

Device: Vaddio RoboSHOT



Introduction

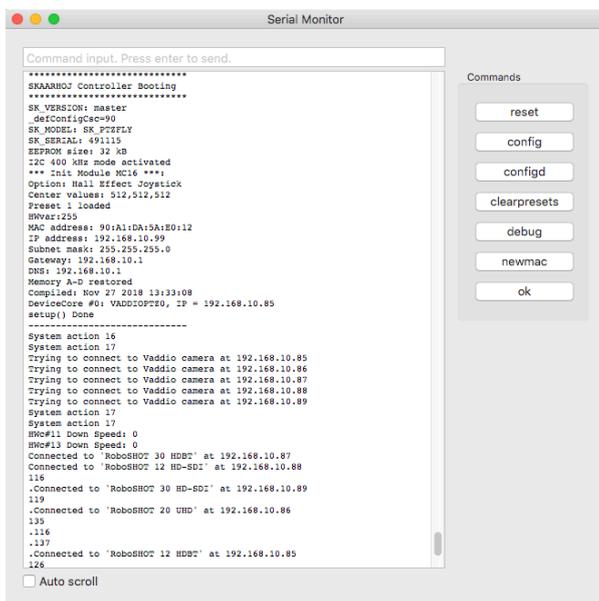
The Vaddio RoboSHOT series is possible to control via IP from any SKAARHOJ UniSketch OS based control surface. From the Vaddio RoboSHOT Device core it is possible to control up to 8 cameras. The integration have been done on the Vaddio:

- **RoboSHOT 12 HD-SDI**
- **RoboSHOT 12 HDMI**
- **RoboSHOT 30 HD-SDI**
- **RoboSHOT 30 HDMI**
- **RoboSHOT 12 HDBT**
- **RoboSHOT 30 HDBT**
- **RoboSHOT 20 UHD**
- **RoboSHOT 40 UHD**
- **RoboSHOT 30E NDI**

And is known to work on these specific models. For other models the Device Core should work as well, but specific settings such as adjusting iris might not be possible as these differs from model to model. The integration have similarities with our other PTZ Device Cores as to configuration.

Please Note: We have noticed when using the RobotSHOT 40 UHD with Vaddio firmware RoboSHOT UHD and RoboFLIP Firmware Update 2.3.0 there is instability in the connection. Please use the RoboSHOT 40 UHD 1.0.1 firmware available with the Vaddio Deployment Tool.

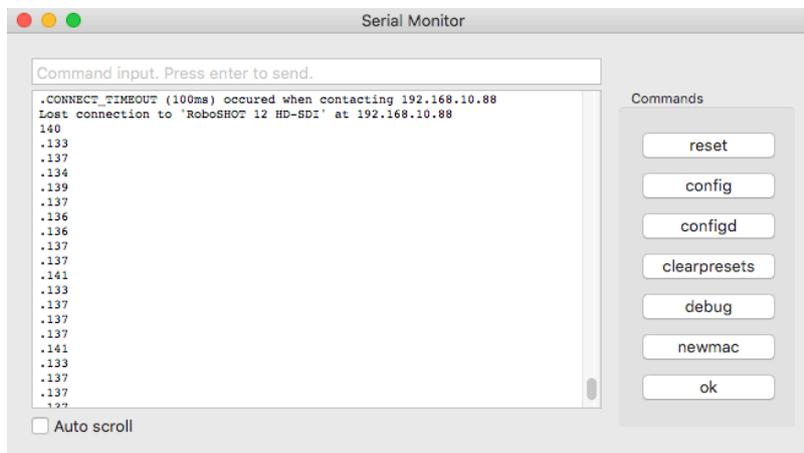
When a camera is connected to a controller the serial monitor will state something like "Connected to 'RoboSHOT 30 HDBT' at 192.168.10.87".



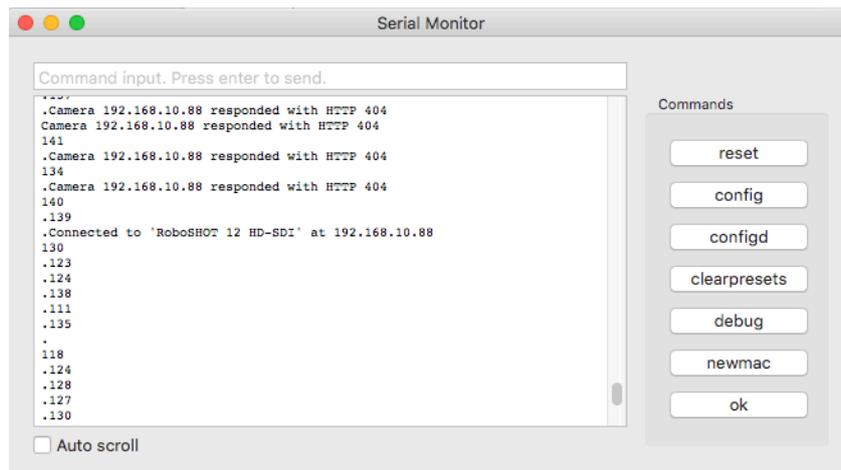
If a camera is disconnected the serial monitor will report:

