

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

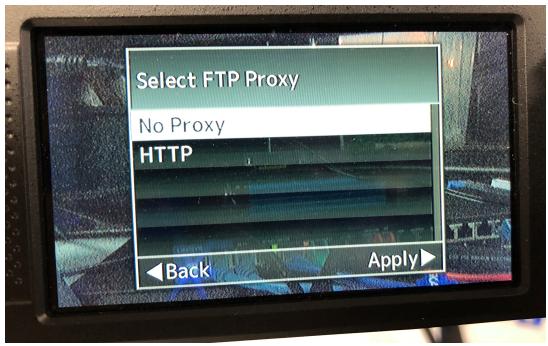
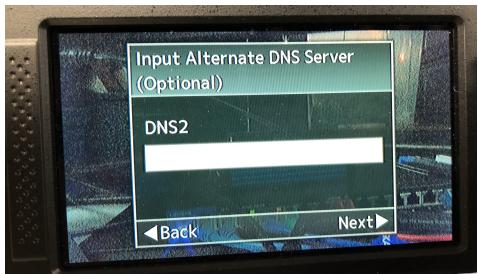
Main Menu > System > Settings > Connection Setup...

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**

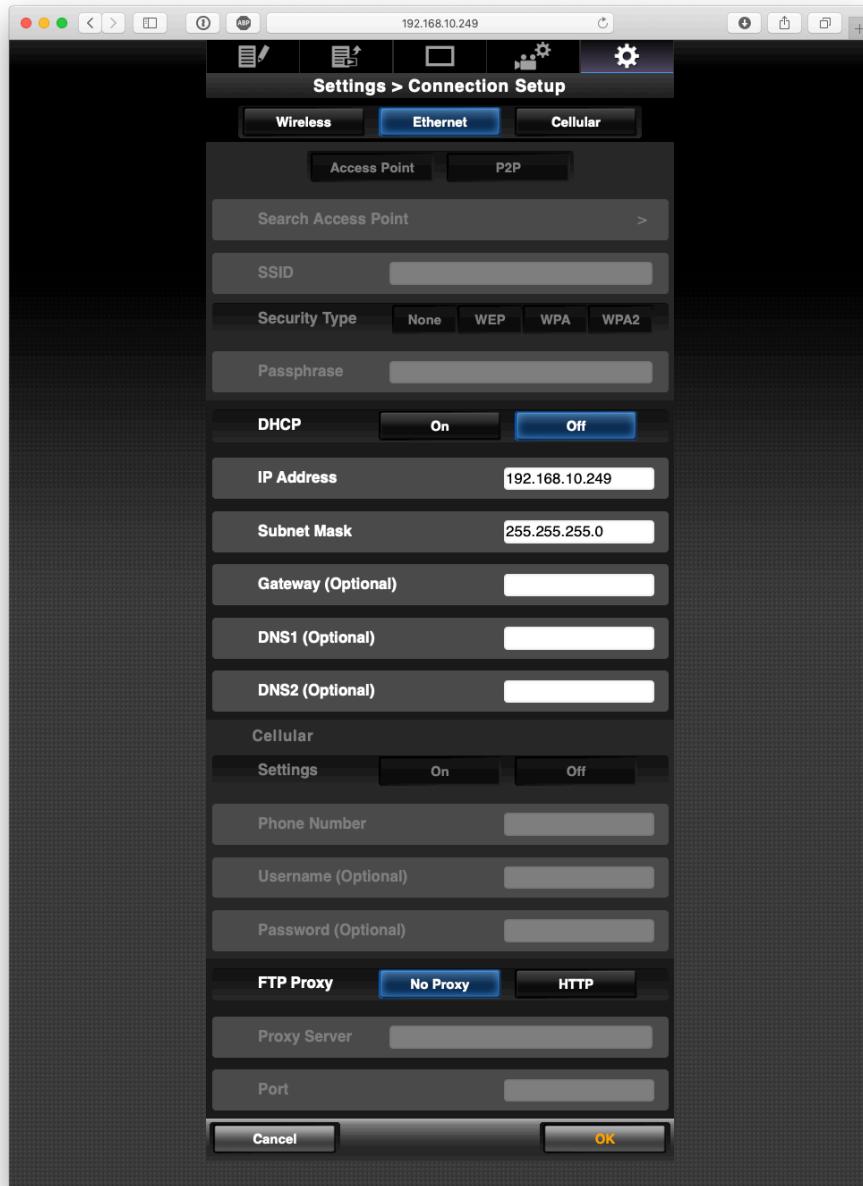


SKAARHOJ DEVICE CORES



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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 screenshot shows the UniSketch OS interface under the 'Device Cores' section. A modal window for the 'JVC RCP' device core is open, displaying its icon (a camera with 'JVC RCP' text), a brief description (JVC RCP Control of GY-HM660, GY-HM8x0 series and GY-HM900. Allows to control most parameters of the cameras through the official HTTP based API. May require a WiFi or LAN network adapter for the camera depending on model.), and two buttons at the bottom: '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).

The screenshot shows the UniSketch OS 'Devices Settings' page. On the left, there's a 'Controller IP Settings' section with fields for IP, Subnet Mask, Gateway, and DNS. Below it is a 'JVC RCP' section with a dropdown menu showing '192.168.10.249'. On the right, a separate 'IP Configuration' dialog box is open, containing 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 checked checkbox for 'Enabled'. 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*

The screenshot shows the Serial Monitor application. The main window displays a log of messages. Near the bottom, the message 'Connected to camera at 192.168.10.249' is highlighted with a red box. To the right of the main window is a 'Commands' panel with several buttons: reset, config, configd, clearpresets, debug, newmac, and ok.

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

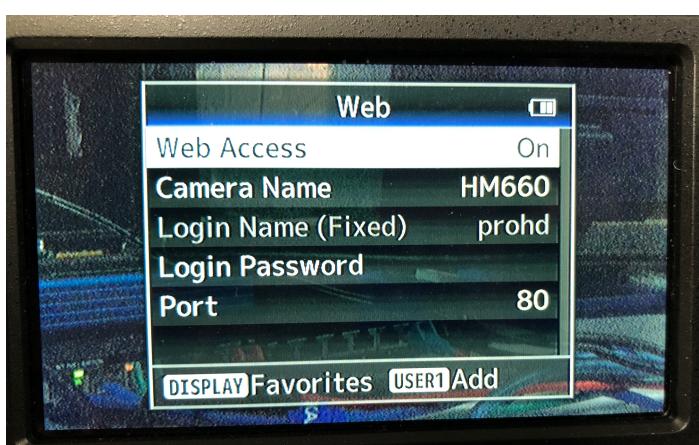


At this present time only a default shipping config with the JVC camera for the RCPv2 exist. We recommend only to control one camera per SKAARHOJ controller.

Temp content - do not pay attention

Enable Web Access

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



Set Web Access to On



Set "Login Password" to: skaarhoj