Device: AIDA POV

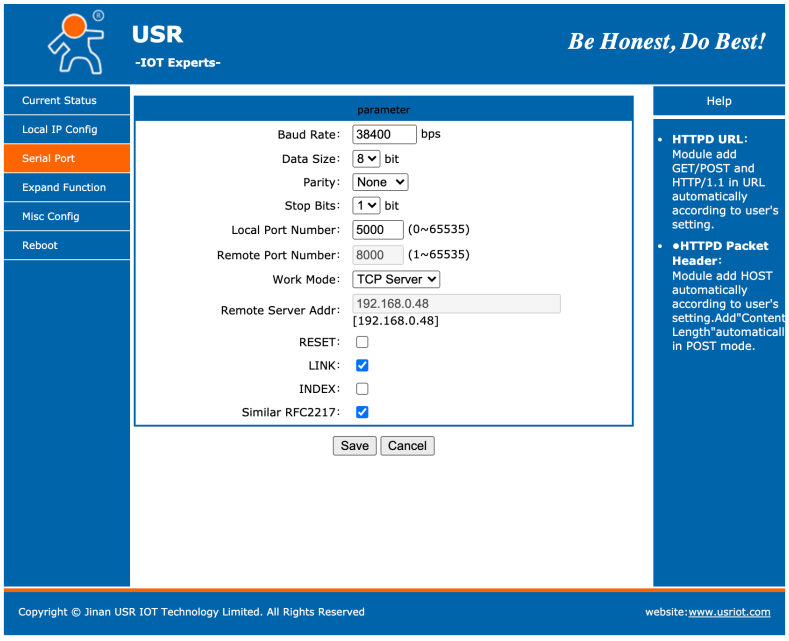
Introduction

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

Ethernet to Serial connection

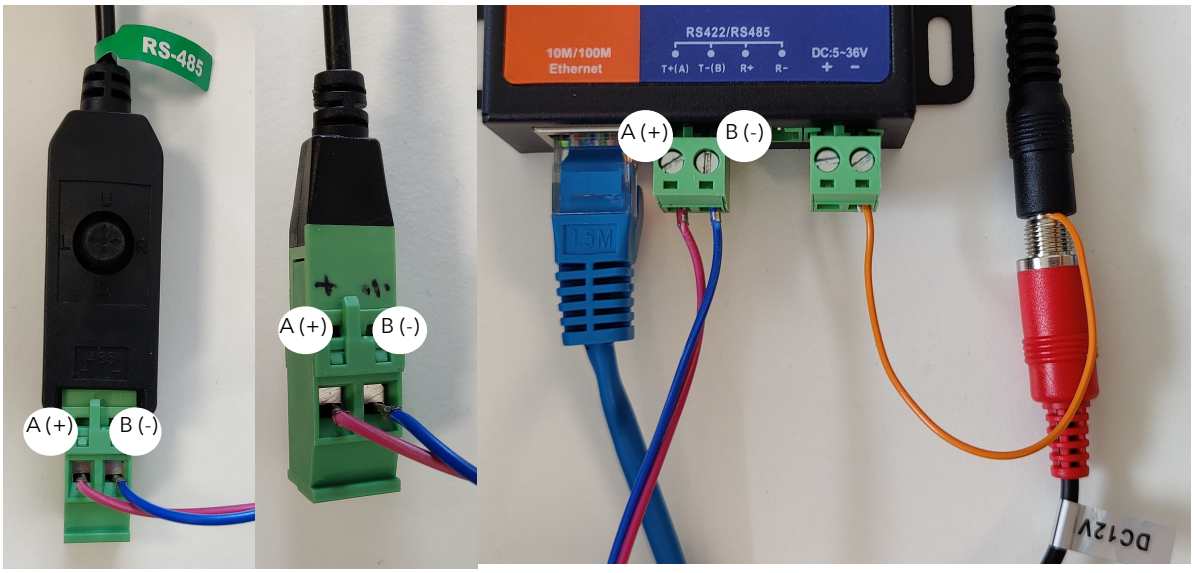
To communicate via serial (RS-485) to the AIDA POV you need an Ethernet-Serial converter. We suggest you get a USR-TCP232-306 from USR IOT -https://www.pusr.com/products/ethernet-to-serial-converters-usr-tcp232-306.html

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.



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

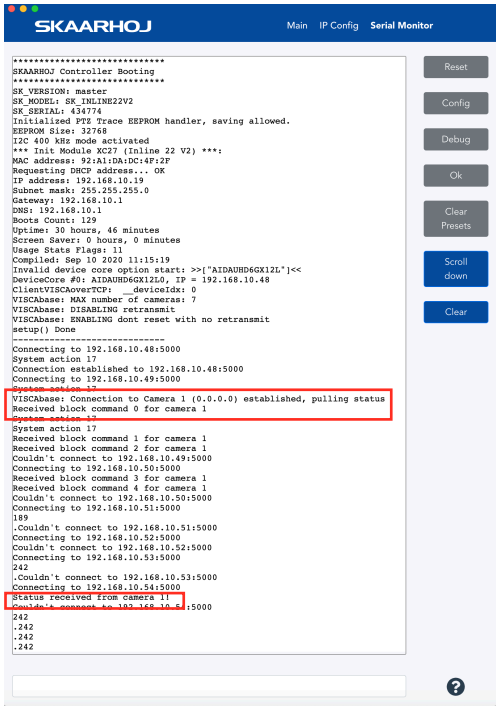
Wiring to the Camera/Converter



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 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