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Abstract
In recent years, the robbing cases of banks, financial institutions, silverware shops, automatic teller's machines, etc. grow rapidly. At present, 24H videotapes to monitor those places are usually made available to help the police solve the cases of break in. However, if the outlaws wear respirators or helmets, the videotaped images are rendered useless for failing to clearly identify the look of the outlaws. This paper concerns with the research of the image recognition for those cases. The early warning system will do effect in time when a person wears a respirator or a helmet. However, if the subject wears a facial mask, he or she may fool the detection of facial features. The surveillance system still fails to identify the facial features of the outlaw from the image recognition. This paper excludes the possibility of fooling the detection by wearing a facial mask to identify a legal subject by the human's facial features and measurement of body temperature.
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