Device: NewTek NDI-HX PTZ1

Introduction

A large number of parameters can be controlled on the NewTek NDI-HX PTZ1. Control is via VISCA over IP (and not NDI).

The implementation is done on NewTek NDI-HX PTZ1 Firmware version: VHR116j

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 NewTek NDI-HX PTZ1 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 NewTek NDI-HX PTZ1 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 NewTek NDI-HX PTZ1 Device Core installed per controller.

Device Configurations

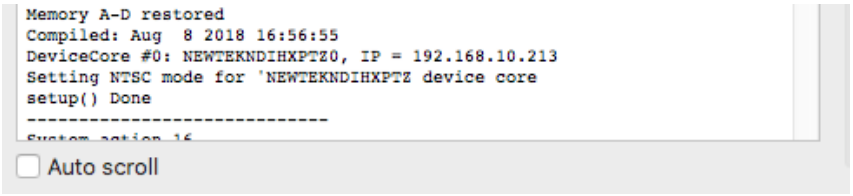
Device configuration options exist:

- Index 0: **VISCA over IP/Serial**
  - If "1" = VISCA over Serial
- Index 1: **Video Standard**
  - If "0" = Reserved
  - If "1" = Pal mode
  - If "2" = NTSC mode

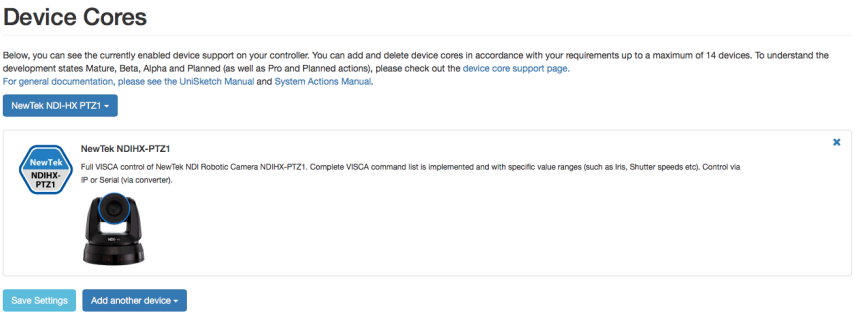
Example:

Enabling "Video Standard" to NTSC mode could look like this device configuration code: "D0:1=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.

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:



Example: If the NewTek device core is the first like below:

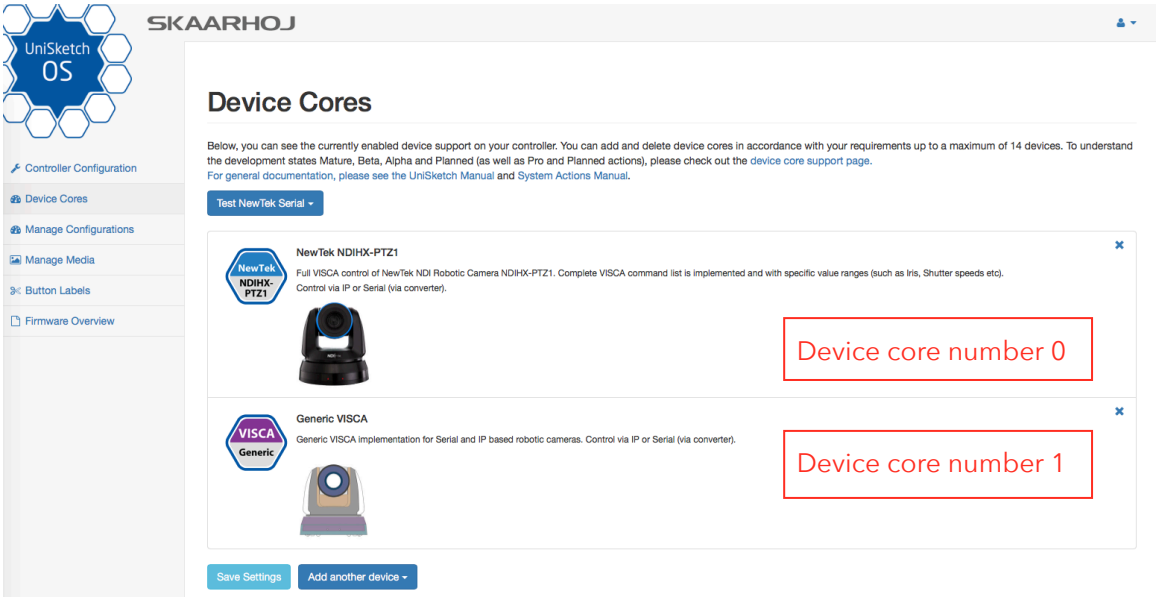


Then setting the "Video Standard" would be set by this configuration under "Manage Media" on your configuration page for your controller on cores.skaarhoj.com

