

Datamatrix Software Module

The Datamatrix software module can be used in many different ways for code recognition in the most diverse applications.

There are two operational modes, Read and Compare. In Read mode the code content respectively OK/NOK for read/not read is displayed, in correspondence with the parameterized interface. Whether the code content matches the comparison code is tested in Compare mode.

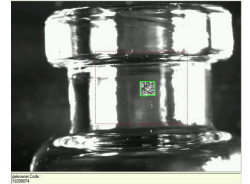
Features

Supported Codes: Data Matrix ECC200 (based on the ISO 16022 Standard)

- Decode up to 100 datamatrix codes in one image
- Automatic learning function based on images taken, for recognition optimization
- Multi-reader function for reading multiple codes in one image
- Omni-directional
- Automatic code type recognition
- Code type can be set
- Automatic correction of perspective distortion, code damage, and light changes
- Code content check using comparison code
- Check code twist
- Code angle can be displayed over interfaces

Codes can be on different materials like metal, plastic, rubber, glass, film, paper etc..

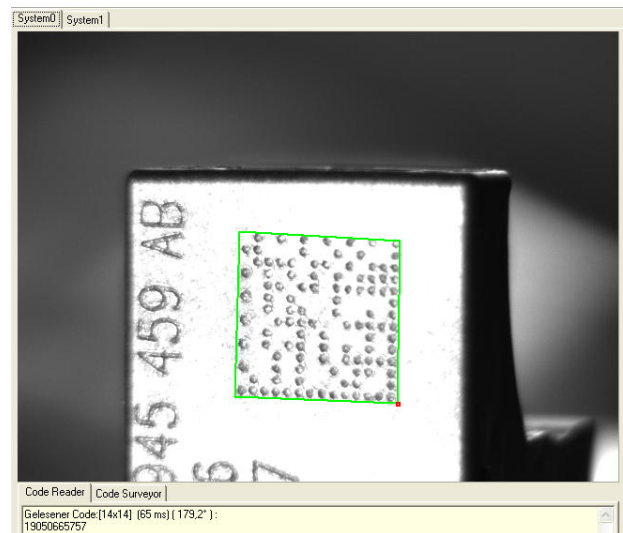
Code-Surveyor 2D (Datamatrix Module enhancement)



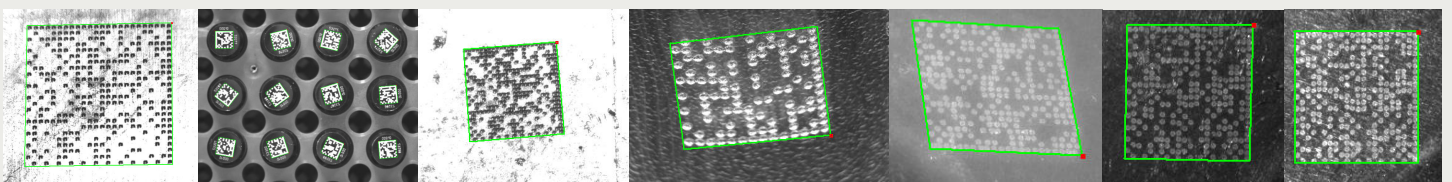
- Quality control for objective code evaluation based on ISO/IEC 15415 / ISO/IEC 15416
- Digital output signal when a parameterized quality threshold is reached
- Single and complete evaluation of the quality grades

Checked parameters:

- Axial nonuniformity
- Grid nonuniformity
- Symbol contrast
- Unused error corrections
- Fixed Pattern Damage
- Modulation and
- Decode.



Datamatrix recognition



keeping an eye on quality