

Device: Datavideo PTC-140



Introduction

A large number of parameters can be controlled on the Datavideo PTC-140 camera. The Device Core is still in alpha with just a limited feature set available to control. Control is via VISCA over IP. The Firmware on the camera has the following details

MCU Version	V2.5.5 2019-12-16
Camera Version	V2.6.2 2020-3-17
AF Version	V4.0.6 2019-8-21

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.

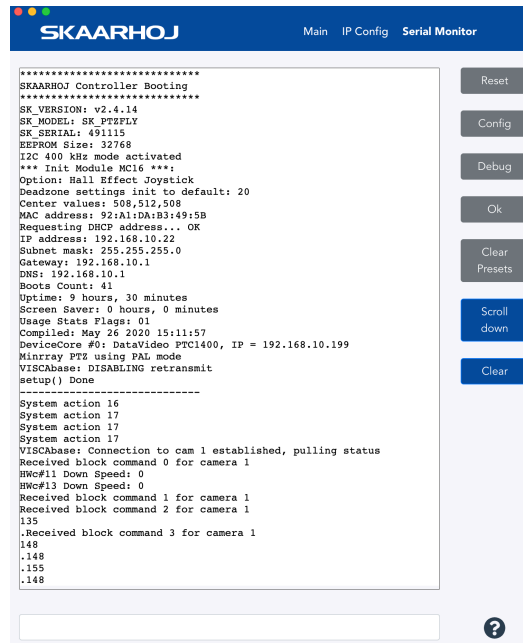
In this manual it is worth noticing that one should not add *additional* Device Cores to control multiple cameras. This is possible from the same Device Core but proper steps should be ensured (consecutive IP addresses on the cameras) for a good user experience.

Number of Cameras possible to control

Please notice from the Datavideo PTC-140 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 Datavideo 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 Datavideo Device Core installed per controller.

Confirm Connection

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



Actions

An excerpt of the actions in the Device Core

```
Datavideo PTC-140: Pan
Datavideo PTC-140: Tilt
Datavideo PTC-140: Pan/Tilt
Datavideo PTC-140: Zoom
Datavideo PTC-140: Zoom (Binary)
Datavideo PTC-140: Focus
Datavideo PTC-140: Focus (Binary)
Datavideo PTC-140: Focus Settings
Datavideo PTC-140: Exposure Mode
Datavideo PTC-140: Iris
Datavideo PTC-140: Shutter
Datavideo PTC-140: Ex-Comp. Enable
Datavideo PTC-140: Ex-Comp. Level
Datavideo PTC-140: Gain Limit
Datavideo PTC-140: Flicker Cancel
Datavideo PTC-140: White Balance
Datavideo PTC-140: WB One Push
Datavideo PTC-140: AWB Sensitivity
Datavideo PTC-140: WB R/B Gain
Datavideo PTC-140: Hue
Datavideo PTC-140: Saturation
Datavideo PTC-140: Brightness
Datavideo PTC-140: Contrast
Datavideo PTC-140: Sharpness
Datavideo PTC-140: Dynamic Hot Pixel
Datavideo PTC-140: NR 2D
Datavideo PTC-140: NR 3D
Datavideo PTC-140: Gamma
Datavideo PTC-140: Picture Effect
Datavideo PTC-140: Preset
Datavideo PTC-140: Preset Drive
Datavideo PTC-140: Image Flip
Datavideo PTC-140: System
Datavideo PTC-140: PTZ Cruise Control
Datavideo PTC-140: PTZ Trace
Datavideo PTC-140: Speed Limit
Datavideo PTC-140: Auto Shift level
Datavideo PTC-140: Camera Select
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