Device: AIDA POV

Introduction

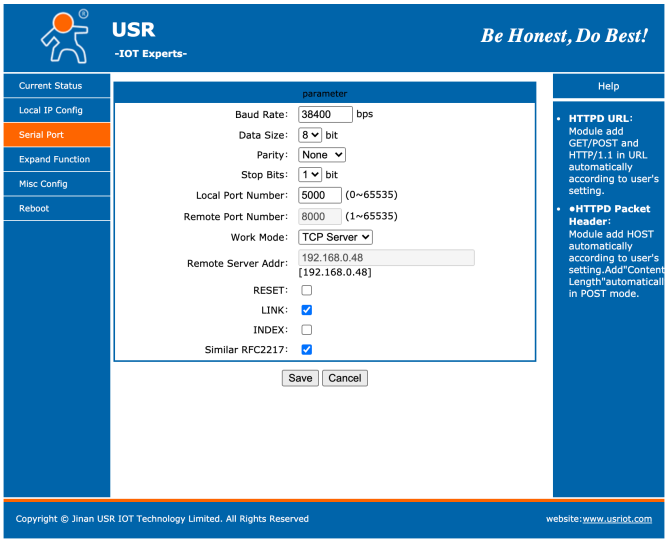
The AIDA UHD6G-X12L and UHD-100 can be controlled though RS-485 by using a Ethernet to Serial connection.

Please note the AIDA POV device cores are listed as Planned though they should be listed as Alpha. If you are unable to find the cores in the Online Configuration, make sure you check the box next to Planned.

Ethernet to Serial connection

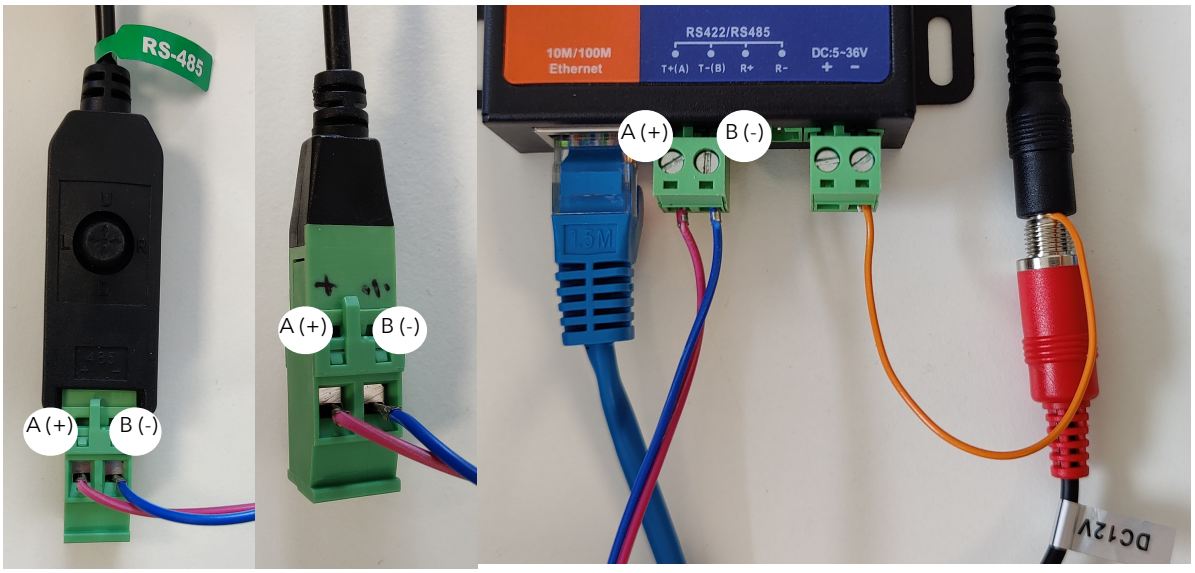
To communicate via serial (RS-485) to the AIDA POV you need an Ethernet-Serial converter. We suggest you get a USR-TCP232-306 from USR IOT -https://www.pusr.com/products/ethernet-to-serial-converters-usr-tcp232-306.html

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.



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

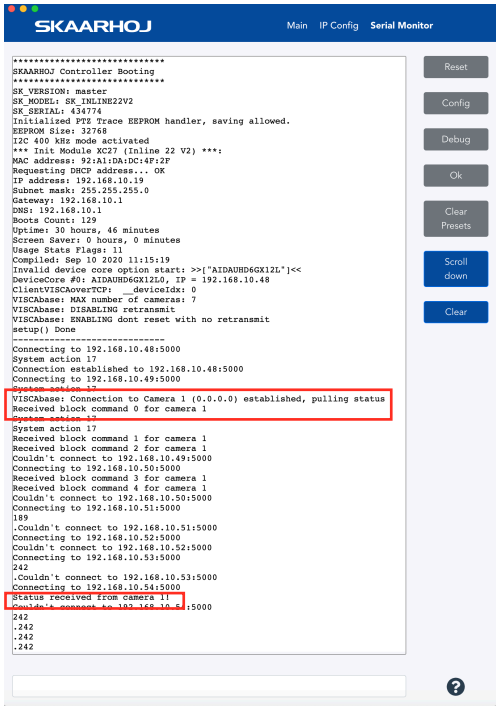
Wiring to the Camera/Converter



AIDA UHD6G-X12L **AIDA UHD100** **Serial Converter**

Confirm Connection

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



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 Cores

AIDA UHD6G-X12L

- 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

AIDA UH-100A

- AIDA UHD-100A: Digital Zoom Position
- AIDA UHD-100A: Exposure Mode
- AIDA UHD-100A: Shutter
- AIDA UHD-100A: Gain
- AIDA UHD-100A: AE Speed
- AIDA UHD-100A: Ex-Comp. Enable
- AIDA UHD-100A: AE Bright
- AIDA UHD-100A: AE Comp
- AIDA UHD-100A: White Balance
- AIDA UHD-100A: WB One Push
- AIDA UHD-100A: WB R/B Gain
- AIDA UHD-100A: Contrast
- AIDA UHD-100A: Brightness
- AIDA UHD-100A: Saturation
- AIDA UHD-100A: Hue
- AIDA UHD-100A: Auto Saturate
- AIDA UHD-100A: Edge Enhance
- AIDA UHD-100A: Sens Up
- AIDA UHD-100A: Noise Reduction
- AIDA UHD-100A: Gamma Correct
- AIDA UHD-100A: Picture Effect
- AIDA UHD-100A: Flicker Mode
- AIDA UHD-100A: Lens Mode
- AIDA UHD-100A: Lens Shading
- AIDA UHD-100A: Day / Night
- AIDA UHD-100A: Special
- AIDA UHD-100A: Image Flip
- AIDA UHD-100A: Menu Display
- AIDA UHD-100A: Menu Control
- AIDA UHD-100A: Black Level
- AIDA UHD-100A: White Level
- AIDA UHD-100A: Camera Group Select
- AIDA UHD-100A: Camera Select