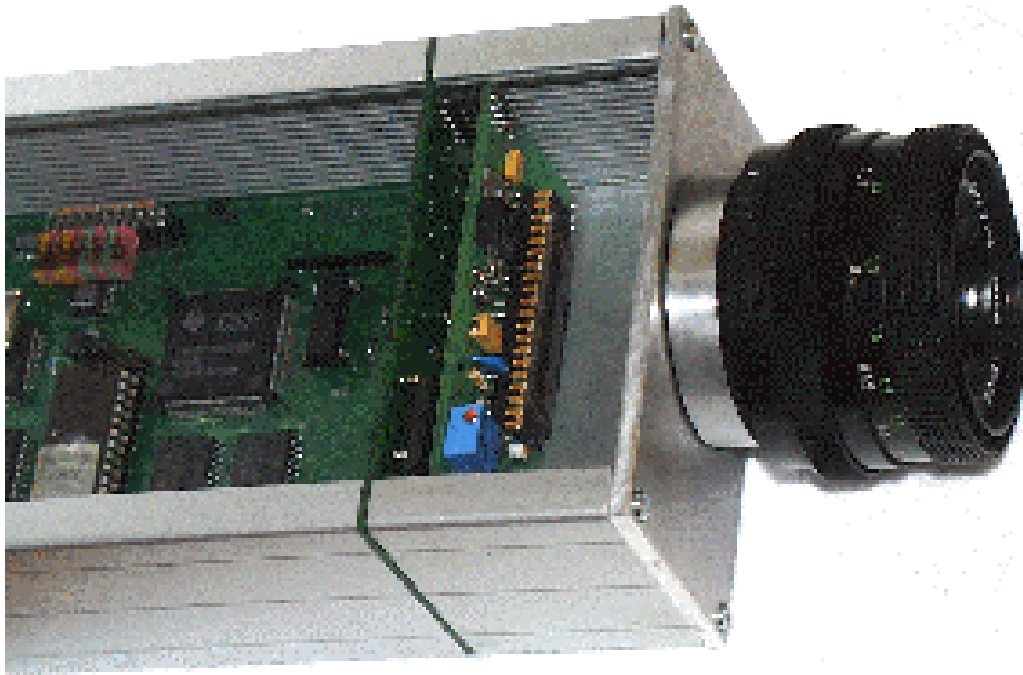


HD-line-camera LK2048

Line-camera with high dynamics and integrated processing unit

Technical data:

Pixelcount	:	2048 (15 μ m x 450 μ m)
Conversion	:	AD-converter 12 bit (black/white)
Exposure	:	1E-6 .. 4s (integration time) regulation automatically (limits adjustable) type of regulation and speed programmable global dynamic range 177dB
Trigger impulse	:	free running external, one line or a sequence of lines
evaluation	:	1 processor for control and evaluation storage up to 256 lines filtering, compression, summation / subtraction of pictures free programmable image processing
Transmission	:	RS232 or RS485 only graphic data / only results or combinations of them with his own protocol calculator (8051 or RISC)

The **LK2048** distinguish itself by their high global dynamics. They are used to the image capture by heavy staggering light proportions.

The integrated processor (a TMS320C50) realizes the control of the Sensors and a evaluation of the picture informations. The data exchange takes place via a separate controller.