

Device: AIDA POV



Introduction

The AIDA UHD6G-X12L and UHD-100 can be controlled through RS-485 by using a Ethernet to Serial connection.

Ethernet to Serial connection

To communicate via serial (RS-485) to the AIDA POV you need an Ethernet-Serial converter. We suggest you get a USR-TCP232-306 from USR IOT -<https://www.pusr.com/products/ethernet-to-serial-converters-usr-tcp232-306.html>

Below you will find screenshots of how to configure the USR-TCP232-306 converter (found on the web interface of the TCP232-306). Notice the IP address of the TCP232-306 (Static IP Address) must match the IP settings of the Marshall CV350-10CX Device Core.

parameter	
Baud Rate:	38400 bps
Data Size:	8 bit
Parity:	None
Stop Bits:	1 bit
Local Port Number:	5000 (0~65535)
Remote Port Number:	8000 (1~65535)
Work Mode:	TCP Server
Remote Server Addr:	192.168.0.48 [192.168.0.48]
RESET:	<input type="checkbox"/>
LINK:	<input checked="" type="checkbox"/>
INDEX:	<input type="checkbox"/>
Similar RFC2217:	<input checked="" type="checkbox"/>

Help

- **HTTPD URL:** Module add GET/POST and HTTP/1.1 in URL automatically according to user's setting.
- **HTTPD Packet Header:** Module add HOST automatically according to user's setting.Add "Content Length" automatically in POST mode.

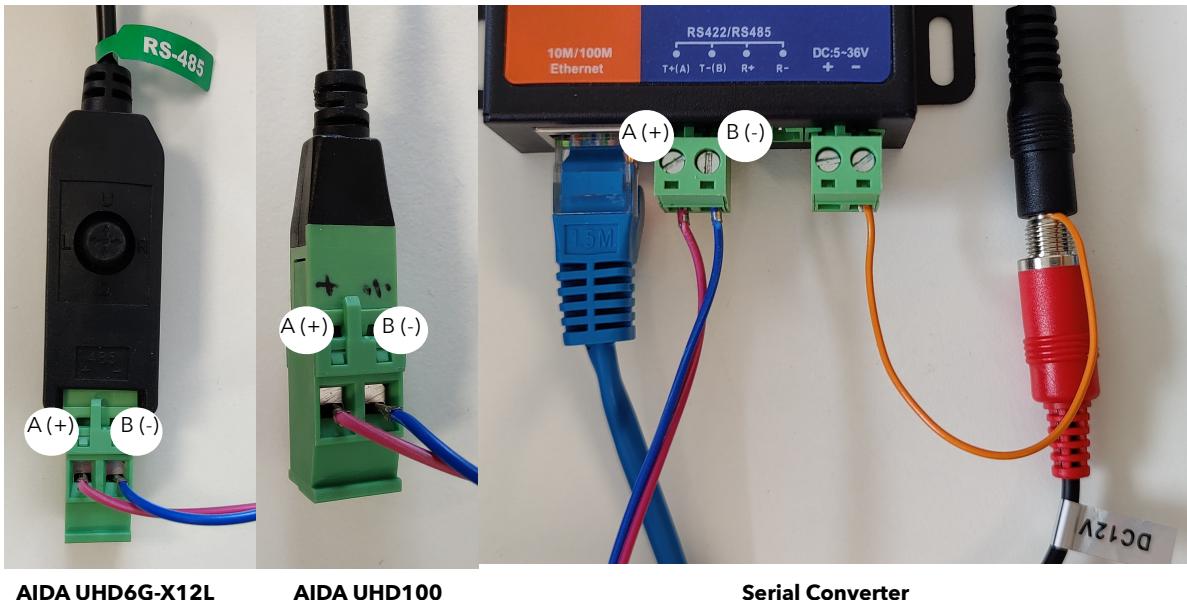
Save Cancel

Copyright © Jinan USR IOT Technology Limited. All Rights Reserved website:www.usriot.com

Please note the Baud Rate set in the serial converter must match the Baud Rate set in the camera.



