

Device: Lumens VC-A50P/NewTek NDI-HX PTZ1

Tested on NewTek NDI-HX PTZ1 Firmware version: VHR116j

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:


```
Memory A-D restored
Compiled: Aug  8 2018 16:56:55
DeviceCore #0: NEWTEKNDIHXPZ0, IP = 192.168.10.213
Setting NTSC mode for 'NEWTEKNDIHXPZ2' device core
setup() Done
-----
System action 16
☐ Auto scroll
```

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

Device Cores


Below, you can see the currently enabled device support on your controller. You can add and delete device cores in accordance with your requirements up to a maximum of 14 devices. To understand the development states Mature, Beta, Alpha and Planned (as well as Pro and Planned actions), please check out the [device core support page](#). For general documentation, please see the [UniSketch Manual](#) and [System Actions Manual](#).

NewTek NDI-HX PTZ1 -



NewTek NDI-HX-PTZ1

Full VISCA control of NewTek NDI Robotic Camera NDI-HX-PTZ1. Complete VISCA command list is implemented and with specific value ranges (such as Iris, Shutter speeds etc). Control via IP or Serial (via converter).



Save Settings

Add another device -

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

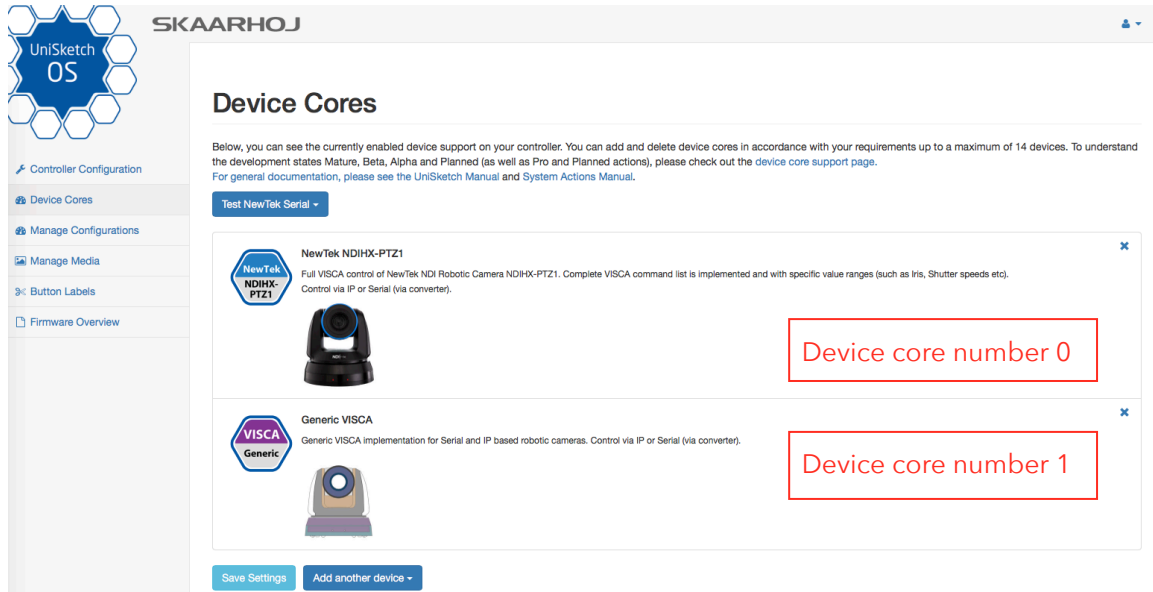
Device Core Options

Some device cores support additional options that can be defined through this text field. Please refer to the manual for the particular device core for details.

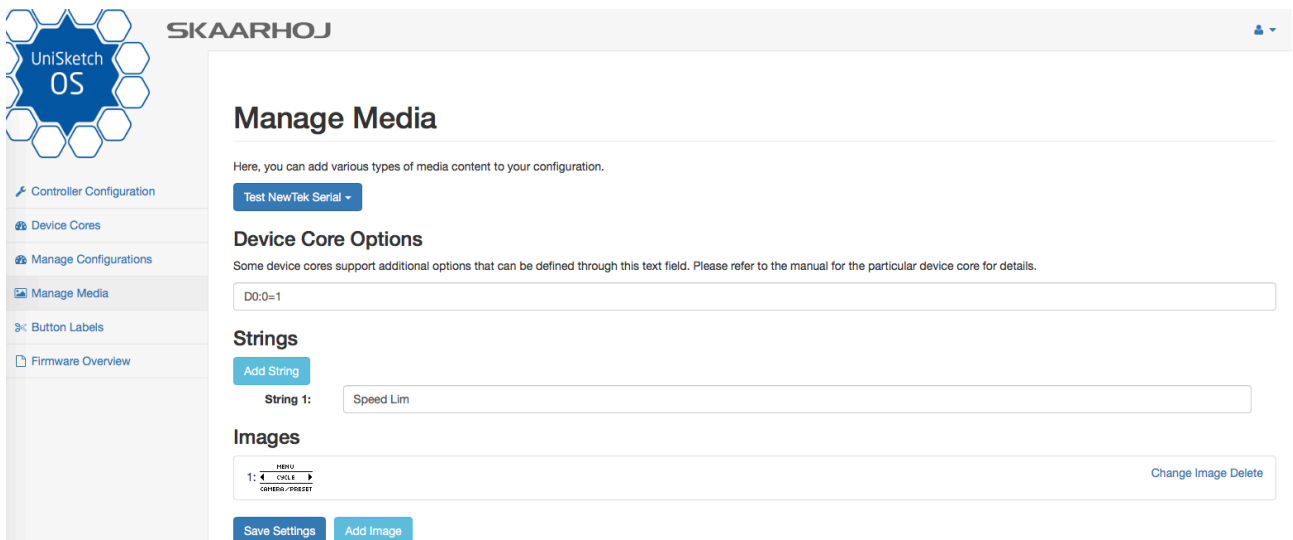
Example:

