

Device: Panasonic AU-EVA1

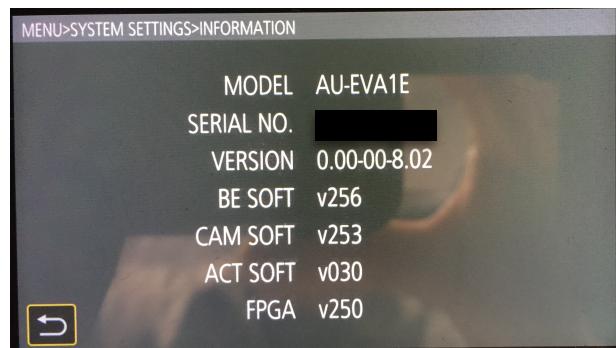


Introduction

The Device Core "Panasonic Cinema Cams" used for controlling the AU-EVA1 camera is still in alpha. The goal of this manual is to help configuring a SKAARHOJ interface to control the limited number of features available in the Device Core at this present time. The implementation is still very much in alpha and communication to the camera is *slow* and somewhat unstable. This is all work in progress.

Setting up Camera

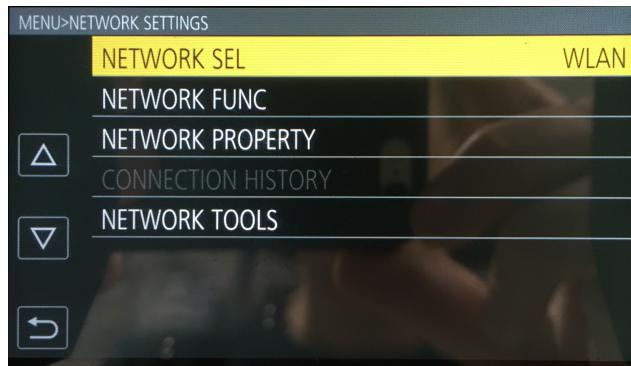
In order to control the camera a USB/Ethernet adapter must be utilized from the USB2.0 HOST port on the camera. All communication between a SKAARHOJ interface and the camera is done via IP. The implementation have been done on version 0.00-00-8.02.



SKAARHOJ DEVICE CORES

A number of actions are required for a SKAARHOJ controller to communicate with the camera. Please follow these procedures in the MENU → NETWORK SETTINGS. The aim of the procedures is to set a **static IP address** on the camera which the SKAARHOJ controller can connect to and to create a **user account** for authentication.

- NETWORK SEL: **WLAN**



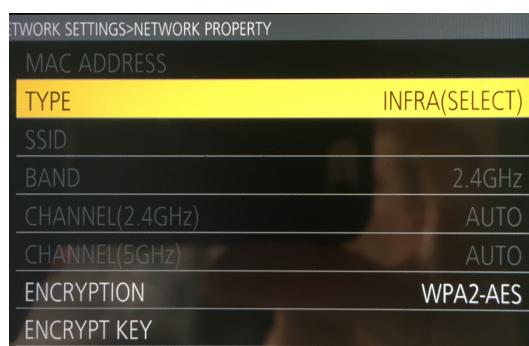
- NETWORK FUNC - add a account

- Account name: **skaarhoj**
- Account password: **12345678**

The first screenshot shows the 'USER ACCOUNT' option selected in the 'NETWORK FUNC' menu. The second screenshot shows a keyboard input screen where the account name 'skaarhoj' is being typed. The third screenshot shows a similar keyboard input screen where the password '*****8' is being typed.

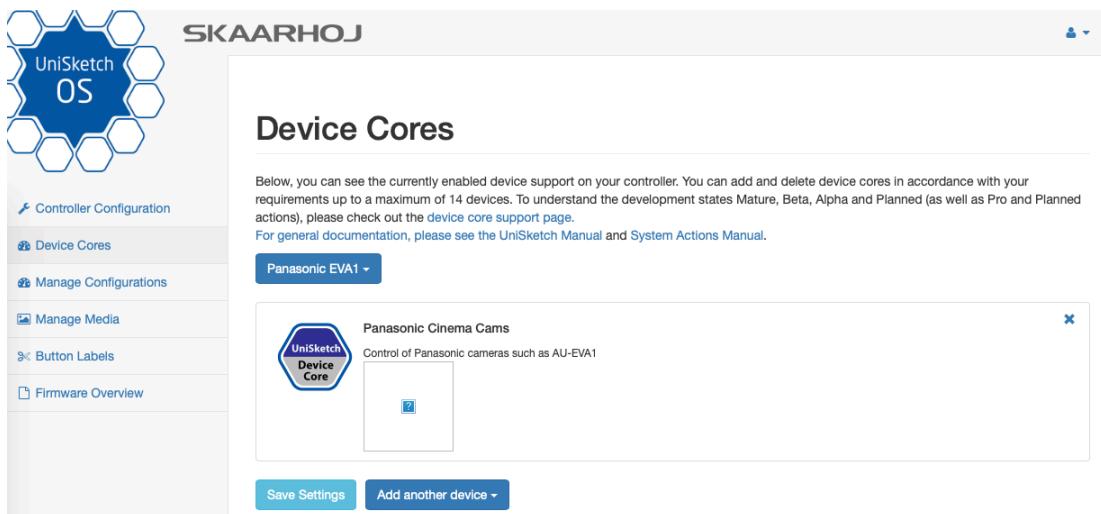
- NETWORK PROPERTY - set static IP

- TYPE: **INFRA(SELECT)**
- DHCP: **OFF**
- IP ADDRESS: **192.168.10.178**
- SUBNET MASK: **255.255.255.0**
- DEFAULT GATEWAY: **192.168.10.1**
- PRIMANRY DNS: **192.168.10.2**



