

Device: JVC GY-HM660, GY-HM8x0 series and GY-HM900



Introduction

The Device Core "JVC RCP" is used for controlling the JVC GY-HM660, GY-HM8x0 series and GY-HM900 cameras and allows to control most parameters of the cameras through the official HTTP based API. The Device Core is still in beta.

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, if no native port are on the camera. All communication between a SKAARHOJ interface and the camera is done via wired IP. This tutorial illustrates setup for a JVC GY-HM660U.



A number of actions are required for a SKAARHOJ controller to communicate with the camera. Basically the IP address of the camera must match the IP address of the JVC Device Core on a SKAARHOJ controller. This is an example using IP 192.168.10.249-

Set Static IP

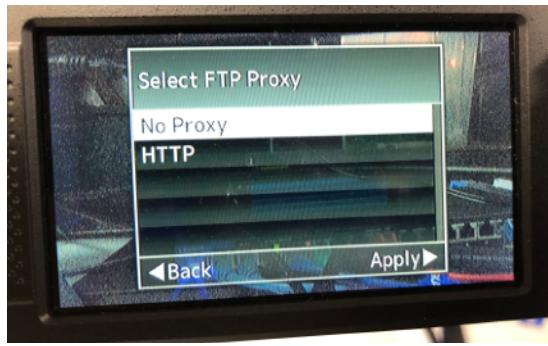
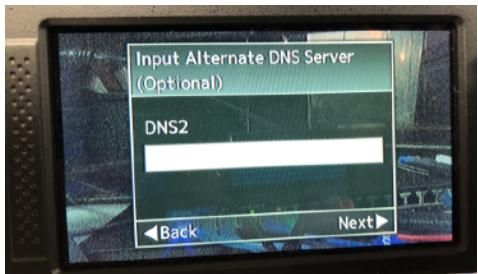
Main Menu > System > Settings > Connection Setup...

