



Digits Recognition with Quadrant Photodiode and Convolutional Neural Network

- Quadrant Photodiode based gesture recognition sensor was elaborated and collected data were processed by Convolutional Neural Network
- High recognition of digits has been achieved (up to 86%)
- However results are closely related to training set of Convolutional Neural Network
- Proposed sensor can find application as non contact input method (e.g. PIN entering)