

Mikrotron MC1309

Fast 1,3 MPixel colour CMOS Imaging Camera



MC1309-

Specialties

Colour Base Camera Link® Camera up to 100 fps

The MC1309 offers superior image quality for fast imaging and machine vision applications. 1024 greylevels and up to 100 frames per second provide insight to assembly and production processes at elevated speeds.



The F-Mount Lens interface allows for use of SLR lenses with perfect coverage of the MC1309's large 1 1/4" image sensor.

Application Areas

- Inspection
- Control
- Light section profiling
- Motion analysis
- Fast area inspection
- Imaging beyond CCD frame rates

Application Examples:

- Surface inspection
 - Assembly inspection
 - Print Inspection
 - Chip card inspection
 - Punched part inspection
 - Healthcare motion analysis
 - Packaging analysis
 - Sorting
 - Fast light section body scanning
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Technical Data MC13xx:

- CMOS progressive scan sensor
- Resolution: 1280(H) x 1024(V) Pixel
- Sensor format: 15,36(H) x 12,29(V) mm, 12 x 12 μ m pixel size
- Frame rate inverse proportional to Roi height
- Free selection of image resolution and frame rate (interdependent)
- Pixel digitization: 10 Bit oder any 8 of 10 Bit
- Internal timing or externally triggered full frame shutter
- Pixel binning, horizontal und vertikal for sensitivity increase
- 9 control profiles, each including all camera control parameters
- Shock proof up to 70G/10ms
- Low power dissipation, 6.5W max.
- Compact, robust design

Technical Data MC130x:

- Frame rate: Up to 100 frames/s (fps) at full resolution
- with reduced Roi: e.g. 1.000 fps at 102 lines Roi height
- Frame grabber interface: Base Camera Link®
- Max. data rate: 132 MByte/s.
- 2 Taps (2x 8 or 2x 10 bit data transfer)

Technical Data MC1309:

- Colour sensor with Bayer filter
- F-Mount lens mount