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A unified face identification and resolution scheme using cloud computing in internet of things

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*Highlights (for review)

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- Face identification and resolution system model is presented to implement the face identifier generation and identifier matching. It can effectively identify an individual and realize the identity resolution with face identifier in IoT application.
- Cloud computing-based face resolution scheme is proposed to resolve face image, control personal data access and obtain identity information service. It makes full use of the advantages of cloud computing to effectively meet the demands of computation power and storage capacity. Furthermore, it provides a unified face identification and resolution service platform for cross-industry and cross-platform IoT applications.
- The parallel resolution mechanism is proposed to improve the efficiency of face resolution.

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