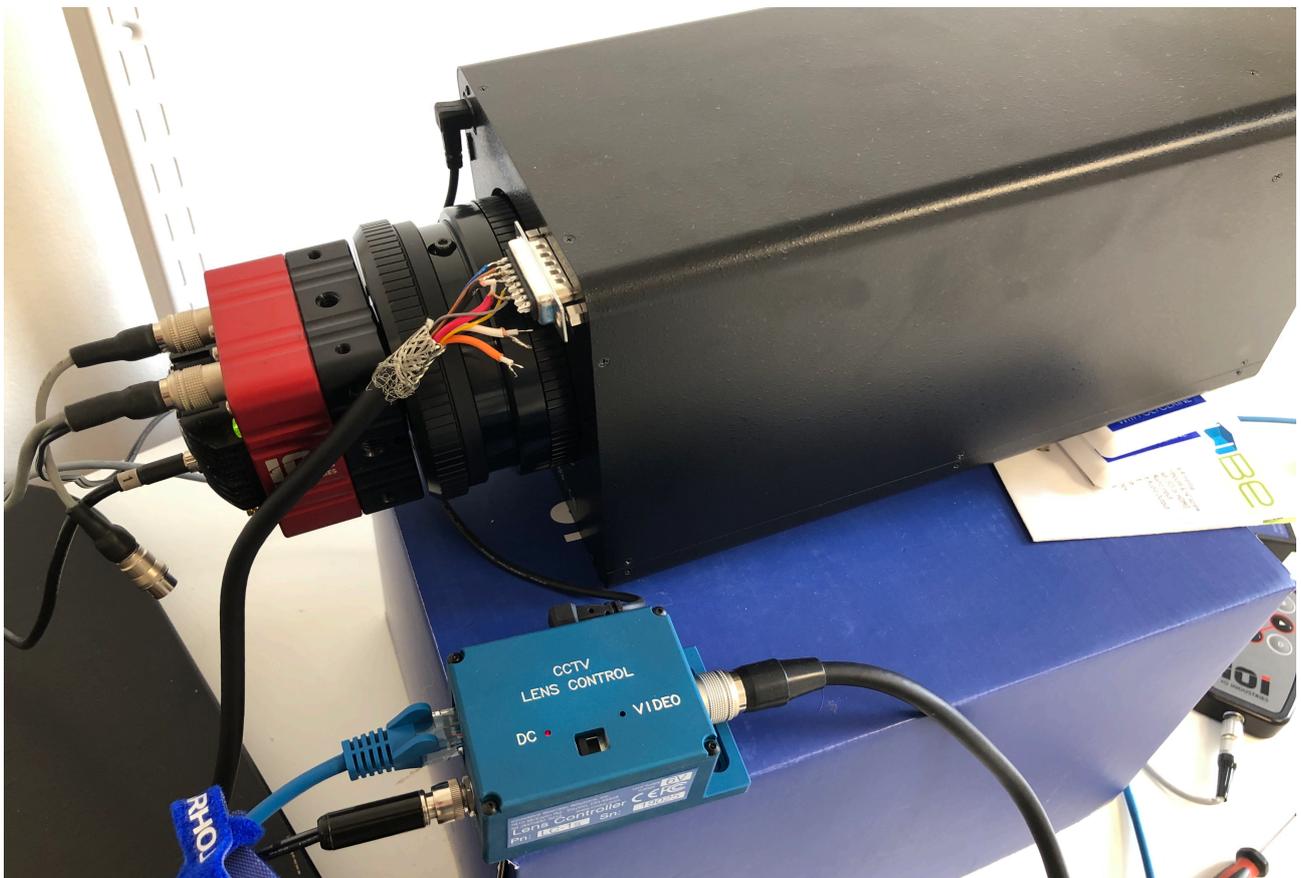


# Device: ISSI LC-1S Motorized Zoom Lens Controller



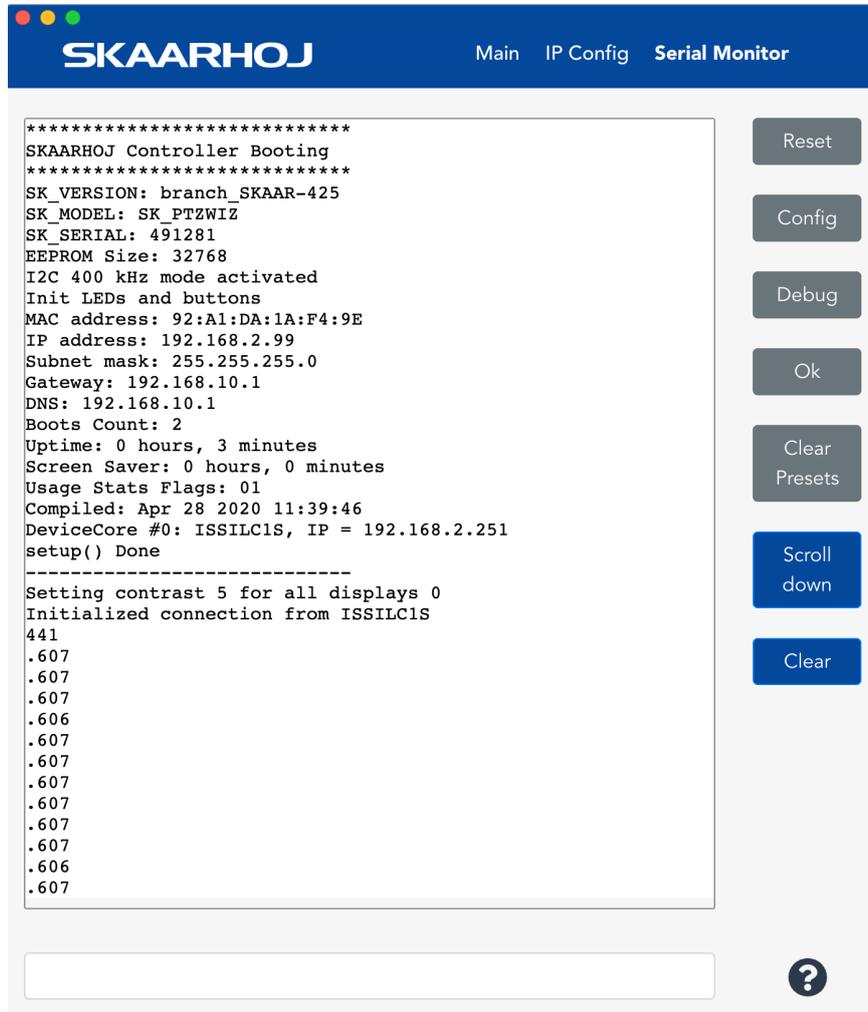
## Introduction

The Zoom Lens Controller LC-1S from ISSI (<https://innssi.com/motorized-zoom-lens-control/>) can be controlled from a SKAARHOJ panel. The Device Core have been developed to support additional lens control for IO Industries Victorem cameras, but can be used in other applications as well. The integration have been done on a 35x 3 MEGA 2/3" F=21-750mm F4.2 box lens from ADL.



## Confirm Connection

The Serial Monitor from the Firmware Application can be used to monitor connection status. Connection to the LC-1S have been established when the message "Initialized connection from ISSILC1S" appears.



## Actions

An excerpt of the actions in the Device Core



For each of the 3 actions there is a “balance/speed” value that can be set as well. This can either be set to a fixed value or the balance/speed value can be set to a Memory parameter (K-N) which then can be controlled elsewhere on a controller to have on the fly adjustments. Find a value suited for your lens.

This is a table of actions for ISSI Lens Controller

<p><b>Iris</b></p> <div style="border: 1px solid #ccc; padding: 5px;"> <p>#10 <b>Settings</b></p> <p>ISSI LC-1s: Iris    x10 Balance Point: 20    <input checked="" type="checkbox"/> Open  <input checked="" type="checkbox"/> Close</p> <p>+    -</p> </div>	<p>Controls Iris</p> <p><i>Binary inputs:</i> Adjust iris up/down per button press with the selected "balance" and Open/Close setting. A preset Balance Point can be defined or it can be assigned to Mem K-N and be adjusted via the Memory Parameter elsewhere on a controller to adjust "on the fly".</p> <p><i>Pulse inputs:</i> Cycles iris open/close with the selected balancevalue. Setting Open/Close does <i>not</i> affect a pulse input. A click on an encoder will toggle between coarse/fine mode.</p> <p><i>Analog inputs:</i> Not implemented.</p> <p><i>Speed inputs:</i> Not implemented.</p> <p><i>Binary outputs:</i> Not implemented.</p> <p><i>Button colors:</i> Dimmed but highlighted when pressed</p>
