

## Device: ARC360 PTZ CAMERA



### Introduction

The Agile ARC360 PTZ Camera Device is still in Beta and only a few selected actions are working. The Device Core is work in progress and improvements are being made.

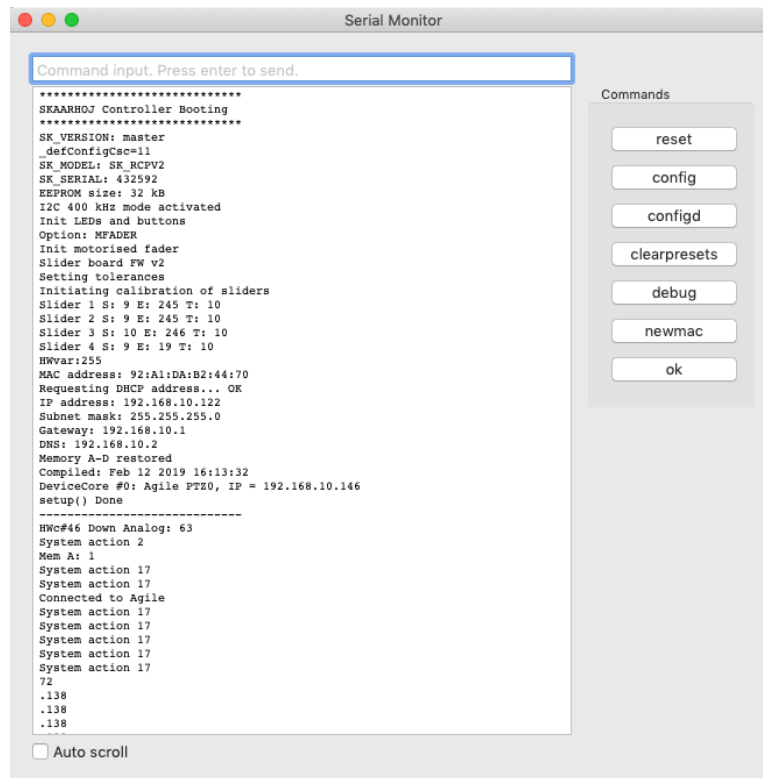
The development have carried out on a camera with software version 1.0.44

<b>Current User:</b>	N/A
<b>Compiler Version:</b>	4.8.3 MPLAB XC32 Compiler v1.44
<b>Harmony Version:</b>	2.05
<b>TCP Stack Version:</b>	7.30
<b>Build Date:</b>	Jan 31 2018 15:42:44
<b>Software Version:</b>	1.0.44

With current integration it is just possible to connect to *one* camera per Device Core.

## SKAARHOJ DEVICE CORES

In order to confirm connection to the camera have been established look for the command "Connected to Agile" in the serial monitor. If no connection have been established the serial monitor will report "Agile timed out".



## Camera Settings

A fixed IP must be set on the camera, and the Agile Device Core must have the same IP address as the camera.

A screenshot of an 'IP Interface Configuration' form. At the top, a red banner contains the text: 'CAUTION: Incorrect settings may cause the camera to lose network connectivity. Recovery options will be provided on the next page.' Below this, a label reads 'Enter the new settings for the network interface below:'. The form contains the following fields:

- MAC Address: d8:80:39:c5:07:b5
- Host Name: ROSETTAV3\_ARC
- Enable DHCP: ☒
- IP Address: 192.168.10.146
- Gateway: 192.168.10.1
- Subnet Mask: 255.255.255.0
- Primary DNS: 192.168.10.2
- Secondary DNS: 0.0.0.0

A 'Save Settings' button is located at the bottom right of the form.

The Port Config must match the settings below. Camera Control Mode set to TCP and the two TCP ports must be enabled. Disable the UDP ports.

### Data Port Configuration

Serial Ports

Port	BAUD	Mode	Rx LED	Tx LED	Enabled
Debug	115200	8N1	Off	Off	<input type="checkbox"/>
Camera	115200	8N1	5	6	<input checked="" type="checkbox"/>
External	115200	8N1	Off	Off	<input type="checkbox"/>

UDP Ports

Port	Remote IP	Remote Port	Local Port	Tx Delay (mS)	Rx LED	Tx LED	Enabled
Control	0.0.0.0	8761	8761	5	7	8	<input type="checkbox"/>
Debug	0.0.0.0	8762	8762	0	Off	Off	<input type="checkbox"/>

TCP Ports

Port	Remote IP	Local Port	Tx Delay (mS)	Rx LED	Tx LED	Enabled
Control	192.168.10.122	8761	5	Off	Off	<input checked="" type="checkbox"/>
Debug	0.0.0.0	8762	5	Off	Off	<input checked="" type="checkbox"/>

Other

Camera Control Mode

TCP

Save All Settings

## Actions

Currently, Pan, Tilt, Zoom (notice are currently assigned to pan/tilt), Focus, Focus One Push, Exposure Mode, Iris, Sensor Gain, Shutter IR, AWB Mode, AWB Exec and Gain are implemented.