

# Device: Panasonic AU-EVA1

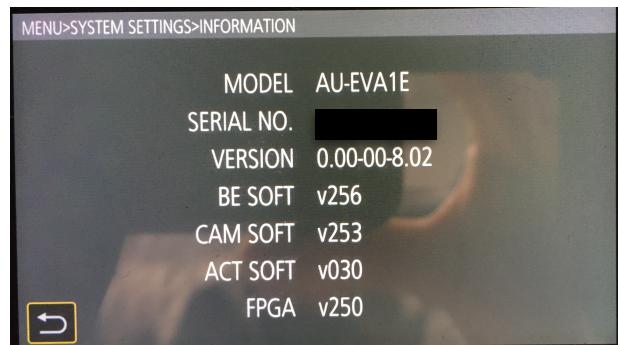


## Introduction

The Device Core "Panasonic Cinema Cams" is used for controlling the AU-EVA1 camera. The goal of this manual is to help configuring a SKAARHOJ interface to control features available in the Device Core at this present time.

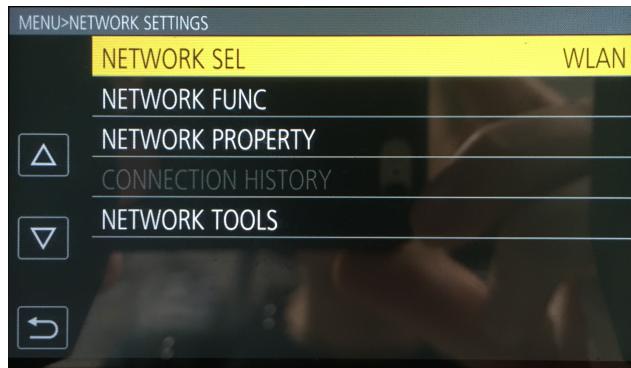
## Setting up Camera

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.



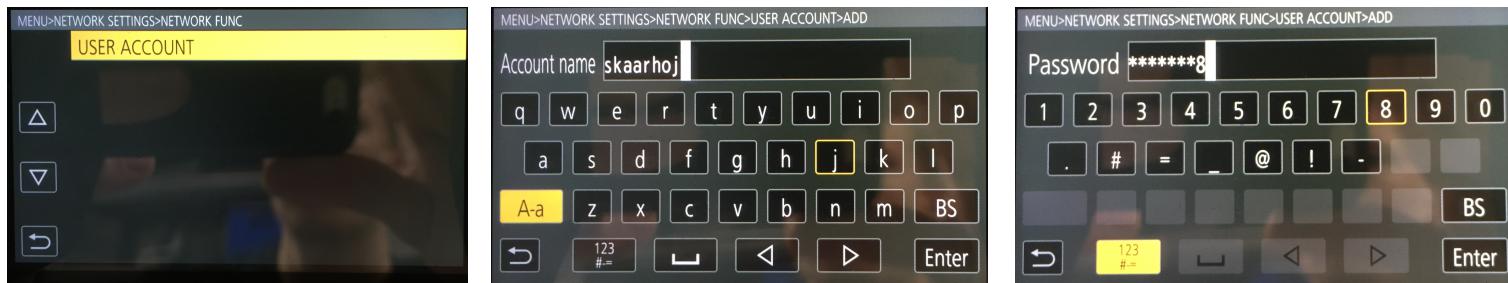
A number of actions are required for a SKAARHOJ controller to communicate with the camera. Please follow these procedures in the MENU → NETWORK SETTINGS. The aim of the procedures is to set a **static IP address** on the camera which the SKAARHOJ controller can connect to and to create a **user account**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

