# **VISCA** Camera Control Unit & Software







SW for Mac

# Operation Guide



#### CAUTION

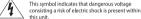
RISK OF ELECTRIC SHOCK. DO NOT OPEN.



#### CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

### Warning





#### Precaution

This exclamation point symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

# Warning

To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

- Be sure to use only the standard cable that is specified in the specification sheet. Using any other cable or pin layout could cause fire, electrical shock, or damage to the product.
- 2. Incorrectly connecting the cable or opening the housing may cause explosion, fire, electric shock, or damage to the product.
- 3. Do not connect external power source to the product.
- 4. When connecting VISCA cable, fasten it securely and firmly. A falling unit may cause personal injury.
- Do not place conductive objects (e.g screw drivers, coins, metal items, etc.) or containers filled with water on top of the device. Doing so may cause personal injury due to fire, electric shock, or falling objects.



- 6. Do not install the device in humid, dusty, or sooty locations. Doing so may cause fire or electric shock.
- 7. If any unusual smells or smoke come from the unit, stop using the product. Immediately disconnect the power source and contact the service center. Continued use in such a condition may cause fire or electric shock.
- If this product fails to operate normally, contact the nearest service center. Never disassemble or modify this product in any way.
- 9. When cleaning, do not spray water directly onto parts of the product. Doing so may cause fire or electric shock.

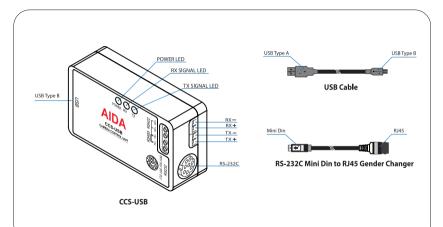
# Precaution

Please read this Operation Guide before installing and using the converter & retain this copy for your reference.

- Always follow the instructions in the operations guide when applying power, Fire and equipment damage can occur
  if power is applied incorrectly. For the correct power input, refer to the specifications page.
- 2. Do not use the device if fumes, smoke or a strange odor is emitted from the device, or if it seems not functional correctly. Disconnect the device from all equipments immediately and consult with your supplier.
- 3. Do not use the device in extreme environments where high temperature or hi humidity exists. Use the device under conditions where temperatures are between 32°F ~ 104°F, and humidity is below 90%.
- 4. To prevent damage, do not drop the device or subject it to strong shock or vibration.



# **CCS-USB**



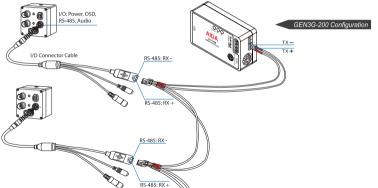
### **FEATURES**

- SONY VISCA Compatible and work with most of major VISCA protocol products.
- Support PELCO Pan / Tilt / Zoom / Focus protocol.
- Control up to 7 VISCA products.
- User friendly software interface.Support RS-232, RS-485, RS-422.
- LICE interfere for any installation
- USB interface for easy installation.
- Windows and MAC OSX compatible.
- Compact and rugged design.

# **Connection: Using RS-485**

# When connecting through RS-485 connection.

• Connect TX+ of CCS-USB to RX+ of GEN3G-200 and TX- of CCS-USB to RX- of GEN3G-200.

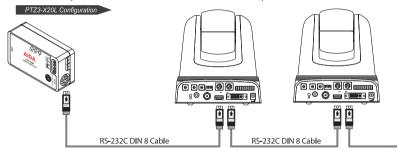


2 Connect another pair of 485 cable to the same connector when connecting multiple cameras.



# When connecting through RS-232 connection.

• Use VISCA 8-pin Din cable to connect CCS-USB to 232 Input.

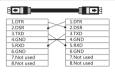


- Use VISCA RS-232C OUT on the camera to connect to RS-232C IN on the next camera. Daisy chaining is up to 7 cameras.
- **3** When using third party cameras, make sure the pin layout before running the RS-232C cable.



### **VISCA IN/OUT**

### RS-232C DIN 8 Cable Pin Assignment



- If you are using PTZ3-X20L, follow the cable pin assign shown in the table.
- If you are using other cameras with RS-232, be sure to check the pin assignment. You may need to customize the cable.

### RS-232C Mini Din to RJ45 Gender Changer Pin Assignment

CCS-USB comes with 8 pin mini Din connector to RJ45 gender changer.
 If you need to customize cable pin assignment, use CAT5/6 cable to change the cable layout.







2 When using the gender changer in pairs, make sure to use crossover cable.











#### Download Software.

MAC version of AIDA CCS is available on AIDA website.

