N	
Size	87.5*101*37(mm)	
Weight	217.5g	
Camera input	LVDS(GMSL)	1CH
Output	UVC	USB 3.0
Input power	DC 12V	
Power consumption	3W (Max)	Including a camera
LED status	POWER LED LOCK LED	
Operating/Storage temperature	-10~60 °C	

2. Components

2.1 Components



CLV-200N

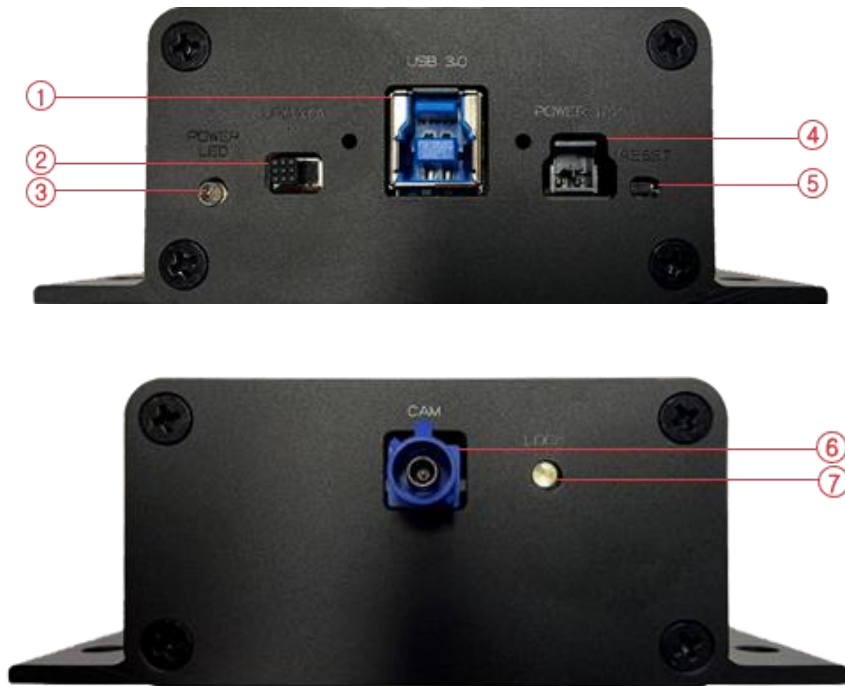


USB 3.0 B Type cable



DC adaptor

2.2 Parts Description



① USB 3.0	Interface to connect to PC
② UPDATA	MAIN PROCESS UPDATE
③ Power	DC Power Input / DC 12V – 24V
④ Power LED	Indicate for Power Status
⑤ Power Reset	Power Reset Button
⑥ Camera Input	Camera Input port
⑦ Lock	Indicate for Sensor connection status

This product can control Camera and ISP by I2C as below.

- High Dynamic Range On/Off
- Auto Exposure On/Off
- Integration Time (if Auto Exposure function is off)
- R G B Control (if Auto Exposure function is off)

