Device: Sony SRG 300

Introduction

A large number of parameters can be controlled on the Sony SRG 300cameras.

This integration was done using Sony SRG 300 software version 1.0.

Please see the "PTZ Manual" at https://www.skaarhoj.com/support/manuals/ to learn more about PTZ control in general from SKAARHOJ controllers and in particular network recommendations.

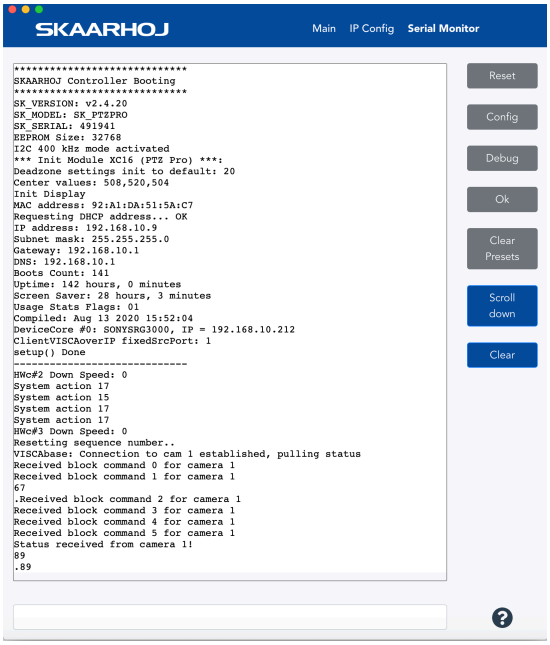
In this manual it is worth noticing that one should not add *additional* Device Cores to control multiple cameras. This is possible from the same Device Core but proper steps should be ensured (consecutive IP addresses on the cameras) for a good user experience.

Number of Cameras possible to control

Please notice from the Sony SRG 300 Device Core it is possible to control up 7 cameras. In general this is the limit for our VISCA over IP Device Cores and our integration have not been tested above 7 cameras. If you want to control more than 7 cameras you will need to add an additional Device Core and configure the controller accordingly. None of our default configuration utilities 2 x Sony SRG 300 Device Cores. As we have never tested with more than 7 cameras, we do not know how performance and stability will be in such a configuration setup. We recommend only having 1 x Sony SRG 300 Device Core installed per controller.

Confirm Connection

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



Device Configurations

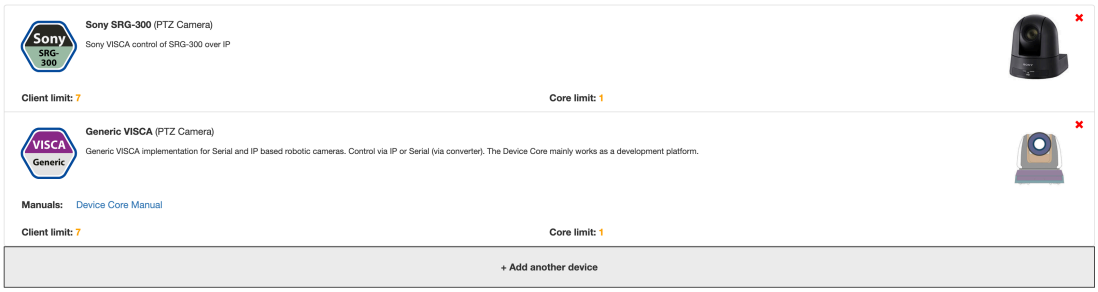
Device configuration options exist:

- Index 0: **VISCA over IP/Serial**
  - If "1" = VISCA over Serial

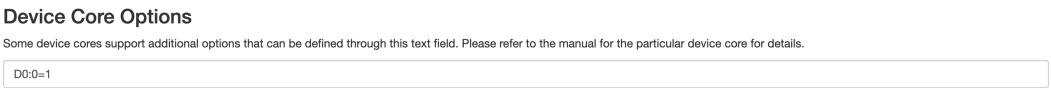
Example:

Enabling VISCA over serial could look like this device configuration code: "D0:0=1" where the general form would be "Dx:y=z" where "x" is the number of the device core as installed on the controller (starting with zero for the first device core), "y" the index number and "z" the value for that index.

