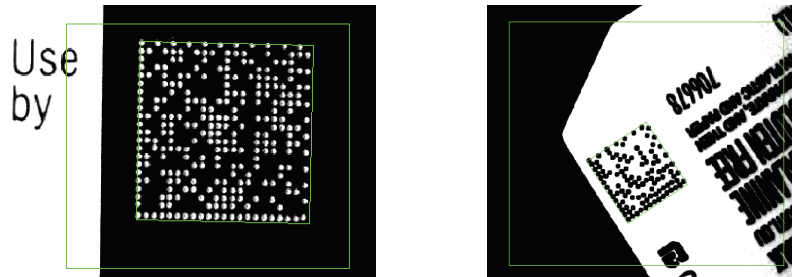


Application Note

2D Datamatrix Code Decoding, Identification and Verification

Capability

Our smart cameras have robust 2D code algorithms which will reliably decode and identify 2D codes in all rotations within a search region.



Examples

Hardware

Typical hardware requirement:

- Camera
- Integrated Lighting
- I/O Cable
- Trigger Sensor
- Ethernet Cable

Method

- A reference image is captured by the camera
- A search region is set (which can be all or part of the entire image)
- The smart camera can be set to decode or to verify
- A pass/fail output can be set for non-conforming codes (incomplete or wrong match)
- The code string can be output to an external device such as a CIM for matching/data recording

Considerations

- IP rating requirements
- Communication protocols of the host system
- Means available to receive/output code strings to/from the smart camera
- The number of different 2D codes to be checked

Offer

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