

The **SPC008** is a representative from the modular camera system, which especially configured for examination of problems of the industrial picture processing. He draws itself by extensive possibilities of the exposure regulation and a variable cross-hairs generator.



Properties of SPC008

- **CMOS-sensor
640 X 480 pixels 1/3"**
- **CS-Mount optics**
- **Video output**
- **cross-hairs generator (optional two independent cross-hairs)**
- **AOI-definition for exposure**
- **Test-pictures**
- **several algorithms for exposure control**
- **The camera you can remote control and called up the internal parameters.**

Applications of SPC008

- **General application around the industry and security**
- **Position watching of objects**
- **Applications at objects with reflections**
- **use for management of buildings (guide for the determination of room illumination and presence checking)**

Technical data

- Cross-hairs:** free positioning cross-hairs
1, 2, 4 Or 8 pixels width (X and Y separate)
Cross-hairs black, white, dotted or pixel inverted (X and Y separate)
(Optionally 2nd cross-hairs or rectangle)
- Exposure :** fixated adjustable 54 μ s .. 26ms (with full picture rate, to 200ms at reduced picture rate)
automatic with four eligible exposure control modes
- Incrementell
 - arithmetical
 - Integral
 - exposure control based on a Histogramm
- two filter are usable to process the actual values
- Sliding average value over n values
 - Median over n values
- Control parameter are free adjustable
AOI-definition for limitation the used picture array to exposure control
- control :** settings and steering with the help of commands via RS232.
For the communication are about 40 high level commands implemented. Any terminal program can used as software.

Special functions :

- picture freeze
- levels of grey test pattern
- grid test pattern
- memorize the settings on EEPROM
- Recall the default settings

- inquiry a coefficient of sharpness
- inquiry a coefficient of a brightness distribution value

- supply :** 8..30V dc / 2,5W
- output :** 1Vss at 75 Ohm, BAS-PAL b/w
- sensor :** 640 x 480 pixels CMOS, 1/3"
- optics :** CS-Mount (C-Mount)
- dimensions:** 55mm x 55mm x 75mm (BxHxT without optics)
- weight:** 250g (without optics)