- NETWORK SEL: **WLAN**



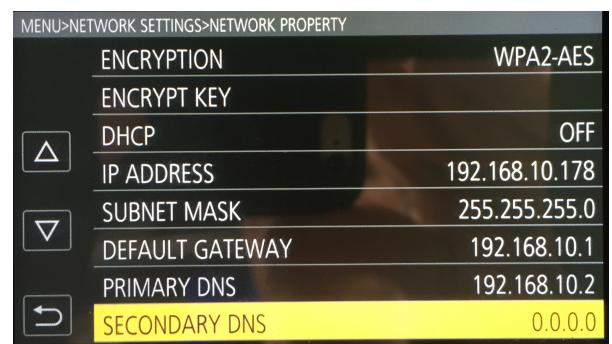
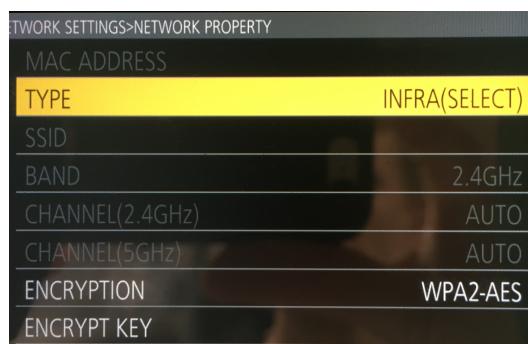
- NETWORK FUNC - add a account

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



- 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 screenshot shows the SKAARHOJ Device Cores interface. On the left, a sidebar menu includes "Controller Configuration", "Device Cores" (which is selected), "Manage Configurations", "Manage Media", "Button Labels", and "Firmware Overview". The main area is titled "Device Cores" and contains a section for "Panasonic EVA1". A "Panasonic Cinema Cams" device core is listed with the description "Control of Panasonic cameras such as AU-EVA1". Below this is a small thumbnail icon of a camera. At the bottom of the main area are two buttons: "Save Settings" and "Add another device".

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 shows static IP settings: IP Address (192.168.10.99), Subnet (255.255.255.0), Gateway (192.168.10.1), and DNS (192.168.10.1). It also lists a "Panasonic Cinema Cam" entry with IP 192.168.10.178 and an "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*

The screenshot shows the "Serial Monitor" application. The main window has a "Command input" field and a text area displaying serial port output. The output text shows the SKAARHOJ Controller Booting process, followed by a "PanasonicEVA: Connected" message highlighted with a red box. The right side of the window features a "Commands" panel with buttons for "reset", "config", "configd", "clearpresets", "debug", "newmac", and "ok". A "checkbox" labeled "Auto scroll" is located at the bottom left of the main text area.

## SKAARHOJ DEVICE CORES

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

- Panasonic EVA1: Iris
- Panasonic EVA1: Auto Iris
- ✓ Panasonic EVA1: Pedestal
- Panasonic EVA1: ND Filter
- Panasonic EVA1: Record
- Panasonic EVA1: Color Settings
- Panasonic EVA1: Variable Shutter
- Panasonic EVA1: Shutter Mode
- Panasonic EVA1: Shutter
- Panasonic EVA1: Variable FR
- Panasonic EVA1: Frame Rate
- Panasonic EVA1: Auto White Balance
- Panasonic EVA1: Color Temperatur
- Panasonic EVA1: Auto Black Balance
- Panasonic EVA1: Exp Index
- Panasonic EVA1: Exp Index Gain
- Panasonic EVA1: Gamma Select
- Panasonic EVA1: Master Gamma
- Panasonic EVA1: Black Gamma Enable
- Panasonic EVA1: Black Master Gamma
- Panasonic EVA1: Black Gamma Range
- Panasonic EVA1: Master Knee Enable
- Panasonic EVA1: Knee Point
- Panasonic EVA1: Knee Slope
- Panasonic EVA1: Chroma
- Panasonic EVA1: Linear Matrix Enable
- Panasonic EVA1: Linear Matrix
- Panasonic EVA1: Color Correction Enable
- Panasonic EVA1: Color Correction
- Panasonic EVA1: Detail Enable
- Panasonic EVA1: Detail Coring
- Panasonic EVA1: Detail Master Detail
- Panasonic EVA1: Detail Frequency
- Panasonic EVA1: White Clip Enable
- Panasonic EVA1: White Clip Level
- Panasonic EVA1: Menu Display
- Panasonic EVA1: Menu Enter
- Panasonic EVA1: Menu Navigation
- Panasonic EVA1: User Switch
- Panasonic EVA1: Bars
- Panasonic EVA1: Red Tally

At this present time only a default shipping config with the EVA1 camera for the RCPv2 exist. We recommend only to control one camera per SKAARHOJ controller.