Can the lockers be changed to face recognition

Can a face identification system identify authorized and unauthorized people?

Abstract: This research work proposes the designing and development of a smart locker system for domestic applications that uses a face identification system to identify authorized and unauthorized persons from opening and stealing valuables.

What are the performance evaluation criteria for smart lockers and face identification systems?

The performance evaluation criteria include testing procedures and protocols,and the experimental results are presented and analyzed. The research work concludes with suggestions for future research work in the field of smart lockers and face identification systems. Conferences > 2023 IEEE 2nd International C...

Can facial recognition unlock a door?

While fingerprint unlocking is already a popular option on smart locks (and,in my opinion,the easiest,fastest way to unlock a door),facial recognition will make the whole process totally hands-free.

What happens if an unauthorized person tries to open a locker?

If an unauthorized person attempts to open the locker,the system shifts to manual lock,and an additional shock protection mechanism is also implemented. The proposed system is expected to offer improved security and convenience for domestic applications.

How does facial recognition work?

using facial recognition with Convolutional Neural Network (CNN) as its backbone. Face Recognition (FR) - the process o recognising people through their facial features. Facial recognition has various no. of applications in access control, informati n security, and in surveillance systems. The concept of deep neural netw

How does a face identification system work?

The system is designed to integrate Raspberry Pi,camera,and keypad modules to recognize the authorizer and allow access to the locker. The face identification system uses open CV technology,and the Raspberry Pi is coded using Python programming language to achieve the desired output.

For face and voice recognition Bank locker we are using Face as well as voice to open the locker. To open locker by using Face we are interfacing Camera to Raspberry Pi: The implementation ...

Chinese people can self-choose whether to allow the delivery man to put the parcel into a smart locker, authorize the locker to activate and then use facial recognition to unlock parcels. ...

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After the above training, the CNNs of FaceNet can effectively extract the face feature vectors, and the face feature vector distance can be used as a similarity discriminator in face recognition. ...

This project simplifies the operation of bank lockers by using face recognition technology to unlock the lockers. The system ensures security through liveness detection and face comparison. It ...

In this system the bank will collect the face imprints of each person for accessing the lockers. Only authenticated people can recover the money, documents from the lockers as faces are stored ...

Am I allowed to cover my face when approaching a face recognition camera located in a public space? Section 94(227) of the Criminal Justice and Public Order Act 1994 give the police the power to require ...

To overcome the security issues faced with the locker system now-a-days, the locker security system is proposed using IoT (Internet of Things), face recognition and OTP (One Time Password).

could monitor entrance remotely. By doing so, the system is less likely to be deceived: since the owner can check each visitor in the remote console, getting recognized by the camera using a ...

To identify a person, it uses AI assistance for face recognition with the help of Python Dlib"s facial recognition network. Dlib offers a wide range of functionality across several ...

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