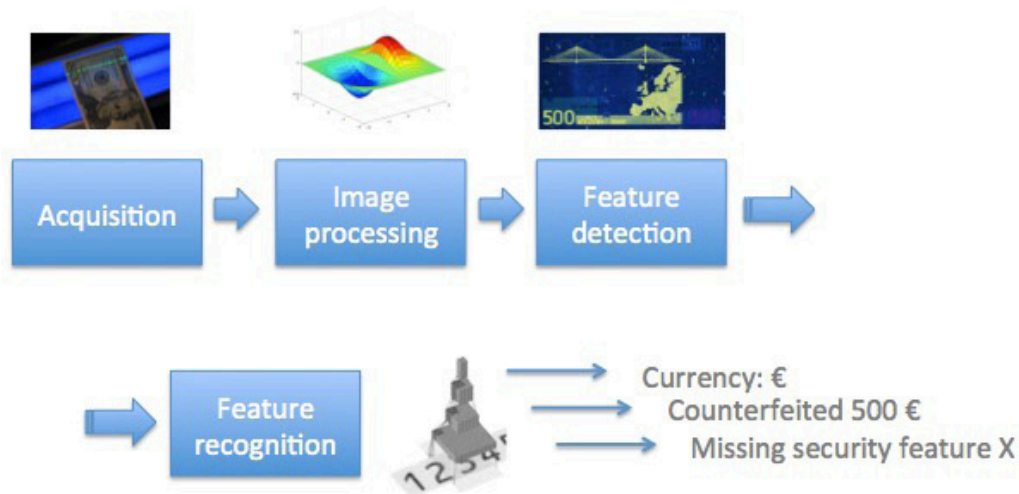




# Vision system for anti-counterfeiting

## Banknotes feature recognition

We propose a standalone anti-counterfeiting vision system capable of detecting and recognizing currencies, value of banknotes, security features, and counterfeited bills. This miniaturized system could be low cost and easily integrated in pre-existing systems.



### Characteristics of the vision system

- Feature acquisition (with UV or white backlight)
- Dedicated camera with embedded processing
- High recognition rates
- Scalable (support of various currencies)
- Adaptable to new security features
- Small size
- Low power
- Low cost

### Feature recognition

- Template & filter matching
- Adaptive learning
- Optical Character Recognition
- Feature localization & recognition
- Robust to banknote deformations