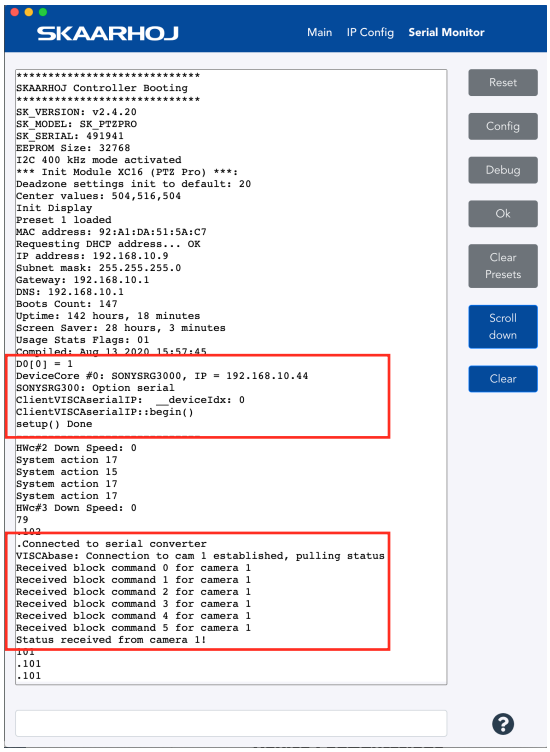
If the Sony SRG-300 Device Core is the first like below:



Setting VISCA over serial would be set by this configuration under "Manage Media" on the configuration page for your controller. Access this by pressing "Online Configuration" in the Firmware Application. Remember to save on the configuration page *and* press "Check for updates" in the Firmware Application.



To confirm that a device configuration is in fact detected by the controller, please check it out on the serial monitor where it will be mentioned:



Dip Switches

There are multiple dip switches on the bottom of the JVC KY-PZ100 to control connection via IP or Serial.

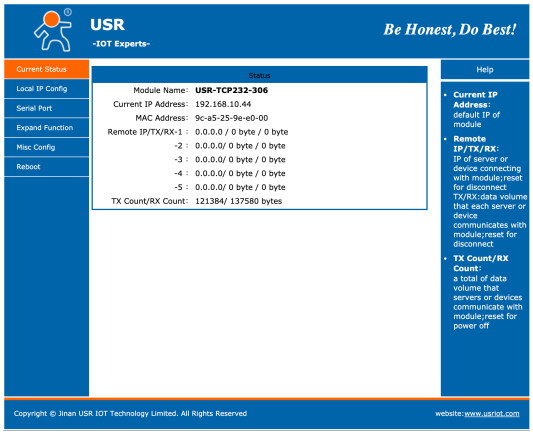
Switch	LAN	VISCA
1	On	Off
2	Off	Off
3	Off	Off
4	Off	Off
5-8	Off	Off

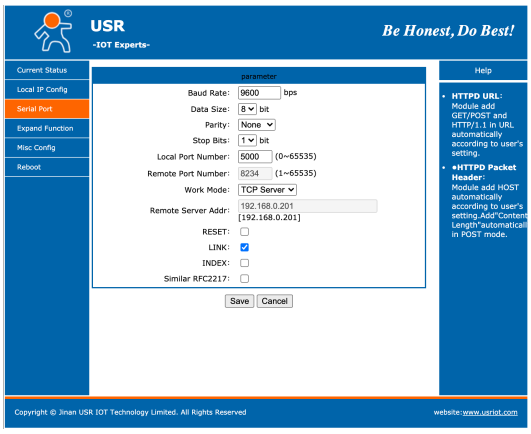
Ethernet to Serial connection

To communicate via serial (RS-232C) to the Sony SRG-300 camera 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 of the web interface of the USR-TCP232-306). Notice the IP address of the USR-TCP232-306 (Static IP Address) must match the IP settings of the SRG-300 Device Core.

In the settings below the Baud Rate is set to 9600 and Serial Type to RS232. The camera must match these settings.





Actions

An excerpt of the actions in the Device Core

coming soon