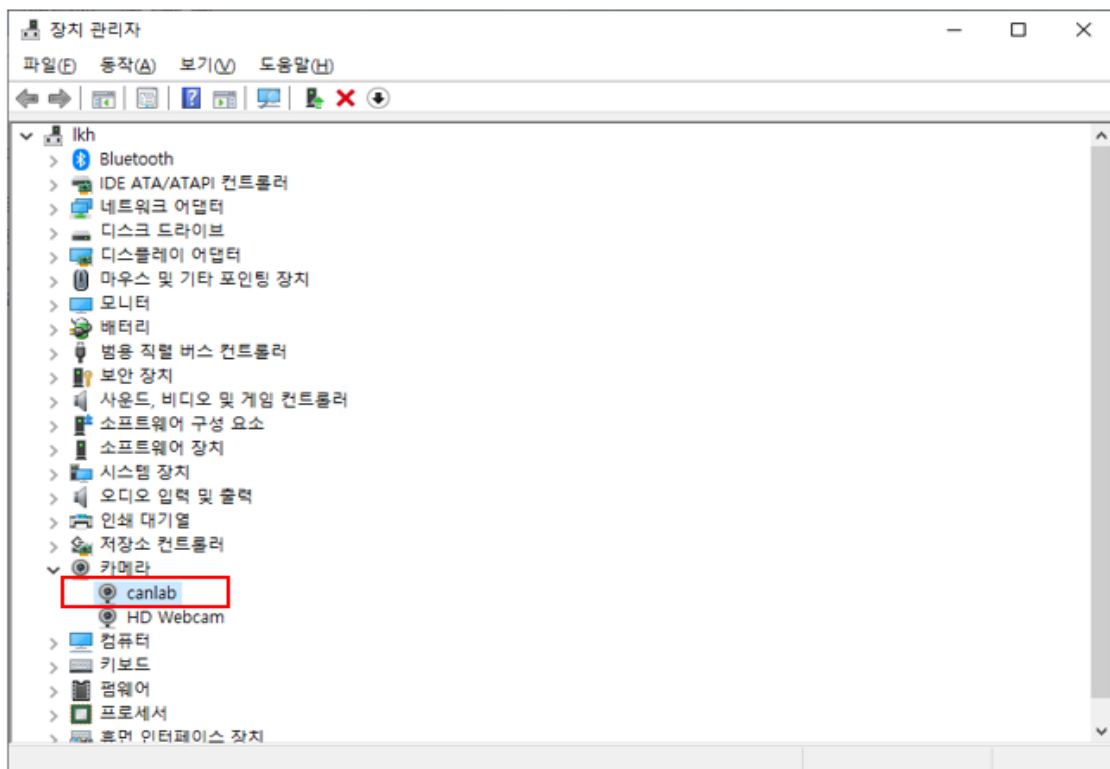
3. Using the product

3.1 Using the product

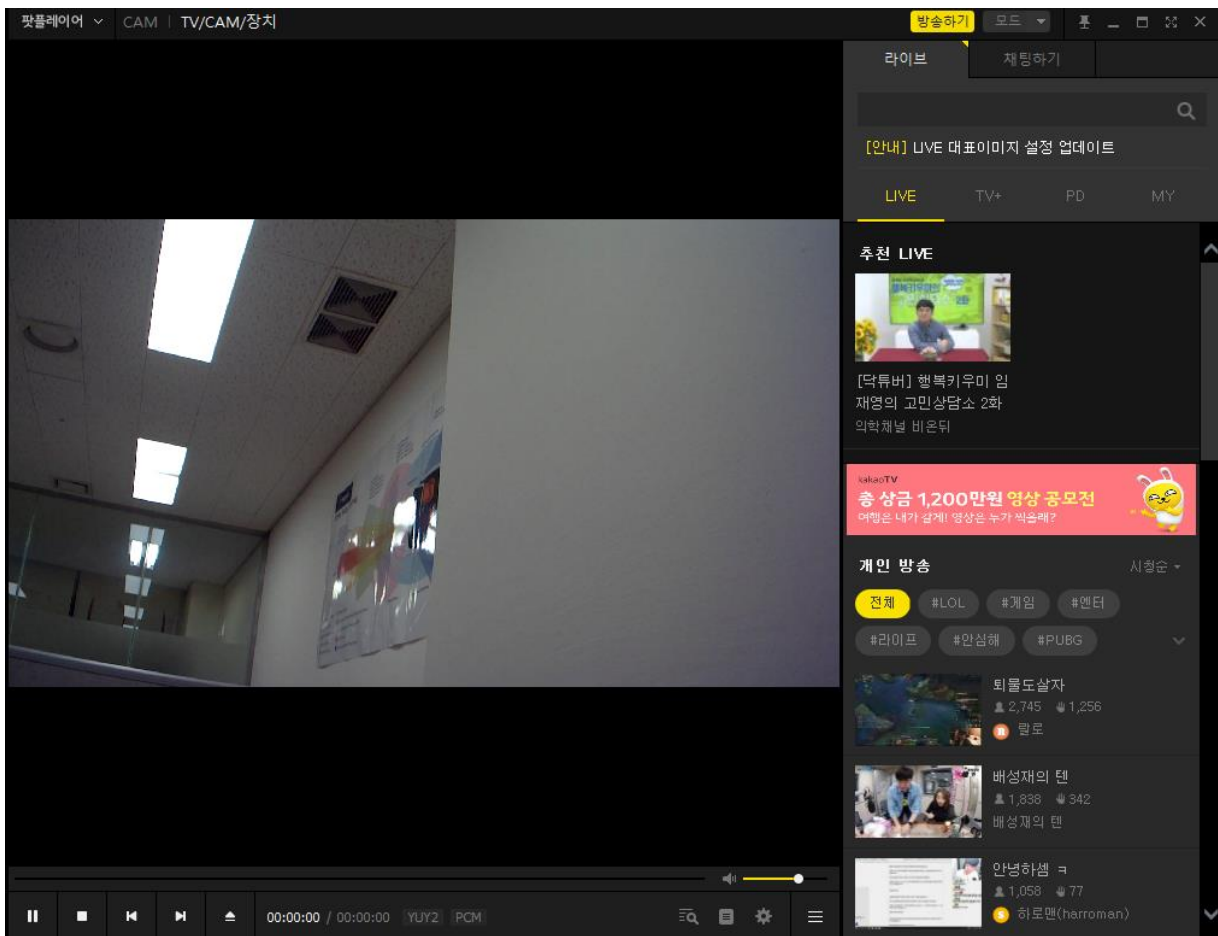
- ① Connect the CLV-200N to your PC using a USB Cable after connecting the Power cable.



