Device: Lumens VC-A61P

Introduction

A large number of parameters can be controlled on the Lumens VC-A61P.

This integration was made using Lumens VC-A61P firmware version:
VBO100_VBP101_VBM113_VBR113_VBN131_VBS104_VBI106_VBK100

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.

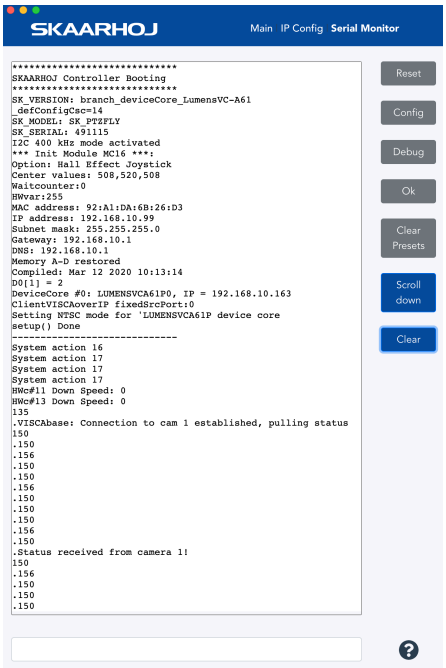
In this manual it is worth noticing that one should not add *additional* Device Cores to control multiple cameras. This is possible from the same Device Core but proper steps should be ensured (consecutive IP addresses on the cameras) for a good user experience.

Number of Cameras possible to control

Please notice from theLumens VC-A61P 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.

Confirm Connection

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



Device Configurations

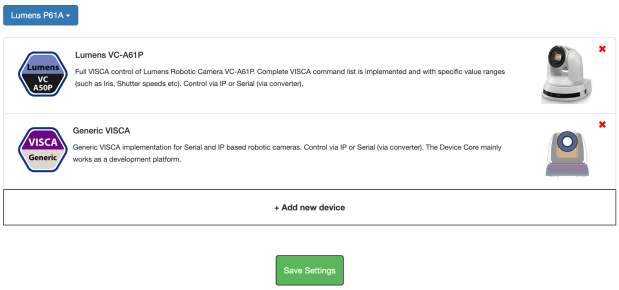
Device configuration options exist:

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

If the Lumens 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

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: Mar 12 2020 10:13:14
D0[1] = 2
DeviceCore #0: LUMENSVCA61P0, IP = 192.168.10.163
ClientVISCAoverIP fixedSrcPort:0
Setting NTSC mode for 'LUMENSVCA61P device core
setup() Done
```

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.

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: Mar 12 2020 10:34:41
D0[0] = 1
DeviceCore #0: LUMENSVCA61P0, IP = 192.168.10.163
LUMENSVCA61P: Option serial
ClientVISCAserialIP:  __deviceIdx: 0
ClientVISCAserialIP::begin()
setup() Done
------------------------------
```

Actions

An excerpt of the actions in the Device Core

Note on System:Tally, you need to first set Tally Mode for tally to work.

Note on System: LR Reverse, the screen goes black while the camera executes the action.

```
Lumens VC-A61P: Pan
Lumens VC-A61P: Tilt
Lumens VC-A61P: Pan/Tilt
Lumens VC-A61P: Zoom
Lumens VC-A61P: Zoom (Binary)
Lumens VC-A61P: Focus
Lumens VC-A61P: Focus (Binary)
Lumens VC-A61P: Focus One Push
Lumens VC-A61P: PT Limit (Planned)
Lumens VC-A61P: Focus Settings
Lumens VC-A61P: Exposure Mode
Lumens VC-A61P: Iris
Lumens VC-A61P: Shutter
Lumens VC-A61P: Gain
Lumens VC-A61P: Ex-Comp. Enable
Lumens VC-A61P: Ex-Comp. Level
Lumens VC-A61P: AE Comp
Lumens VC-A61P: Gain Limit
Lumens VC-A61P: Iris Limit
Lumens VC-A61P: White Balance
Lumens VC-A61P: WB One Push
Lumens VC-A61P: WB R/B Gain
Lumens VC-A61P: Tone adjustments
Lumens VC-A61P: Sharpness
Lumens VC-A61P: Noise Reduction
Lumens VC-A61P: 3D Noise Reduction
Lumens VC-A61P: Gamma
Lumens VC-A61P: Picture Effect
Lumens VC-A61P: Preset
Lumens VC-A61P: System
Lumens VC-A61P: Tally Mode
Lumens VC-A61P: PTZ Cruise Control
Lumens VC-A61P: PTZ Trace
Lumens VC-A61P: Speed Limit
Lumens VC-A61P: Auto Shift level
Lumens VC-A61P: Camera Select
```