Device: Canon CR-N500/N300

Introduction

The Canon CR-N500/N300 Device Core is still in alpha with most of the feature set available to control. At this point control is VISCA over IP.

Please notice currently the Canon CR-N500/N300 camera does support block inquiry commands over IP, however not all current settings on the camera will be transmitted back to our controllers.

-Some settings may start with a display of ? but should reflect true once set.

-Some settings my start at a default different then the current camera state but will reflect true once set.

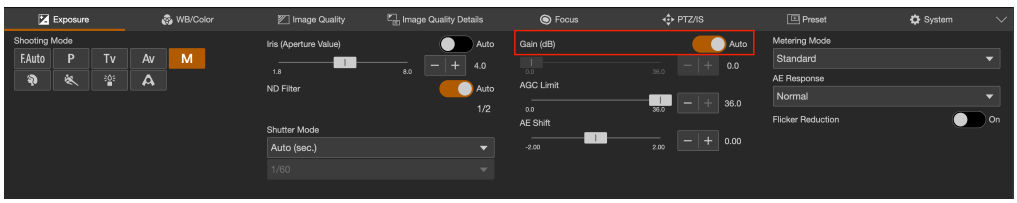
The implementation is done on firmware version: CR-N500 v. 1.0.0, CR-N300 v. 1.0.0

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.

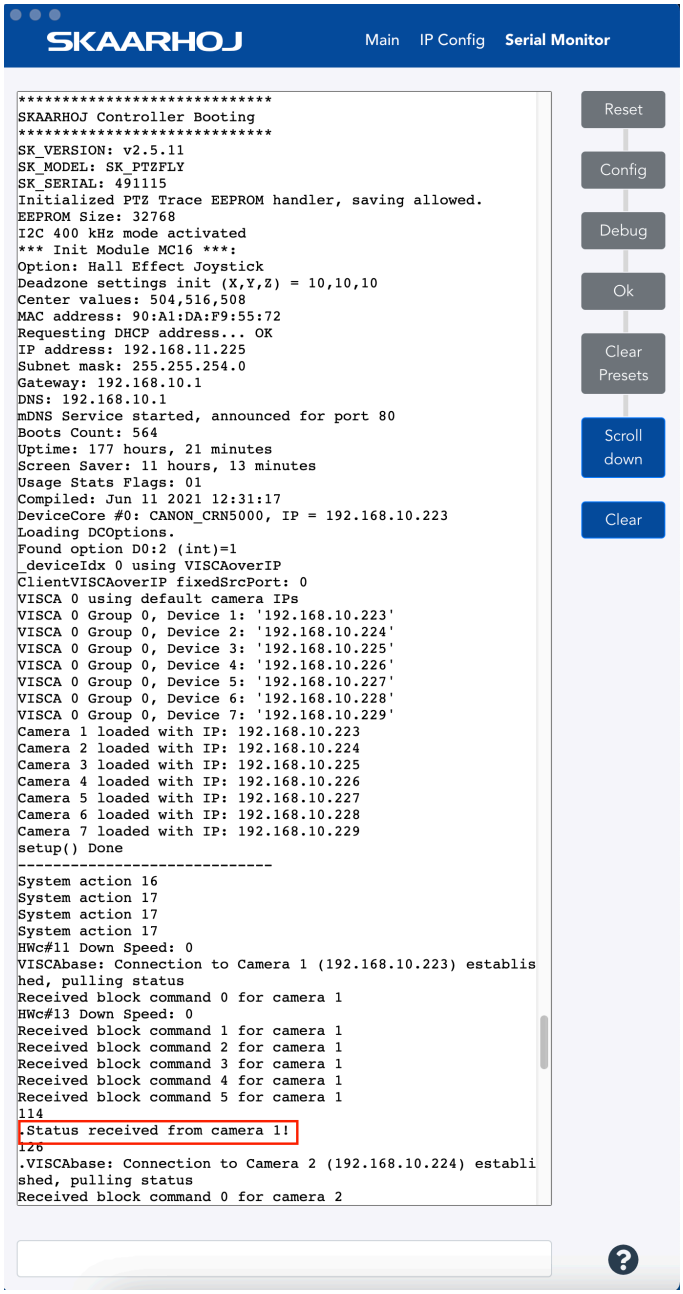
Known Issues

When the camera is set to Manual Exposure, gain will still auto update unless Gain Auto is disabled via the camera's web interface. We do not have control of this features remotely at this time.



