

MATRIX/LINE CAMERA

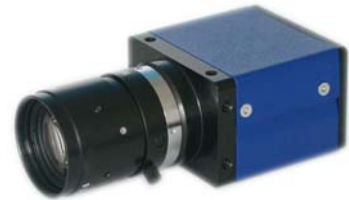
Matrix/Line Camera UK1155-Z

- a cost-saving alternative -

The ABS matrix cameras can be used as a replacement for common line cameras in many cases. The UK1155-Z camera has a special firmware for combined operation as both matrix and line camera considering separated line and frame trigger signals. Thus it is possible to switch between matrix and line mode with any number of lines easily. Using the high speed USB2.0 interface enables the camera to be operated at any standard PC. Low noise image data can be transmitted with up to 10 bit depth. A pixel size of $5,2 \times 5,2 \mu\text{m}^2$ provides a sufficient signal-to-noise ratio.

Features:

- Compact body ($31 \times 45 \times 50 \text{ mm}^3$)
- Interchangeable full frame and line mode
- Multi line capability
- Multi line frequency up to 8 kHz
- External line and frame trigger
- Attractive price/performance ratio
- Single line frequency of 2,3 kHz at a line width of 400 pixel



Label to be inspected



Unrolled image for layout check

Fields of application:

- Label check on rotating objects
- Barcode or matrix code recognition
- Layout check, graphic arts and packaging industry etc.
- Quality control in paper and textile industry

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The camera can be operated both in free running mode and externally synchronized by row and frame trigger signals.

Overview about achievable single-row frequencies

row width / pixel	maximum row frequency / Hz
1280	980
1000	1200
800	1400
600	1766
400	2300

Multi-row images are taken by synchronous capturing of several neighboring rows.