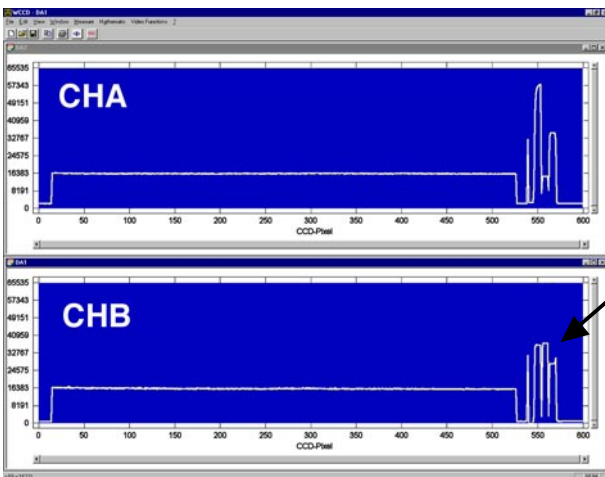


## Double Line camera for Spectroscopy

The Double Line Camera is intended for I/O Spectrometer Systems, where 2 spectras are sampled simultaneously with high repetition rates. Both lines are sampled exactly at the same time, as the lines are clocked with one master clock. The line rates are better 1 kHz ( better 1000 spectras per second).

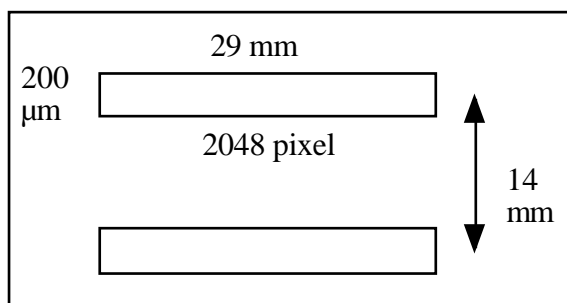


The Sensors are mounted as close as possible to each other, where the distance is given by the case of the sensor. The sensor board has an 1m cable to the control device, which has 2 cables with 3m length to the PCI- board of the Computer.



The control device can be ordered with 6 additional BNC-Inputs. These could be used for additional signals which are inserted in the video stream at the end of the line (here: 512 active pixel and in every channel 3 additional signals which are 8 pixel wide).

### Detector size 2xS9840



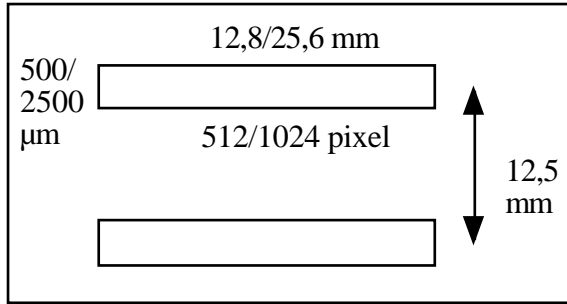
### Technical Data:

DL 9840  
Sensor  
2048 pixel a  
max. rep. rate

2x S9840  
14x200μm  
1.3 kHz

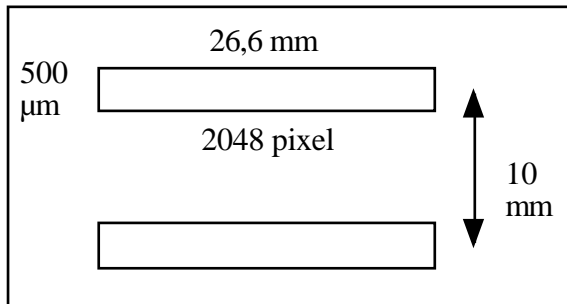
Price

on request



DL 3900  
 Sensor 2x S3903/4  
 512/1024 pixel a 25x500/2500μm  
 max. rep. rate (512 pixel) 2,5 kHz  
 max. rep. rate (1024 pixel) 1,25 kHz

**S3903**  
**Price (512 pixel/500μm) on request**  
**Price (1024 pixel/500μm) on request**



DL 6  
 Sensor 2x IL-C6  
 2048 pixel a 13x500μm  
 max. rep. rate 3,3 kHz

For this application the PCI board must get a special adaptor board for the second channel.

A complete System consists of the following items:

- 1 PCI- Interface with FIFO**
- 1 Adaptor for 2. Channel**
- 1 Win Driver packet with examples (all 32bit systems)**

**option: Surcharge for additional photodiode signal inputs**

A well suited spectrometersystem for the above shown double line cameras would be for example a Shamrock SR303i with an Imaging- area of 28x14mm. Please ask for an offer.



2x S9840 Camera DL9840



Shamrock SR303 Spectrometer with DL9840