.CONNECT_TIMEOUT(100ms) occurred when contacting 192.168.10.88

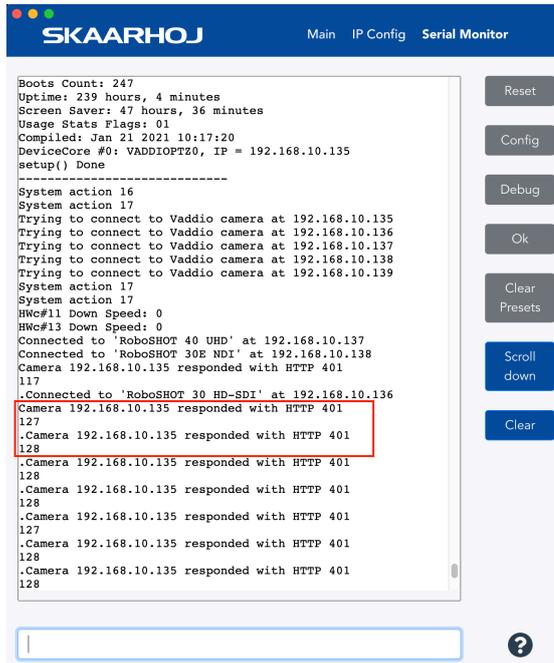
Lost connection to 'RoboSHOT 12 HD-SDI' at 192.168.10.88



If the camera is connected again the serial monitor will state this as well:



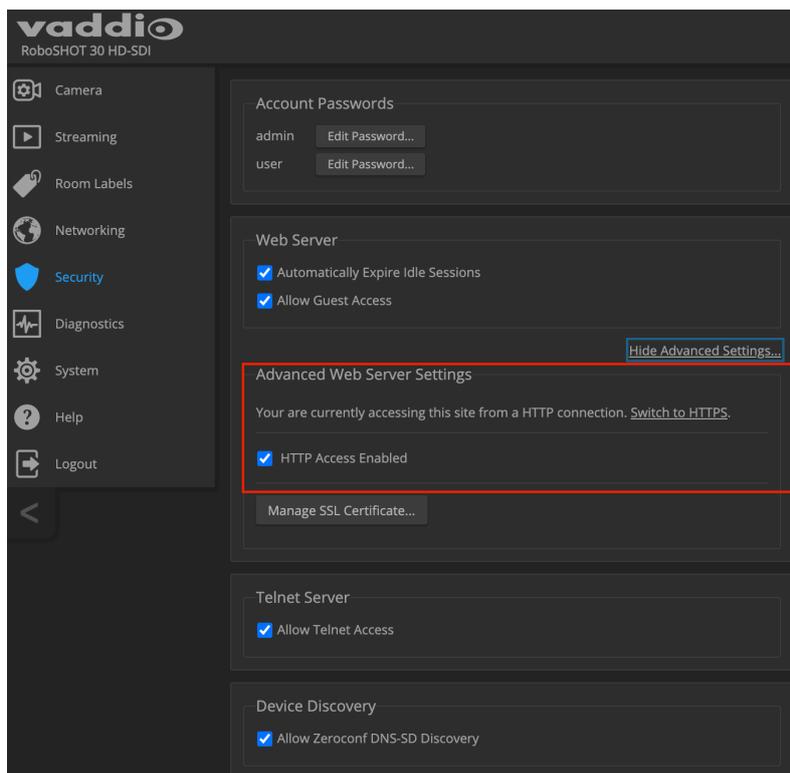
If the serial monitor reports .Camera xxx.xxx.xxx.xxx responded with HTTP 401:



This is an access denied error and can occur for one of two reasons.

Our controller is trying to connect to the camera using the default admin login and password. If you have changed either the name or password, the controller will not connect. Please try resetting the login and password to: admin/password

By default the camera is set to accept HTTPS connection and not HTTP connection. You can enable HTTP access via the camera's web interface under Security/Advanced Web Server Settings.



This is an overview of the actions implemented in the Device Core

- ✓ Vaddio RoboSHOT: Pan
- Vaddio RoboSHOT: Tilt
- Vaddio RoboSHOT: Pan/Tilt
- Vaddio RoboSHOT: Zoom
- Vaddio RoboSHOT: Zoom (Binary)
- Vaddio RoboSHOT: Auto Focus
- Vaddio RoboSHOT: Focus
- Vaddio RoboSHOT: Auto Iris
- Vaddio RoboSHOT: Iris
- Vaddio RoboSHOT: Sensor Gain
- Vaddio RoboSHOT: Auto WB
- Vaddio RoboSHOT: Gain
- Vaddio RoboSHOT: Detail
- Vaddio RoboSHOT: Chroma
- Vaddio RoboSHOT: Gamma
- Vaddio RoboSHOT: Preset
- Vaddio RoboSHOT: Set Tally
- Vaddio RoboSHOT: Wide Dynamic Range
- Vaddio RoboSHOT: Backlight Compensation
- Vaddio RoboSHOT: Audio Mute
- Vaddio RoboSHOT: Standby
- Vaddio RoboSHOT: Speed Limit
- Vaddio RoboSHOT: Camera Select

Some parameters are locked depending on modes of the camera. This is indicated by a small symbol on



the display. This is illustrated below with the "Iris" and "Gain" parameter when "Auto Iris" is on.



You can experience that feedback from the camera is delayed when adjusting a parameter. This can for instance be observed with the "Camera Standby" function where the function can shift between "On" and "Off" when you have adjusted the state. This is due to the processing time from when the command is sent from the panel to when the controller receives a update from the camera.

