

1. Cover your benchtop with white paper or cardboard
2. Place soft spacers equal to the CIS working distance (typically **6 mm**) e. g. business card stacks
3. Place the CIS window down onto the spacers
4. Connect Camera Link Cable(s)
5. Connect Power Supply



6. Start the Terminal Program for serial communication and set the parameters (typically 9600,8,1,N)
7. Turn the power on.- A startup message should appear
8. Choose a test pattern and grab (Main Menu V 0,0x30,0)



9. Blend Port Identifiers in (GET Menu “**SCL 1**”) and verify
return to original state with GET Menu “**SCL 0**”
10. Set free running Mode (Set Menu “**LTM 0**”)
11. Choose any Test pattern, grab and verify
12. Switch back to Video Mode **V 0,0,0**
11. Turn the light on (Main Menu “**L 1**”) Light should come on.
If not, please verify exposure Time setting
If the sensor restarts after turning light on please check power supply
12. Grab and verify a bright image
13. move one of the business cards manually below the sensor. You should be able to recognize items printed onto the business card
14. Run a shading calibration
15. Turn the light back on and check for a flat field image

```

UARTS initialized with 9600 Baud

(C)2018 Tichawa IP GmbH
All Rights reserved
Version CISStandard3 ARM V1.41
Init CIS.....done
Waiting for FPGA...
Init Camera Link Standard...done
Reading Correction Data ... 1 Tables
Menu: 2
PHD: YES
Dongle: 2
? Help
# Show Parameter
GDI Get Digital IN
L Light ON/OFF
PC Standard Pixelcorrection
PCP Phase Pixelcorrection
PCC Clear Pixelcorrection
PCR Restore Pixelcorrection
PCS Store Pixel Correction
PCN Set Pixel Corr Num
PPS Store Perma Parameters
SDO Set Digital OUT
SHR Software Reset
VER Show SW/FW Version
V Set Video Mode
-----
MMI Switch to MM Interface
SET Switch to SET Menu
GET Switch to GET Menu
HMI Switch to HMI Menu
MAIN:0

```