- ② Right click MY computer choose the properties and Device Manger, then you can see the canlab.



③ You can see the video with a every player same as pot player.



4. More

4.1 Available Cameras



- Onsemi AR0231 image sensor
- 1928x1208 Resolution (2.3M Pixel)
- Optical format: 1/2.7-inch
- 27MHz clock input
- Analog power supply, from 8V($\pm 10\%$)
- Ultrahigh resolution Lens
- MAXIM-MAX96705 Serializer
- FAKRA Z TYPE Connector
- Waterproof-IP69K
- Dimension-26x26x20.3

Module	Manufacture	CIS	Serializer	CANLAB Item
SF3326-100	SEKONIX	AR0231 RCCB	MAX96705	CLV-200
SF3326-101	SEKONIX	AR0231 RGB	MAX96705	CLV-201
SF3325-100	SEKONIX	AR0231 RCCB	MAX96705	CLV-200
SF3325-101	SEKONIX	AR0231 RGB	MAX96705	CLV-201
SF3324-100	SEKONIX	AR0231 RCCB	MAX96705	CLV-200
SF3324-101	SEKONIX	AR0231 RGB	MAX96705	CLV-201

5. Customer Service

※ Please check FAQ of [CANLAB homepage](#) Before you think it is broken.

5.1 Warranty Service

The warranty period for the product is 6 months from the date of purchase.

We provide services for product failure or abnormalities in normal use environments.

5.2 Product Inquiry

If you have any questions while using the product, please check the Instructions manual again and contact us.


☎ Telephone : +82-70-8869-5426

✉ E-mail : support@can-lab.co.kr

Appendix

KC Authentication Certificate

79EA-3951-6196-A5E4

방송통신기자재등의 적합등록 필증 <i>Registration of Broadcasting and Communication Equipments</i>	
상호 또는 성명 <i>Trade Name or Registrant</i>	주식회사 캔랩
기자재명칭(제품명칭) <i>Equipment Name</i>	CLV-200N
기기부호/추가 기기부호 <i>Equipment code /Additional Equipment code</i>	VDO31
기본모델명 <i>Basic Model Number</i>	CLV-200N
과생모델명 <i>Series Model Number</i>	
등록번호 <i>Registration No.</i>	R-R-cLb-CLV-200N
제조사/제조국가 <i>Manufacturer/Country of Origin</i>	주식회사 캔랩 / 한국
등록연월일 <i>Date of Registration</i>	2020-12-16
기타 <i>Others</i>	
<p>위 기자재는 「전파법」 제58조의2 제3항에 따라 등록되었음을 증명합니다. It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act.</p> <p style="text-align: right;">2020년(Year) 12월(Month) 16일(Day)</p> <p style="text-align: center;">국립전파연구원장 </p> <p style="text-align: center;"><i>Director General of National Radio Research Agency</i></p> <p style="text-align: center; color: red;">※ 적합등록 방송통신기자재는 반드시 "적합성평가표시" 를 부착하여 유통하여야 합니다. 위반시 과태료 처분 및 등록이 취소될 수 있습니다.</p>	

