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.
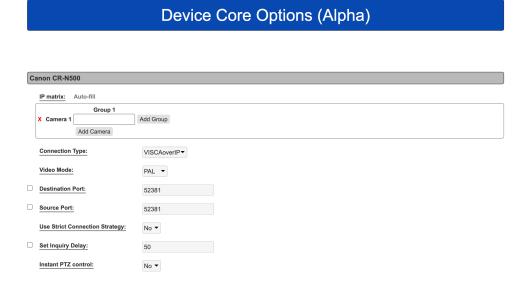
Connection

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.

Device Core Options (Alpha)

Canon CR-N500

IP matrix:	Auto-fill

Group 1
X Camera 1 [   ]   Add Group
         Add Camera

Connection Type:	VISCAoverIP ▾
Video Mode:	PAL ▾
☐ Destination Port:	52381
☐ Source Port:	52381
Use Strict Connection Strategy:	No ▾
☐ Set Inquiry Delay:	50
Instant PTZ control:	No ▾

Action Overview

Canon CR-N500: Pan	Canon CR-N500: Gamma
Canon CR-N500: Tilt	Canon CR-N500: Gamma Settings
Canon CR-N500: Pan/Tilt	Canon CR-N500: Preset
Canon CR-N500: Zoom	Canon CR-N500: Preset Drive
Canon CR-N500: Zoom (Binary)	Canon CR-N500: System
Canon CR-N500: Focus	Canon CR-N500: ND Filter
Canon CR-N500: Focus (Binary)	Canon CR-N500: Camera Group Select
Canon CR-N500: Focus One Push	Canon CR-N500: PTZ Cruise Control
Canon CR-N500: Picture Profile	Canon CR-N500: PTZ Trace
Canon CR-N500: Focus Settings	Canon CR-N500: Speed Limit
Canon CR-N500: Zoom Settings	Canon CR-N500: Auto Shift level
Canon CR-N500: Exposure Mode	Canon CR-N500: Camera Select
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	