

Learning Computer Vision with OpenCV Library

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Overview

* What is OpenCV

"OpenCV is an open source Computer Vision library"

⇒ The library is written in C and C++.

⇒ OpenCV was designed for Computational efficiency and with a strong focus on real-time application.

⇒ OpenCV can take advantage of multicore Processors.

⇒ Because computer vision and machine learning often go hand-in-hand, OpenCV also contains a full, general-purpose Machine Learning Library (ML).

* OpenCV Structure

⇒ OpenCV is broadly structured into five main Components :-

① CV { Image processing and Vision Algorithms }

② ML { Statistical Classifiers & Clustering Tools }

③ HighGUI { GUI, Image & Video I/O }

④ CXCORE { Basic data structure and algorithms }

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