<p><b>Zoom</b></p> <div style="border: 1px solid #ccc; padding: 5px;"> <p>#10 <b>Settings</b></p> <p>ISSI LC-1s: Zoom    x10 time ms: 16    <input checked="" type="checkbox"/> Tele  <input checked="" type="checkbox"/> Wide</p> <p>+    -</p> </div>	<p>Controls Zoom</p> <p><i>Binary inputs:</i> Adjust zoom in/out per button press with the selected "speed" and Tele/Wide setting. A preset Speed can be defined or it can be assigned to Mem K-N and be adjusted via the Memory Parameter elsewhere on a controller to adjust "on the fly".</p> <p><i>Pulse inputs:</i> Cycles zoom in/out with the selected speed value. Setting Tele/Wide does <i>not</i> affect a pulse input. A click on an encoder will toggle between coarse/fine mode.</p> <p><i>Analog inputs:</i> Not implemented.</p> <p><i>Speed inputs:</i> Not implemented.</p> <p><i>Binary outputs:</i> Not implemented.</p> <p><i>Button colors:</i> Dimmed but highlighted when pressed</p>
<p><b>Focus</b></p> <div style="border: 1px solid #ccc; padding: 5px;"> <p>#10 <b>Settings</b></p> <p>ISSI LC-1s: Focus    x10 time ms: 28    <input checked="" type="checkbox"/> Far  <input checked="" type="checkbox"/> Near</p> <p>+    -</p> </div>	<p>Controls Focus</p> <p><i>Binary inputs:</i> Adjust focus far/near per button press with the selected "speed" and Far/Near setting. A preset Speed can be defined or it can be assigned to Mem K-N and be adjusted via the Memory Parameter elsewhere on a controller to adjust "on the fly".</p> <p><i>Pulse inputs:</i> Cycles Focus Far/Near with the selected speed value. Setting Far/Near does <i>not</i> affect a pulse input. A click on an encoder will toggle between coarse/fine mode.</p> <p><i>Analog inputs:</i> Not implemented.</p> <p><i>Speed inputs:</i> Not implemented.</p> <p><i>Binary outputs:</i> Not implemented.</p> <p><i>Button colors:</i> Dimmed but highlighted when pressed</p>