

Device: AJA RovoCam



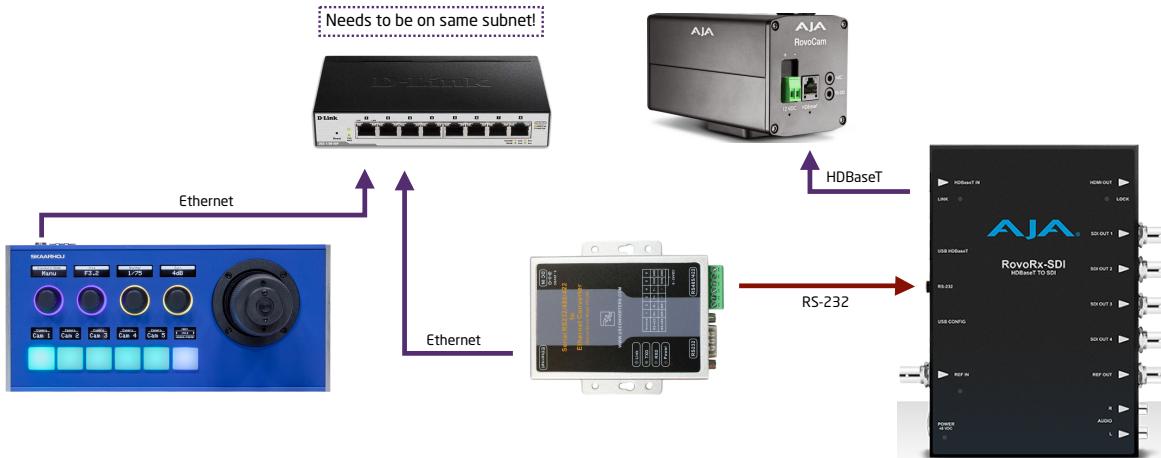
Introduction

The AJA RovoCam can be controlled through RS-232 by using a Ethernet to Serial connection via the RovoRx-xxx

A example is presented here: https://www.youtube.com/watch?v=_7k3AhC4Bv8

Ethernet to Serial connection

To communicate via serial (RS-232) to the AJA RovoCam you need an Ethernet-Serial converter. We suggest you get a XS1200 from US Converters - <http://www.usconverters.com/serial-rs232-device-server>



There is a quirk you should know about: The XS1200 only accepts a single TCP connection at a time and it will take some time to realise if a client disconnected silently before it allows a new connection. In essence this means if the SKAARHOJ controller was connected and is rebooted without disconnecting, the XS1200 Server may not realise this before after some time. Therefore you may need to powercycle it along with the SKAARHOJ controller to make sure it will accept a connection.

Below you will find screenshots of how to configure the XS1200 converter (found of the web interface of the XS1200).

SERIAL TO ETHERNET CONVERTER P/N: XS1200 WWW.USCONVERTERS.COM Ver:3.6.1(18/08)
Logout

Basic **Advance** **Security**

Serial Settings

Device Name	DSM1
Data Baud Rate	9600
Data Bits	8
Data Parity	None
Stop Bits	1
Flow Control	None
Serial Type	RS232

Network Settings

DHCP Client	Disable
Static IP Address	192.168.10.37
Static Subnet Mask	255.255.255.0
Static Default Gateway	192.168.10.1
Static DNS Server	168.95.1.1
Connection Type	TCP
Transmit Timer	100 Please enter an integer between 10~65535 ms
Server/Client Mode	Server
Server Listening Port	5000 Please enter an integer between 1~65535
Client Destination Host Name/IP	192.168.2.2 Please enter host name or IP address
Client Destination Port	5000 Please enter an integer between 1~65535

Apply Cancel Reboot Restore default

Make sure to set up an IP address + Subnet Mask in your range here. The IP address set on the XS1200 must match the IP address for the AJA RovoCam Device Core. In the above example the IP address set on the XS1200 is 192.168.10.37

Actions

An excerpt of the actions in the Device Core

AJA RovoCam: e-Pan
AJA RovoCam: e-Tilt
AJA RovoCam: e-Pan/Tilt (Binary)
AJA RovoCam: Zoom
AJA RovoCam: Zoom (Binary)
AJA RovoCam: e-PanTilt Enable
AJA RovoCam: Focus One Push
AJA RovoCam: PT Limit (Planned)
AJA RovoCam: Focus Settings
AJA RovoCam: Zoom Settings
AJA RovoCam: Exposure Mode
AJA RovoCam: Iris
AJA RovoCam: Shutter
AJA RovoCam: Gain
AJA RovoCam: Ex-Comp. Enable
AJA RovoCam: Ex-Comp. Level
AJA RovoCam: AE Comp
AJA RovoCam: White Balance
AJA RovoCam: WB One Push
AJA RovoCam: WB R/B Gain
AJA RovoCam: Preset
AJA RovoCam: Preset Drive
AJA RovoCam: PTZ Cruise Control
AJA RovoCam: PTZ Trace
AJA RovoCam: Speed Limit
AJA RovoCam: Auto Shift level
AJA RovoCam: Camera Select