

Device: AIDA PTZ-X12-IP



Introduction

A large number of parameters can be controlled on the AIDA PTZ-X12-IP.

This integration was made using AIDA PTZ-X12-IP firmware version: 1.0

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.

Important Notice: The Device Core will not work with the AIDA PTZ-X20-IP model

Number of Cameras possible to control

Please notice from the AIDA PTZ-X12-IP Device Core it is possible to control up to 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.

```

SKAARHOJ
Main IP Config Serial Monitor

*****
SKAARHOJ Controller Booting
*****
SK_VERSION: branch_deviceCore_AIDA_PTZ-X12-IP
.defConfigCsc=212
SK_MODEL: SK_PTZPRO
SK_SERIAL: 432439
I2C 400 kHz mode activated
*** Init Module XC16 (PTZ Pro) ***:
Center Values: 508,524,528
Init Display
Waitcounter:0
HWvar:255
MAC address: 92:A1:DA:2B:56:D5
Requesting DHCP address... OK
IP address: 192.168.10.20
Subnet mask: 255.255.255.0
Gateway: 192.168.10.1
DNS: 192.168.10.1
Memory A-D restored
Compiled: Mar 20 2020 15:06:29
DeviceCore #0: AIDAPTZX12IP0, IP = 192.168.10.142
ClientVISChoverIP fixedSrcPort:1
setup() Done
-----
HWc#2 Down Speed: 0
System action 17
System action 17
System action 15
System action 17
Resetting sequence number..
HWc#3 Down Speed: 0
VISCAbase: Connection to cam 1 established, pulling status
90
.106
.106
.106
.106
.106
.106
Status received from camera 1!
95
  
```

Device Configurations

Device configuration options exist:

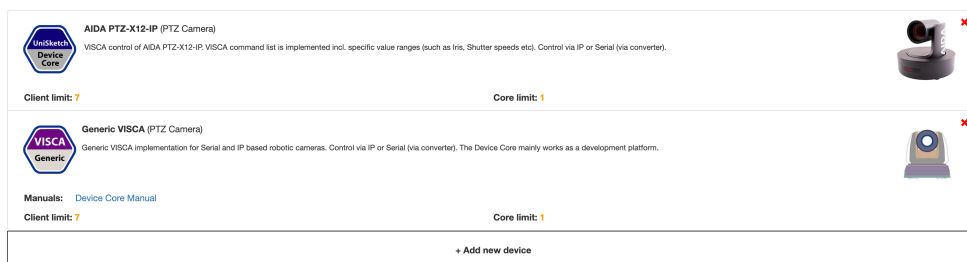
- Index 0: **VISCA over IP/Serial**

- If "1" = VISCA over Serial

Example:

Enabling "Visca over Serial" to NTSC mode 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 AIDA device core is the first like below:



Then setting the "VISCA over IP/Serial" 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.

D0:0=1

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 20 2020 14:57:45
D0[0] = 1
DeviceCore #0: AIDAPTZX12IP0, IP = 192.168.10.142
: Option serial
ClientVISCAserialIP: __deviceIdx: 0
ClientVISCAserialIP::begin()
setup() Done
```

Actions

An excerpt of the actions in the Device Core

- AIDA PTZ-X12-IP: Pan
- ✓ AIDA PTZ-X12-IP: Tilt
- AIDA PTZ-X12-IP: Pan/Tilt
- AIDA PTZ-X12-IP: Zoom
- AIDA PTZ-X12-IP: Zoom (Binary)
- AIDA PTZ-X12-IP: Focus
- AIDA PTZ-X12-IP: Focus (Binary)
- AIDA PTZ-X12-IP: Focus One Push
- AIDA PTZ-X12-IP: Focus Settings
- AIDA PTZ-X12-IP: Zoom Settings
- AIDA PTZ-X12-IP: Exposure Mode
- AIDA PTZ-X12-IP: Iris
- AIDA PTZ-X12-IP: Shutter
- AIDA PTZ-X12-IP: Gain
- AIDA PTZ-X12-IP: AE Comp
- AIDA PTZ-X12-IP: Bright
- AIDA PTZ-X12-IP: White Balance
- AIDA PTZ-X12-IP: WB One Push
- AIDA PTZ-X12-IP: WB R/B Gain
- AIDA PTZ-X12-IP: Tone adjustments
- AIDA PTZ-X12-IP: Aperture Gain
- AIDA PTZ-X12-IP: Gamma
- AIDA PTZ-X12-IP: Preset
- AIDA PTZ-X12-IP: Preset Drive
- AIDA PTZ-X12-IP: System
- AIDA PTZ-X12-IP: PTZ Cruise Control
- AIDA PTZ-X12-IP: PTZ Trace
- AIDA PTZ-X12-IP: Speed Limit
- AIDA PTZ-X12-IP: Auto Shift level
- AIDA PTZ-X12-IP: Camera Select