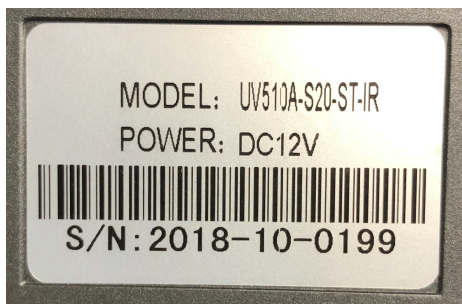


## Device: Minrray UV510A-S12/S20



### Introduction

A large number of parameters can be controlled on the Minrray UV510A-S12/S20 camera. Control is via VISCA over IP. The Device Core have been developed on a Minrray UV510A-S20-ST-IR camera. The Firmware on the camera have the following details



MCU Version	V2.4.1 2018-7-12
Camera Version	V2.4.7 2018-9-12
AF Version	V2.5.3 2018-4-2

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.

### Compiling Firmware from Branch

**Special note:** Using regular Firmware update will not work currently. In order to get a test firmware that works, please use the branch: `visca_minrrayptz_implementation`

Please observe this is subject to change without notice.

### Number of Cameras possible to control

Please notice from the Minrray 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 Minrray 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 Minrray Device Core installed per controller.

## Device Configurations

Device configuration options exist:

*Will soon be updated*