

Efficient image transmission with image recognition and image processing techniques

Background and purpose

In order to transfer large amount of data such as images when the networks are seriously damaged, an efficient compression technique is necessary. The aim of this study is to develop an image compression method combining image processing and image recognition techniques.

Image recognition

Detecting regions that are important for humans

Image processing

Reducing the amount of image data preserving necessary information

Image coding

Efficient coding of images created by these techniques

Combining techniques



Highly efficient transmission with necessary information

Disaster situation

Confirmation of someone's safety