Device: PTZOptics PTx Cameras

Introduction

A large number of parameters can be controlled on the PTZOptics PTZ and ZCam cameras. Control is via VISCA over IP (and not NDI).

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.

Update July 2020

The PTZOptics Device Core is designed to control the PT12X, PT20X and the PT30X PTZ and ZCam cameras. The support is currently being developed for PTZOptics Firmwares:

PT12x : SOC ver 6.2.83
PT20x : SOC ver 6.2.71
PT30x : SOC ver 6.2.73

Number of Cameras possible to control

Please notice from the PTZOptics PTx Device 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 PTZOptics PTx 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 PTZOptics PTx Device Core installed per controller.

Device Configurations

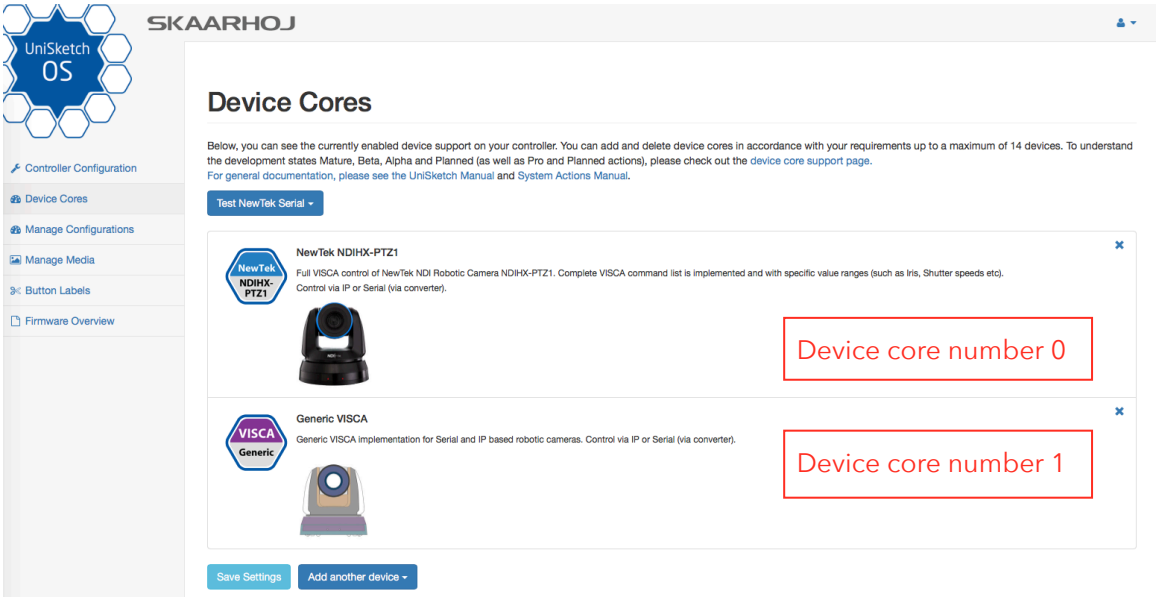
Device configuration options exist:

- Index 0: **VISCA over IP/Serial**
  - If "2" = VISCA over Serial

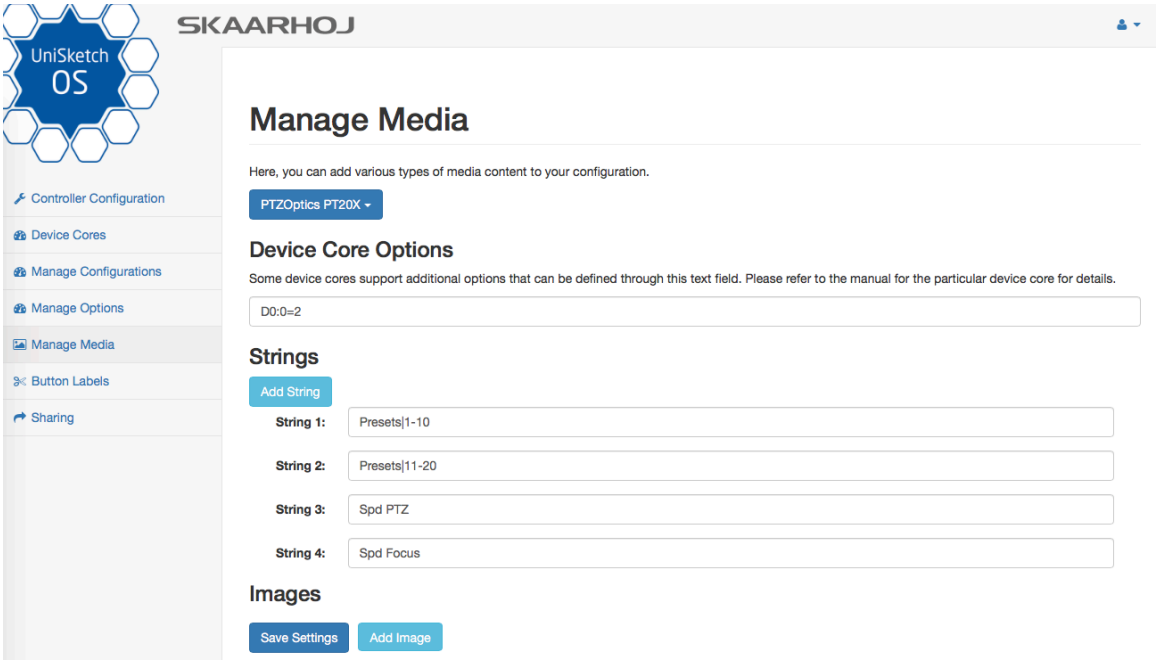
Example:

Enabling VISCA over serial could look like this device configuration code: "D0:0=2" 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 PTZOptics PTx Device Core is the first like below (here represented with NewTek Device Core)



Setting VISCA over serial would be set by this configuration under "Manage Media" on the configuration page for your controller. Access this by pressing "Online Configuration" in the Firmware Application. Remember to save on the configuration page *and* press "Check for updates" in the Firmware Application.



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:

```
Memory A-D restored
Compiled: Nov  9 2018 15:39:29
DeviceCore #0: PTZOPTICS0, IP = 192.168.10.215
PTZOPTICS: Serial over IP
```

Actions

An excerpt of the actions in the Device Core

Please note that not all actions are supported by the PTZOptics Zcam models.

The actions in RED are not supported by the Zcam models.