

Collecting and processing data from cameras for computer-human interaction.

Bui The Thanh

Abstract: This topic focuses on researching and implementing a system for collecting and processing data from cameras for human-computer interaction. The practical context shows that effective data collection plays an important role in many applications such as facial recognition, hand gesture recognition, and user assistance. The objective of this topic is to build a system that can automate the process of collecting data from interaction cameras and process them with high accuracy. The research method includes applying machine learning algorithms and image processing techniques to improve the quality of collected data. The expected result of this topic is a system that can automate and optimize the data collection process, contributing to the development of human-computer interaction technology.

Keywords: Data collection, image processing, communication camera, machine learning, recognition application