Download software from www.aidaimaaina.com under support page.

#### Oriver Installation.

Most of recent MAC has built-in driver for CCS-USB.

 $If your \, \textit{MAC does not recognize CCS-USB, download the driver file from www. aidaimaging. com under support page.} \\$ 

When driver is properly installed, CCS-USB will appear as follow.

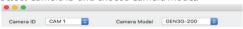


### **Software & Driver: Mac**

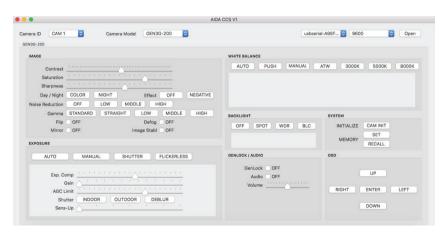
- 3 Launch AIDA CCS-USB software and
- Select CCS-USB device which appears from System Report.



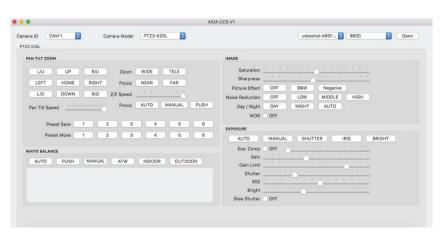
- Select Baudrate. Make sure the selected baudrate matches the baudrate set from the camera.
- 6 Click Open button to initiate communication.
- Select Camera ID and choose Camera Model.



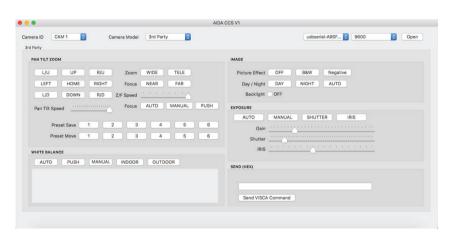
## **GEN3G-200 Interface: Mac**



## PTZ3-X20L Interface: Mac



# Third party interface: Mac



### **Software & Driver: Windows**

### • Download Software.

Windows version of AIDA CCS is available on AIDA website.

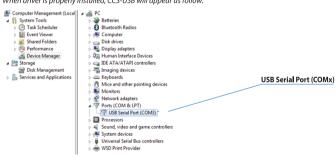
Download software from www.aidaimaging.com under support page.

#### Oriver Installation.

Most of recent Windows has built-in driver for CCS-USB.

If your PC does not recognize CCS-USB, download the driver file from www.aidaimaging.com under support page.

When driver is properly installed, CCS-USB will appear as follow.





## **Software & Driver: Windows**

- Launch AIDA CCS-USB software and
- **4** Select CCS-USB device which appears from Device Manager.



- **6** Select Baudrate. Make sure the selected baudrate matches the baudrate set from the camera.
- **6** Click Open button to initiate communication.
- Click on camera model name below Camera ID to choose between three different camera models.



Once the dropdown menu is open, camera model can be assigned from CAM1 through CAM7.

# GEN3G-200 Interface: Win





## PTZ3-X20L Interface: Win



# Third party interface: Win





# Troubleshooting

- 1. CCS-USB does not control my camera.
  - Make sure driver is installed properly.
- Check if Power LED is on.
- Check Camera ID and Baudrate.
   Check if the connected camera supports VISCA protocol.
- 2. Does CCS-USB require power adaptor?
  - CCS-USB acquires power through USB cable. Additional power is not required.
- 3. How do I control multiple cameras?
  - Daisy chain connection is required to control multiple cameras. Make sure that camera support daisy chain connection.
  - CCS-USB allows up to 7 VISCA devices.
- 4. Can I use AIDA software with other control devices?
  - AIDA software requires CCS-USB to function properly.
- 5. What is the maximum cable distance?
  - RS-232 standard is limited up to 15 m(50 ft). If the cable is longer than the limit, then CCS-USB may not respond properly.
  - $\bullet$  RS-485 standard is limited up to 1,200m(4,000 ft).
- 6. Does CCS-USB work with any VISCA compatible products?
  - Most of VISCA compatible products will work with CCS-USB.



# **AIDA**



#### Disposal of Old Appliances

- When this crossed-out wheel bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
- 2. All electrical and electronic products should be disposed of separately form the municipal waste stream stream in accordance to laws designated by the government or the local authorities.
- 3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
- 4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.



This equipment has been steeted and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is proporated in a commercial environment.

This equipment generates, use, and can adults enable frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications, objection of this expense to a recommendation of the proper of the proper to a resident the interference at his own expense.