Wiring to the Camera/Converter



AIDA UHD6G-X12L

AIDA UHD100

Serial Converter

Confirm Connection

The Serial Monitor from the Firmware Application can be used to monitor connection status.

```

SKAARHOJ
Main IP Config Serial Monitor

SKAARHOJ Controller Booting
-----
SK VERSION: master
SK RELEASE: 20200918
SK SERIAL: 434774
Initialized PTE Trace EEPROM handler, saving allowed.
I2C 400 KHz mode activated
*** Init Module XC27 (Inline 22 V2) ***
MAC address: 92:A1:D4:DC:4F:2F
MAC check: OK
IP address: 192.168.10.19
Subnet mask: 255.255.255.0
Gateway: 192.168.10.1
DNS: 192.168.10.1
Boots Count: 129
Uptime: 1 day, 46 minutes
Screens Shared: 0 hours, 0 minutes
Usage State Flags: 11
Compiled: Sep 10 2020 11:15:19
System action: 17
Client connection established to 192.168.10.48:5000
Connecting to 192.168.10.49:5000
System action: 17
VISCAbase: Connection to Camera 1 (0.0.0.0) established, pulling status
[Received block command 0 for camera 1]
System action: 17
Received block command 1 for camera 1
Received block command 2 for camera 1
Couldn't connect to 192.168.10.49:5000
Connecting to 192.168.10.51:5000
Received block command 3 for camera 1
Received block command 4 for camera 1
Couldn't connect to 192.168.10.50:5000
Connecting to 192.168.10.51:5000
189
Couldn't connect to 192.168.10.51:5000
Connecting to 192.168.10.52:5000
Couldn't connect to 192.168.10.52:5000
Connecting to 192.168.10.53:5000
242
Couldn't connect to 192.168.10.53:5000
Connecting to 192.168.10.54:5000
Status received from camera 1
[Received block command 0 for camera 1]
242
242
242
242

```

Connection to the camera has been established when the Serial Monitor reports:

VISCAbase: Connection to cam 1 established, pulling status

Received block command 0 for camera 1

Received block command 1 for camera 1

Received block command 2 for camera 1

Received block command 3 for camera 1

Received block command 4 for camera 1

Status received from camera 1!

Actions

An excerpt of the actions in the Device Core

Please note not all actions are available on all supported models.

```
AIDA UHD6G-X12L: Zoom  
AIDA UHD6G-X12L: Focus  
AIDA UHD6G-X12L: Focus (Binary)  
AIDA UHD6G-X12L: Focus Settings  
AIDA UHD6G-X12L: Exposure Mode  
AIDA UHD6G-X12L: Iris  
AIDA UHD6G-X12L: Shutter  
AIDA UHD6G-X12L: Gain  
AIDA UHD6G-X12L: AE Speed  
AIDA UHD6G-X12L: Ex-Comp. Enable  
AIDA UHD6G-X12L: AE Bright  
AIDA UHD6G-X12L: AE Comp  
AIDA UHD6G-X12L: White Balance  
AIDA UHD6G-X12L: WB One Push  
AIDA UHD6G-X12L: WB R/B Gain  
AIDA UHD6G-X12L: Contrast  
AIDA UHD6G-X12L: Brightness  
AIDA UHD6G-X12L: Saturation  
AIDA UHD6G-X12L: Hue  
AIDA UHD6G-X12L: Auto Saturate  
AIDA UHD6G-X12L: Edge Enhance  
AIDA UHD6G-X12L: Sens Up  
AIDA UHD6G-X12L: Noise Reduction  
AIDA UHD6G-X12L: Gamma Correct  
AIDA UHD6G-X12L: Picture Effect  
AIDA UHD6G-X12L: Flicker Mode  
AIDA UHD6G-X12L: Lens Shading  
AIDA UHD6G-X12L: Day / Night  
AIDA UHD6G-X12L: Special  
AIDA UHD6G-X12L: Image Flip  
AIDA UHD6G-X12L: Menu Display  
AIDA UHD6G-X12L: Menu Control  
AIDA UHD6G-X12L: Black Level  
AIDA UHD6G-X12L: White Level  
AIDA UHD6G-X12L: Audio Mode  
AIDA UHD6G-X12L: Audio Sample Bit Rate  
AIDA UHD6G-X12L: Audio Volume  
AIDA UHD6G-X12L: Camera Group Select  
AIDA UHD6G-X12L: Speed Limit  
AIDA UHD6G-X12L: Camera Select
```