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:

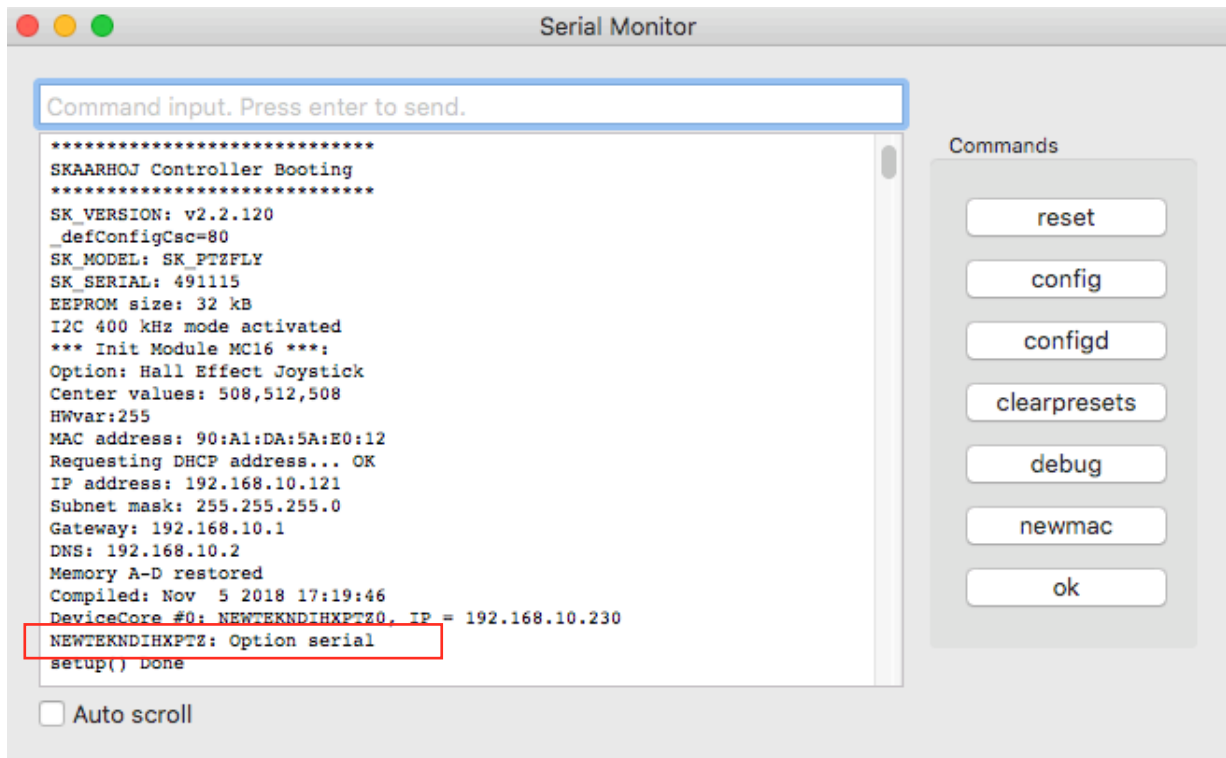


Setting VISCA over serial would be set by this configuration under "Manage Media" on the configuration page for your controller. Access this by pressing "Online Configuration" in the Firmware Application. Remember to save on the configuration page *and* press "Check for updates" in the Firmware Application.



SKAARHOJ DEVICE CORES

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:



Actions

An excerpt of the actions in the Device Core

```
Lumens VC-A50P: Pan
Lumens VC-A50P: Tilt
Lumens VC-A50P: Pan/Tilt
Lumens VC-A50P: Zoom
Lumens VC-A50P: Zoom (Binary)
Lumens VC-A50P: Focus
Lumens VC-A50P: Focus (Binary)
Lumens VC-A50P: Focus One Push
Lumens VC-A50P: PT Limit (Planned)
Lumens VC-A50P: Focus Settings
Lumens VC-A50P: Exposure Mode
Lumens VC-A50P: Iris
Lumens VC-A50P: Shutter
Lumens VC-A50P: Gain
Lumens VC-A50P: Ex-Comp. Enable
Lumens VC-A50P: Ex-Comp. Level
Lumens VC-A50P: AE Comp
Lumens VC-A50P: Gain Limit
Lumens VC-A50P: Iris Limit
Lumens VC-A50P: Wide Dynamic Range Mode
Lumens VC-A50P: White Balance
Lumens VC-A50P: WB One Push
Lumens VC-A50P: WB R/B Gain
Lumens VC-A50P: Tone adjustments
Lumens VC-A50P: Sharpness
Lumens VC-A50P: Noise Reduction
Lumens VC-A50P: 3D Noise Reduction
Lumens VC-A50P: Gamma
Lumens VC-A50P: Picture Effect
Lumens VC-A50P: Preset
Lumens VC-A50P: System
Lumens VC-A50P: Skin tone
Lumens VC-A50P: Black Level
Lumens VC-A50P: PTZ Cruise Control
Lumens VC-A50P: PTZ Trace
Lumens VC-A50P: Speed Limit
Lumens VC-A50P: Auto Shift level
Lumens VC-A50P: Camera Select
```