You can use the Wizard to guide you to set the following addresses

- DHCP: **OFF**
- IP ADDRESS: **192.168.10.249**
- SUBNET MASK: **255.255.255.0**

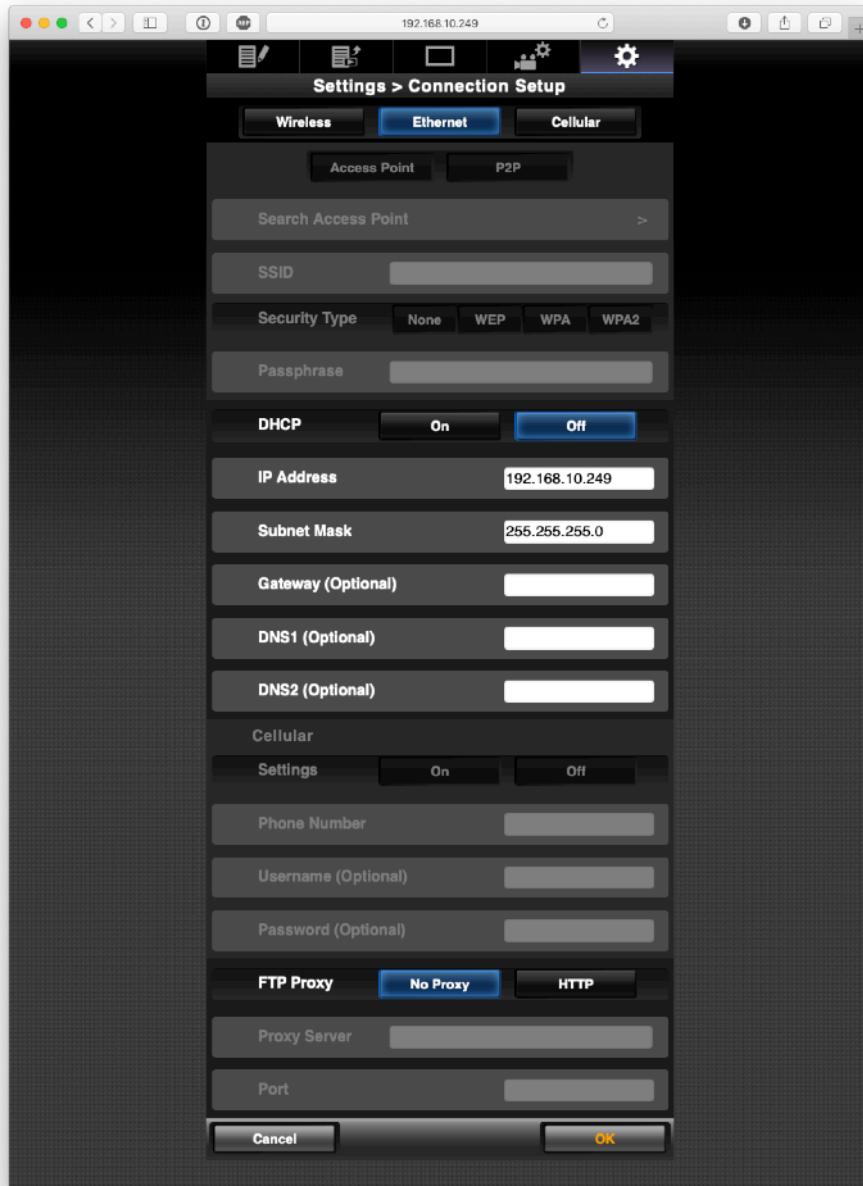


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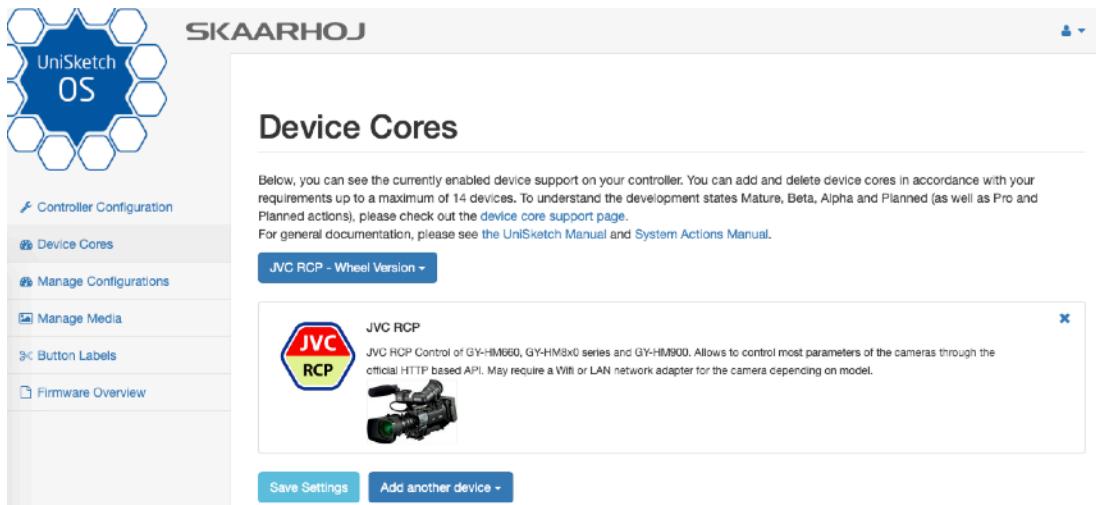
SKAARHOJ DEVICE CORES

The configuration can also be set on the web interface of the camera it self (if Web Access have been enabled)



Setting up Controller

If you are not using a default configuration then the Device Core “Panasonic Cinema Cams” must be added to your controller

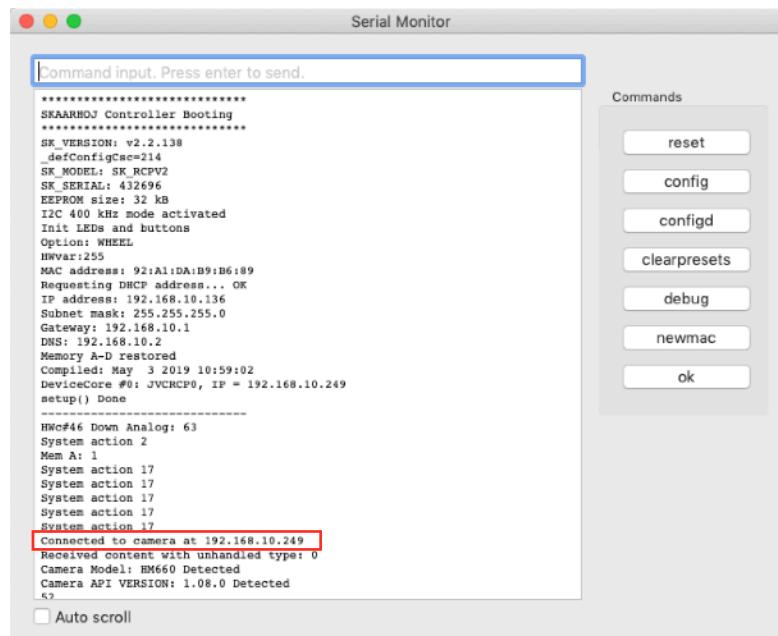


The Device Core *must* have the IP address matching, the one set on the camera it self (see “Setting up Camera” section).

The left screenshot shows the 'Devices Settings' screen with the 'Controller IP Settings' section. It includes fields for IP, Subnet Mask, Gateway, and DNS, all set to 192.168.10.136. Below this is the 'JVC RCP' section, which also has an IP of 192.168.10.136. A green 'Save Settings' button is at the bottom right.

The right screenshot shows the 'IP Configuration' window. It has a checked 'Use DHCP' option and manual entries for IP Address (192.168.10.99), Subnet (255.255.255.0), Gateway (192.168.10.1), and DNS (192.168.10.1). The 'JVC RCP' entry has an IP of 192.168.10.249 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: *Connected to camera at 192.168.10.249*



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



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

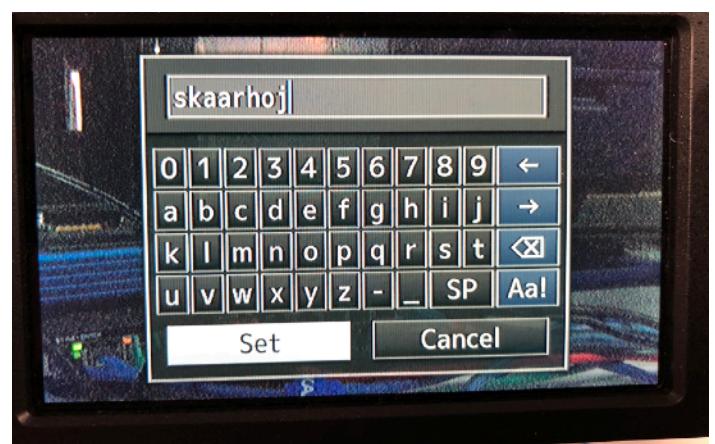
Temp content - do not pay attention

Enable Web Access

Main Menu --> System --> Settings --> Web...



Set Web Access to On



Set "Login Password" to: skaarhoj