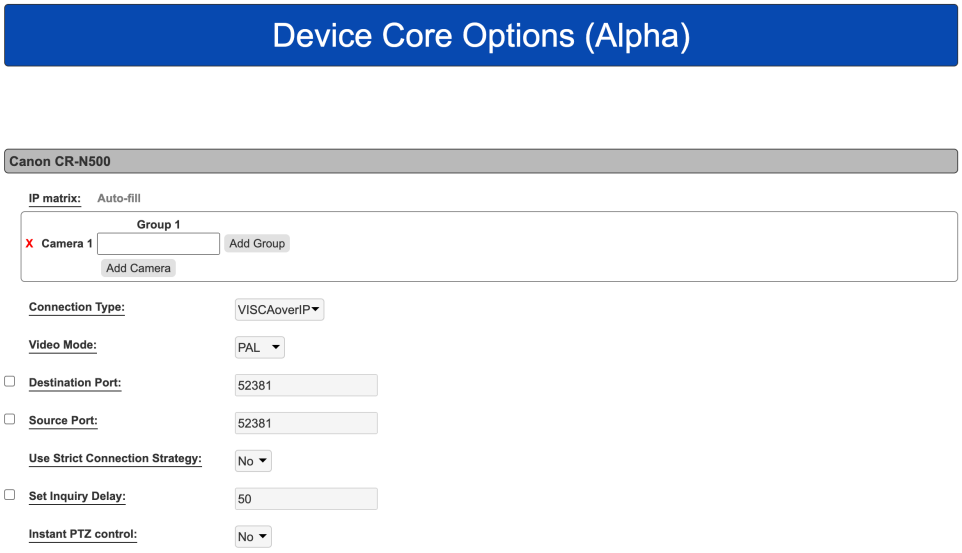
Connection

When a controller have successfully established connection to the camera the serial monitor will report "Status received from camera x!"



Device Configurations

Device configuration options exist. For most use cases, it is not needed to change any of the device core options settings.



Action Overview

- Canon CR-N500: Pan
- Canon CR-N500: Tilt
- Canon CR-N500: Pan/Tilt
- Canon CR-N500: Zoom
- Canon CR-N500: Zoom (Binary)
- Canon CR-N500: Focus
- Canon CR-N500: Focus (Binary)
- Canon CR-N500: Focus One Push
- Canon CR-N500: Picture Profile
- Canon CR-N500: Focus Settings
- Canon CR-N500: Zoom Settings
- Canon CR-N500: Exposure Mode
- Canon CR-N500: Iris
- Canon CR-N500: Shutter
- Canon CR-N500: Gain
- Canon CR-N500: AE Speed
- Canon CR-N500: Ex-Comp. Level
- Canon CR-N500: Metering Mode
- Canon CR-N500: AGC Limit
- Canon CR-N500: White Balance
- Canon CR-N500: WB One Push
- Canon CR-N500: WB Offset
- Canon CR-N500: WB R/B Gain
- Canon CR-N500: Matrix
- Canon CR-N500: Matrix Color
- Canon CR-N500: Detail Level
- Canon CR-N500: Detail Limit
- Canon CR-N500: Knee
- Canon CR-N500: Knee Param
- Canon CR-N500: Noise Reduction
- Canon CR-N500: Gamma
- Canon CR-N500: Gamma Settings
- Canon CR-N500: Preset
- Canon CR-N500: Preset Drive
- Canon CR-N500: System
- Canon CR-N500: ND Filter
- Canon CR-N500: Camera Group Select
- Canon CR-N500: PTZ Cruise Control
- Canon CR-N500: PTZ Trace
- Canon CR-N500: Speed Limit
- Canon CR-N500: Auto Shift level
- Canon CR-N500: Camera Select