

Entwicklungsbuero EB Stresing

Cameras

All type of camera systems

Low Speed 3001

line rate 1 kHz

Binning

Mid Speed 3010

line rate 8 kHz

High Speed 3030

line rate 50 kHz

Cooled

Cooled Systems

Double Line Systems

Options

for CamControl

Spectroscopy

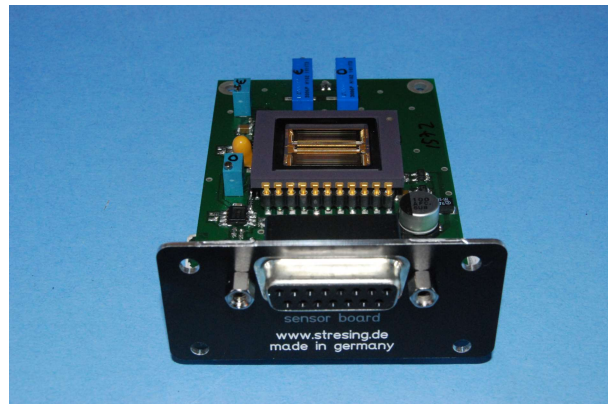
Low Speed Camera Systems FLCC3001

Camera Control

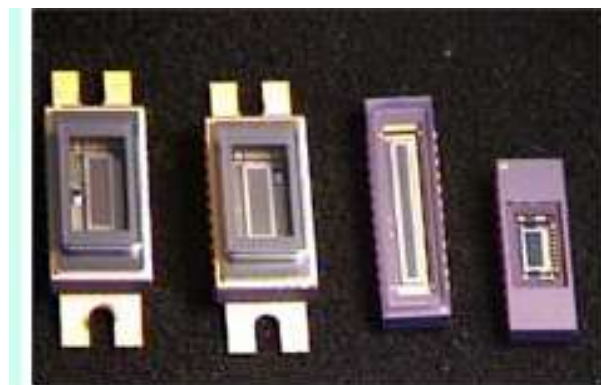
Our Cam Control (CC) is used to manage up to two sensor heads. The sensor heads are connected via 1.5m copper cable. The Cam Control is connected via fiber cable (default 5m, up to 100m on demand) to the PCIe interface board of the PC. Also the Cam Control can be equipped with additional [options](#).



Camera Control with 2 sensor heads



opened sensor head



FFT and PDA sensors

The Cam Control as well as the IO Control can be chained to other cameras of series 3001 (up to 8 cameras).

Sensors for sensor head

The best choice for spectroscopy applications are the Hamamatsu **PDA's** (Photo Diode Arrays) when long exposure times are needed or **FFT's** (CCD-arrays, FFT: Full Frame Transfer) with especially large pixel sizes and increased sensitivity for low light applications. The FFT can be used in binning mode to reduce the read noise. The InGaAs **IR** sensors are even available with an extended range (G11608).

The maximal line rate (mlr) for 1024 pixel sensor of series 3001 is 1 kHz. With 512 pixel we can reach 2kHz and with 256 pixel 4kHz.

Photo Diode Array (PDA's) with: VIS: 200 - 1000nm

Sensor	Pixel size [µm]	Pitch [µm]
S8380	50 x 2500	50
S8381	25 x 2500	25

CCD-Arrays (FFT's)

'Front illuminated FFT-CCD' S9970

VIS: 400 - 1100nm

Sensor	Act. area [mm]	Pitch [µm]	Pixel h x v	Sensor	Act. area [mm]
997X-906	12,29 x 1,44	24	512 x 60	S703X-906	12,29 x 1,44
907	12,29 x 2,98	24	512 x 124	907	12,29 x 2,98
908	12,29 x 6,05	24	512 x 252	908	12,29 x 6,05
1006	24,58 x 1,44	24	1024 x 60	1006	24,58 x 1,44
1007	24,58 x 2,98	24	1024 x 124	1007	24,58 x 2,98
1008	24,58 x 6,05	24	1024 x 252	1008	24,58 x 6,05


'Back thinned' S7031 and 7031'

All above mentioned 'back thinned' sensor types can be delivered as serie

- 7030 without cooling
- 7031 with cooling down to - 20 degree Celcius
- 7032 with cooling down to - 40 degree Celsius
- Sensor Typ -907 and -1007 deliverable as serie
- 7033 with doubled full well capacity and series

- 7034 doubled full well capacity and cooling to - 20 degree Celsius

	IRs	
Sensor	Pixel size	Sensitiv
	[μm]	[μm]
G11620	25/50 x 500	1-1.7
G11608	25/50 x 500	0.5-1.7



[Imprint](#) & [Privacy Policy](#)

Content and photos © 2019 by Entwicklungsbuero Stresing.
All Rights Reserved.