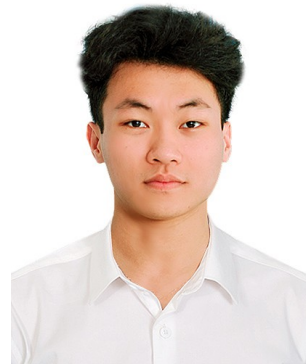


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Contact information: trantuan22052k@gmail.com



攔 **Thesis title:** Decode barcode image using YOLOv8 and REAL-ESRGAN

攔 Can solve the problem of reading and decoding low-resolution images barcode.

攔 The most interesting thing is The most interesting thing is image enhancement and restoration in a specific zone, which makes computers use fewer resources.

攔 **Expertise in subjects:** Computer Vision.

攔 The works I have done include: Read the research paper, learn about object detection methods, image improvement methods using generative neural networks, and implement code.

攔 Works I have published: Decode barcode image using YOLOv8 and REAL-ESRGAN.

攔 **Received honors and awards:** Member of the communications and diplomacy committee of the Vietnamese Student Association in Kaohsiung-Taiwan.

攔 **Preferred working location:** No. 415, Jiangong Rd., Kaohsiung City 80778, Taiwan (R.O.C.)

攔 **What you hope to do:** I want to be someone who can contribute to helping people.

攔 **Others:** I would like to express my deep gratitude to all the teachers and classmates who have helped me throughout the process of working and studying at 國立高雄科技大學 .

Decode barcode image using YOLOv8 and REAL-ESRGAN

System workflow

Image resized
416x416



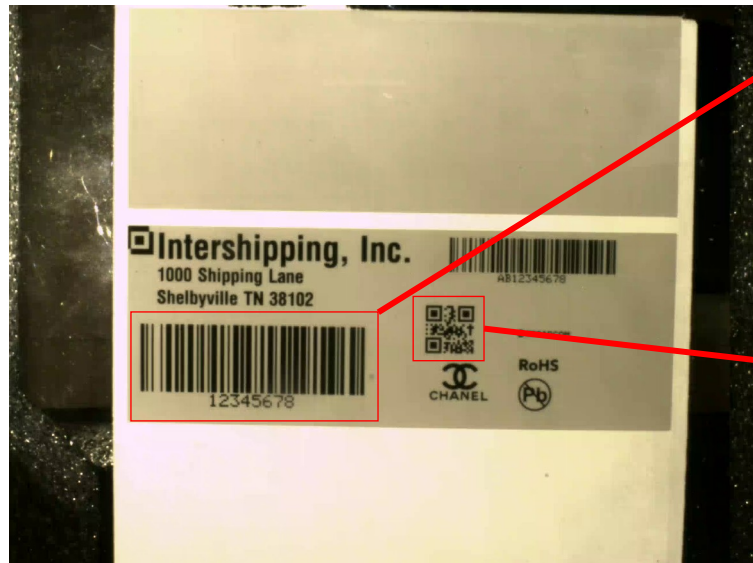
Yolov8 detected
barcodes image



Real-ESRGAN restores the
image barcodes



Use Pyzbar libraries to decode
restored Image barcodes

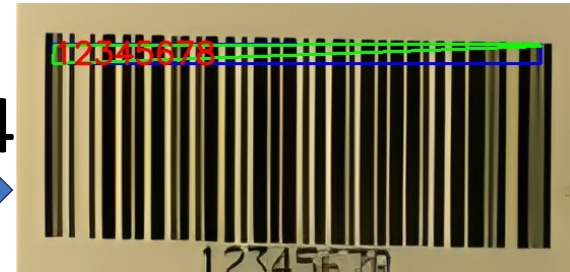


137x66



X4

548x264



37x46



X4

148x184

