Abstract

Currency recognition is an important area of pattern recognition. A system for the recognition of currency is one kind of intelligent system which is a very important need of the current automation systems in the modern world of today. Currency Recognition and is implemented to reduce human power to automatically recognize the amount monetary value of currency and without human supervision. The software interface that we are proposing here could be used for various currencies (we are using four in my paper). Many a times, currency notes are blurry or damaged; many of them have complex designs to enhance security. This makes the task of currency recognition very difficult. So it becomes very important to select the right features and proper algorithm for this purpose. The basic requirements for an algorithm to be considered as practically implementable are simplicity, less complexity, high speed and efficiency. Our main aim is to design an easy but efficient algorithm that would be useful for maximum number of currencies, because all currencies have different security features, making it a tough job to design one algorithm that could be used for recognition of all available currencies. Writing different programs for all is also a tedious job. The algorithm used in my paper is SIFT (Scale
Invariant Feature Transform (SIFT) algorithm. The aim of the paper is to recognize the currencies.

References


Index Terms

Computer Science

Pattern Recognition
Keywords

Currency Recognition, SIFT, Digital Image Processing.