Setting up Controller

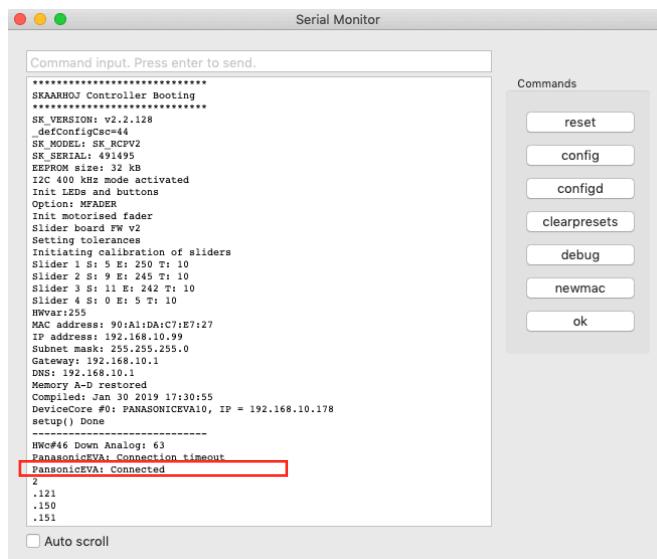
The Device Core "Panasonic Cinema Cams" must be added to your controller



The Device Core *must* have the IP address matching the one set on the camera it self (see "Setting up Camera" section).

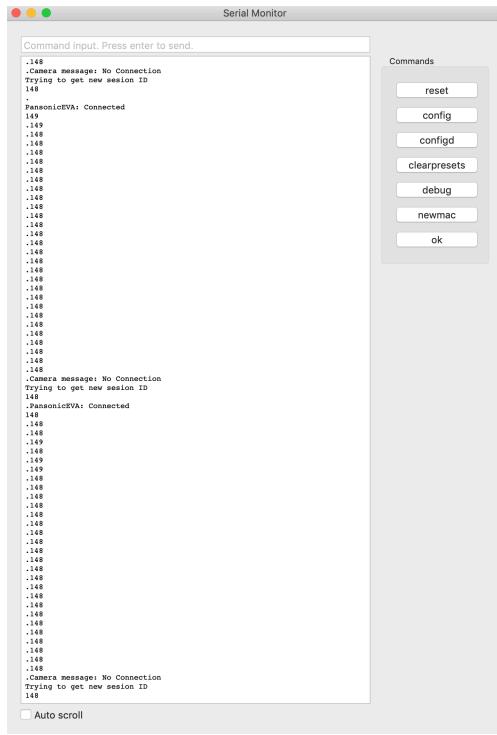
This screenshot displays two overlapping windows. The top window is titled "Devices Settings" and contains sections for "Controller IP Settings" and "Panasonic Cinema Cams". The "Controller IP Settings" section has fields for IP (192.168.10.99), Subnet Mask (255.255.255.0), Gateway (192.168.10.1), and DNS (192.168.10.1). The "Panasonic Cinema Cams" section has a field for IP (192.168.10.178) with a checked checkbox. The bottom window is titled "IP Configuration" and includes fields for IP Address (192.168.10.99), Subnet (255.255.255.0), Gateway (192.168.10.1), DNS (192.168.10.1), and a "Panasonic Cinema Cam" entry with IP 192.168.10.178 and a checked "Enabled" checkbox. A "Save IP Settings" button is at the bottom right.

Connection to the camera can be confirmed from the Serial Monitor with the command: *PanasonicEVA: Connected*

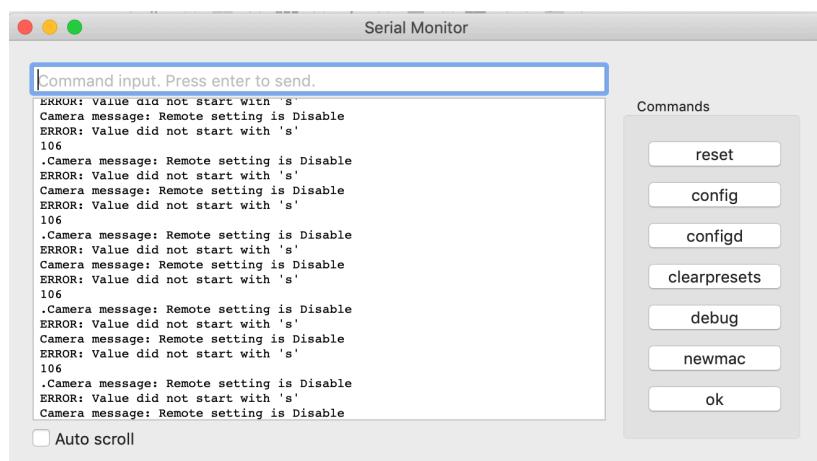


Known Issues

Connection Stability: Once every 15-30 seconds the controller will lose connection to the camera and reconnect. This can potentially lead to a "flash in the displays" on the SKAARHOJ controller.



If authentication have not been properly commended during boot up an error message with "Camera message: Remote setting is Disable" can appear.



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

- Panasonic Cinema Cams: Iris
- Panasonic Cinema Cams: Auto Iris
- Panasonic Cinema Cams: Pedestal
- Panasonic Cinema Cams: Focus
- Panasonic Cinema Cams: Zoom
- Panasonic Cinema Cams: ND Filter
- Panasonic Cinema Cams: Record