Device: JVC KY-PT100

Introduction

A large number of parameters can be controlled on the JVC KY-PT100 camera. Control is via VISCA over IP. The integration was developed using firmware version: V0200-0128

Please see the "PTZ Manual" at https://www.skaarhoj.com/support/manuals/ to learn more about PTZ control in general from SKAARHOJ controllers and in particular network recommendations.

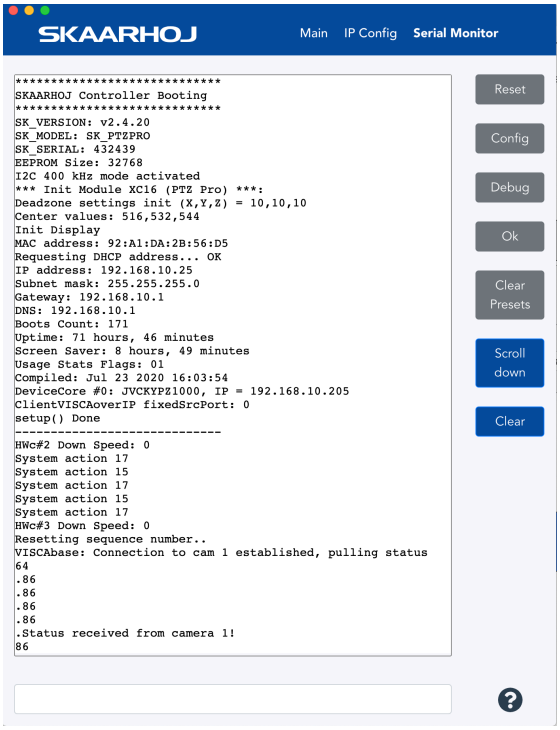
In this manual it is worth noticing that one should not add *additional* Device Cores to control multiple cameras. This is possible from the same Device Core but proper steps should be ensured (consecutive IP addresses on the cameras) for a good user experience.

Number of Cameras possible to control

Please notice from the JVC KY-PT100 Core it is possible to control up 7 cameras. In general this is the limit for our VISCA over IP Device Cores and our integration have not been tested above 7 cameras. If you want to control more than 7 cameras you will need to add an additional Device Core and configure the controller accordingly. None of our default configuration utilities 2 x JVC Device Cores. As we have never tested with more than 7 cameras, we do not know how well performance and stability will be in such a configuration setup. We recommend only having 1 x JVC KY-PT100 Device Core installed per controller.

Confirm Connection

The Serial Monitor from the Firmware Application can be used to monitor connection status.



Device Configurations

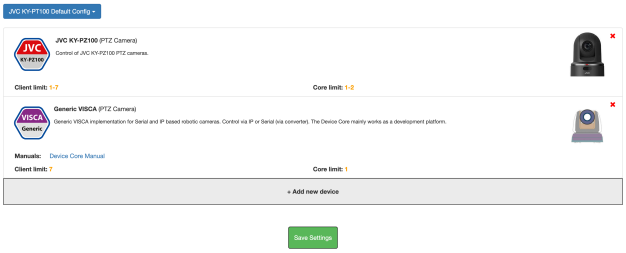
Device configuration options exist:

- Index 0: **VISCA over IP/Serial**
  - If "0" = VISCA over IP
  - If "1" = VISCA serial over IP

Example:

Enabling VISCA over serial could look like this device configuration code: "D0:0=1" where the general form would be "Dx:y=z" where "x" is the number of the device core as installed on the controller (starting with zero for the first device core), "y" the index number and "z" the value for that index.

If the JVC device core is the first like below:



To confirm that a device configuration is in fact detected by the controller, please check it out on the serial monitor where it will be mentioned:

```
D0[0] = 1
DeviceCore #0: JVCKYPZ1000, IP = 192.168.10.205
JVCKYPZ100: Option serial
ClientVISCAserialIP:  __deviceIdx: 0
ClientVISCAserialIP::begin()
setup() Done
```

Actions

An excerpt of the actions in the Device Core

- JVC KY-PZ100: Pan/Tilt
- JVC KY-PZ100: Zoom (Binary)
- JVC KY-PZ100: Focus (Binary)
- JVC KY-PZ100: Focus One Push
- JVC KY-PZ100: Focus Settings
- JVC KY-PZ100: Zoom Settings
- JVC KY-PZ100: Exposure Mode
- JVC KY-PZ100: Iris
- JVC KY-PZ100: Shutter
- JVC KY-PZ100: Gain
- JVC KY-PZ100: AE Level
- JVC KY-PZ100: Gain Limit
- JVC KY-PZ100: White Balance
- JVC KY-PZ100: WB One Push
- JVC KY-PZ100: WB R/B Gain
- JVC KY-PZ100: Detail
- JVC KY-PZ100: Noise Reduction
- JVC KY-PZ100: Preset
- JVC KY-PZ100: Preset Drive
- JVC KY-PZ100: System
- JVC KY-PZ100: PTZ Cruise Control
- JVC KY-PZ100: PTZ Trace
- JVC KY-PZ100: Auto Shift level
- JVC KY-PZ100: Camera Select