

MELISCOUT  
vision engineering



**Quality Control | Pharmaceutical Industry**  
VISION SECURE - Smart Camera

VISION SECURE

# An Intelligent Eye for Pharmaceutical Packings!



Code reading.



Measure and Compare.



Verify plain text.

Combining high speed photography with powerful image analysis, smart cameras nowadays often represent the core of automated quality control: A great variety of parameters for products and printings can be inspected and assessed in no time. This way reliable quality tests can be implemented according to pass/fail criteria determined beforehand, including transfer of results.

The VISION SECURE model, recently launched by **MELISCOOUT • Vision Engineering**, perfectly matches the requirements of pharmaceutical, cosmetics and food industry. During development, not only technological aspects, but also most stringent regulations with respect to cleaning requirements have been taken into consideration. The small embedded system is suited for numerous automatic inspection tasks and resolutely pursues the “easy to handle” principle. This means:

- | Intuitive operation via touchscreen.
- | Self-explanatory system, no particular formation required.
- | Neither programming knowledge nor separate PC required.
- | Saving time without any compromise concerning quality.

Image analysis can be performed for applications like detection of deviations on packings (important for pharmaceutical industry), reading of barcodes and data matrix codes, optical character reading (OCR/OCV), indication of positions, dimensional control, and many other tasks frequently arising in production. Features for flexible adaptation to particular requirements in packing processes are provided. Single camera as well as multiple camera configurations including up to 16 items are available. A stable metal case protects optics and electronics even in harsh industrial environment.

### Die Stärken der VISION SECURE auf einen Blick

- I Complies with requirements of regulated surroundings like in pharmaceutical and food industries.
- I Automatic audit trail (logbook)\*
- I Multilevel user and password management\*
- I Integrated format management and library
- I Production statistics

### Specification Camera

- I Standard dimensions (case) 40x40x80 mm
- I Viewing direction straightforward or 90°
- I LED illumination included, external illumination\*
- I Resolution: 1.2 megapixel (standard), high resolution versions upon request
- I Analysis time up from 70 ms (depending on application)
- I 24 V DC technology for power supply, 4 inputs, 4 outputs or 8 I/O\*

### Touch Display

- I Color display, standard sizes
- I 12", resolution 1024x768, panel mounting or with IP65 case
- I 7", resolution 800x600, IP 65 case

### Pre-programmed Applications

- I Barcode reading, e.g. pharma code, code 39, code 128,...
- I Data matrix code reading ECC200
- I Code control and verification
- I Printing inspection
- I Optical character reading\*
- I Position measurement and dimensional control
- I Inspection with respect to missing product details

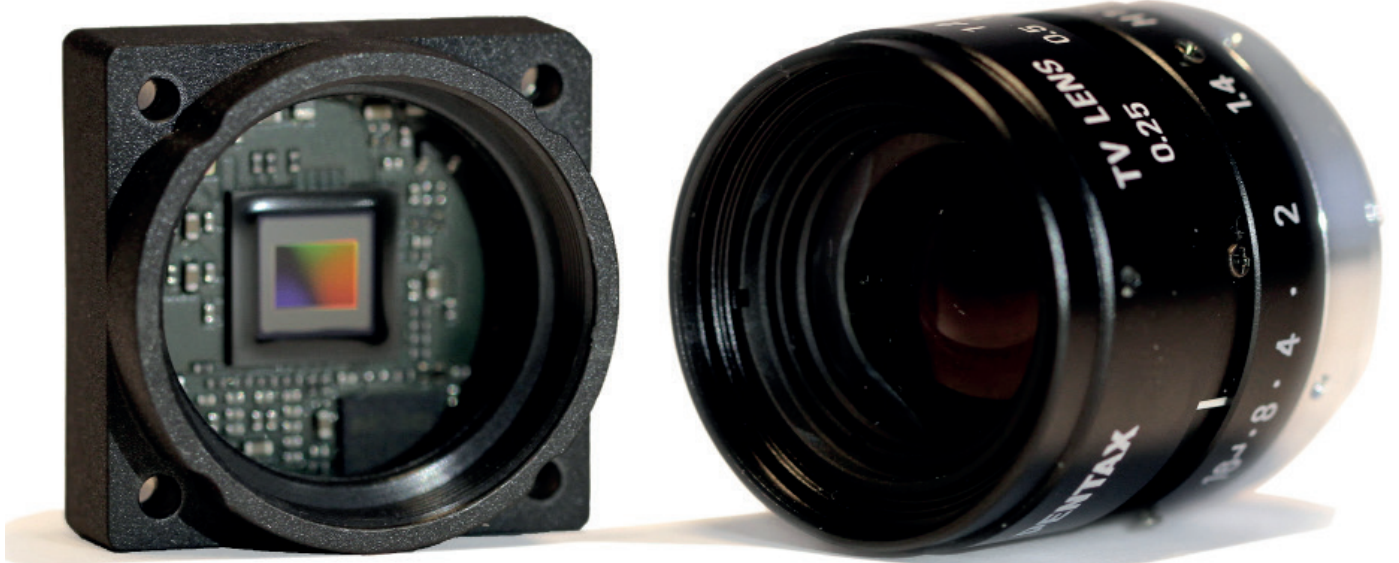
### System Properties

- I Each camera can perform up to eight control tasks simultaneously
- I Count statistics for each task
- I Routines once implemented can be saved for retrieval and re-using (format library)
- I One screen can manage up to eight cameras
- I Up to four password levels configurable
- I Alarm screen (text and color) for internal and external trouble
- I Remote maintenance\*

\* = optional

We designed this camera based on the pharmaceutical GMP requirements and with optimum technical standards ...

...to protect your products!



With optical intelligence to safe products.



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