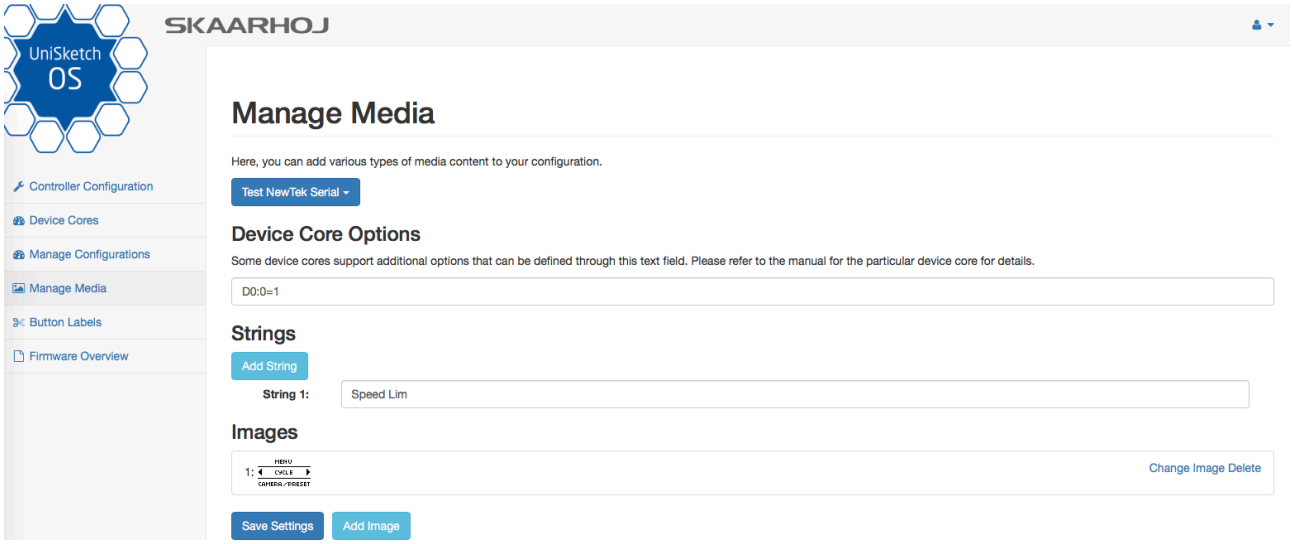
Example:

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 NewTek NDIHX-PTZ1 Device Core is the first like below:



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.



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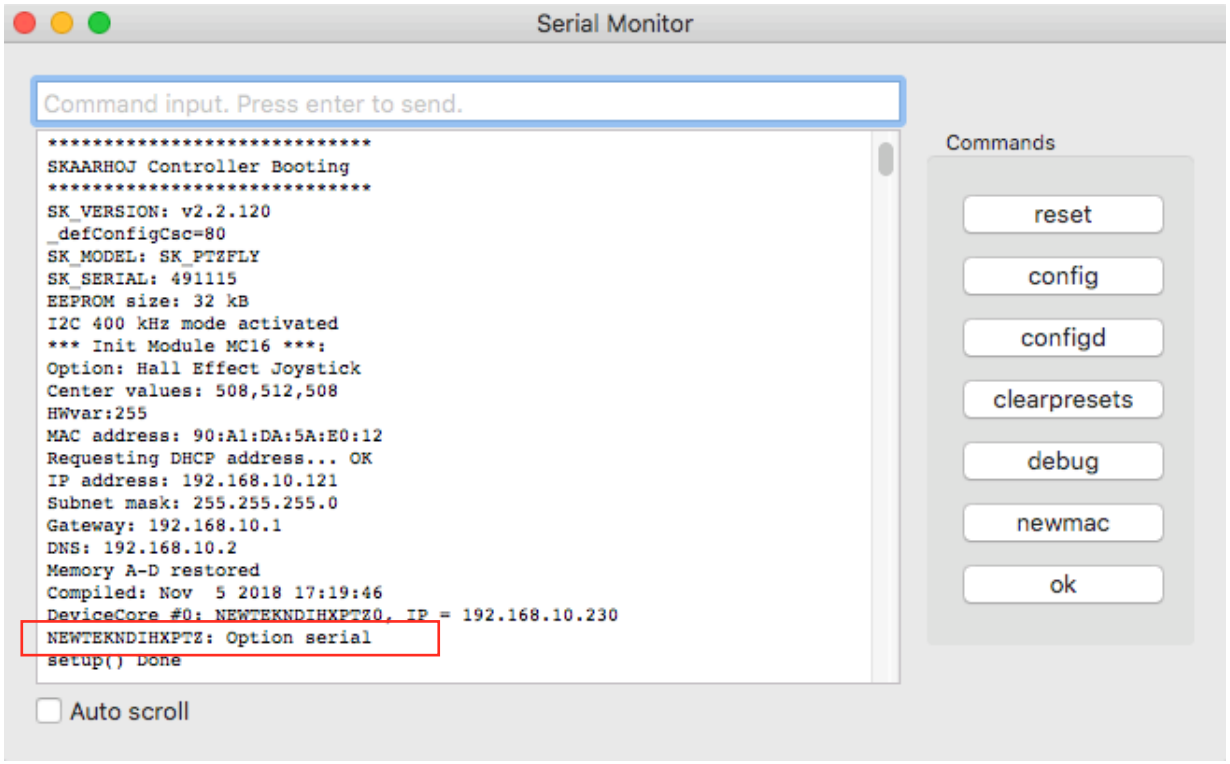

Actions

An excerpt of the actions in the Device Core