# SCOSTA Compliant Employee ID Management System

CDAC has developed a Complete Smart Card based solution for authentication, attendance, access control and monitoring complying to the Indian Smart Card Operating System standard named SCOSTA. Catering to all the components of a Smart Card based system comprising of Smart Card Readers, Application File structures in cards and an Interactive Application has been designed. We intend to realize the usage of Smart Card based system across diverse needs through flexible configurations supported through an interpreter system.

Over all Design of the System
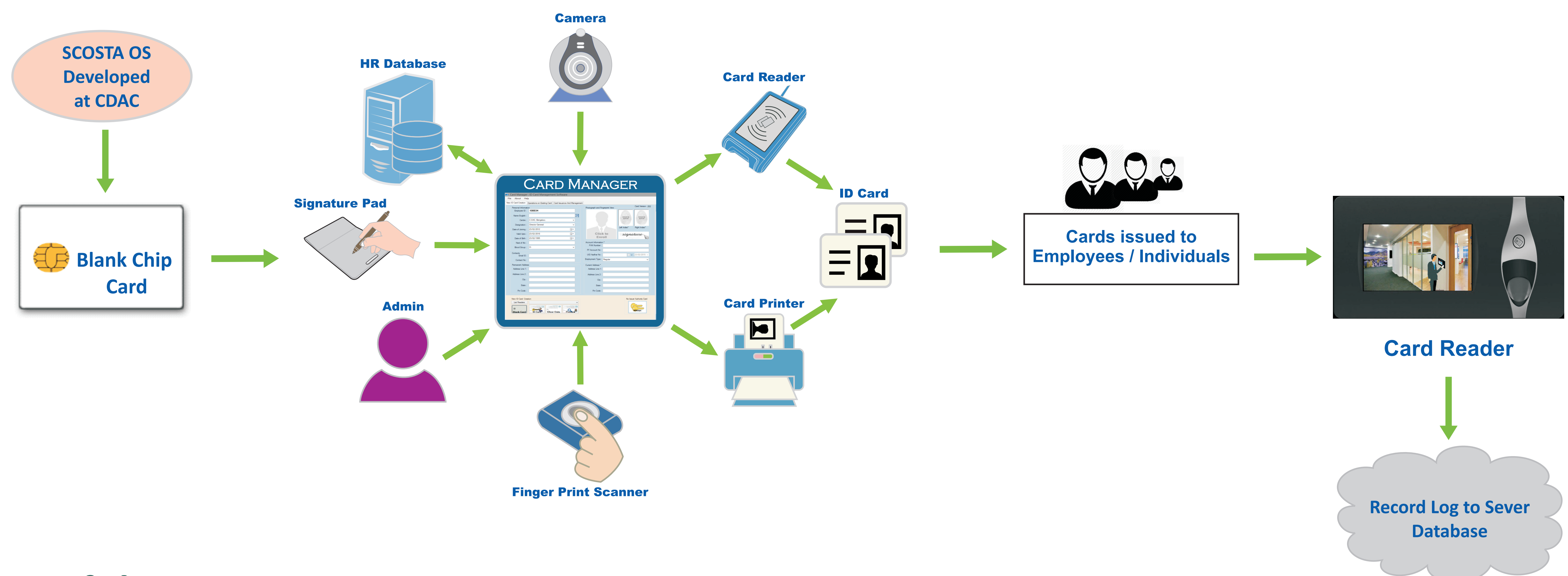

Components of the System

1. SCOSTA compliant Smart Card

- Smart card operating system developed by CDAC is compliant to SCOSTA-CL standard and Public Key Infrastructure (PKI).
- Both contact based & contact less interface supported
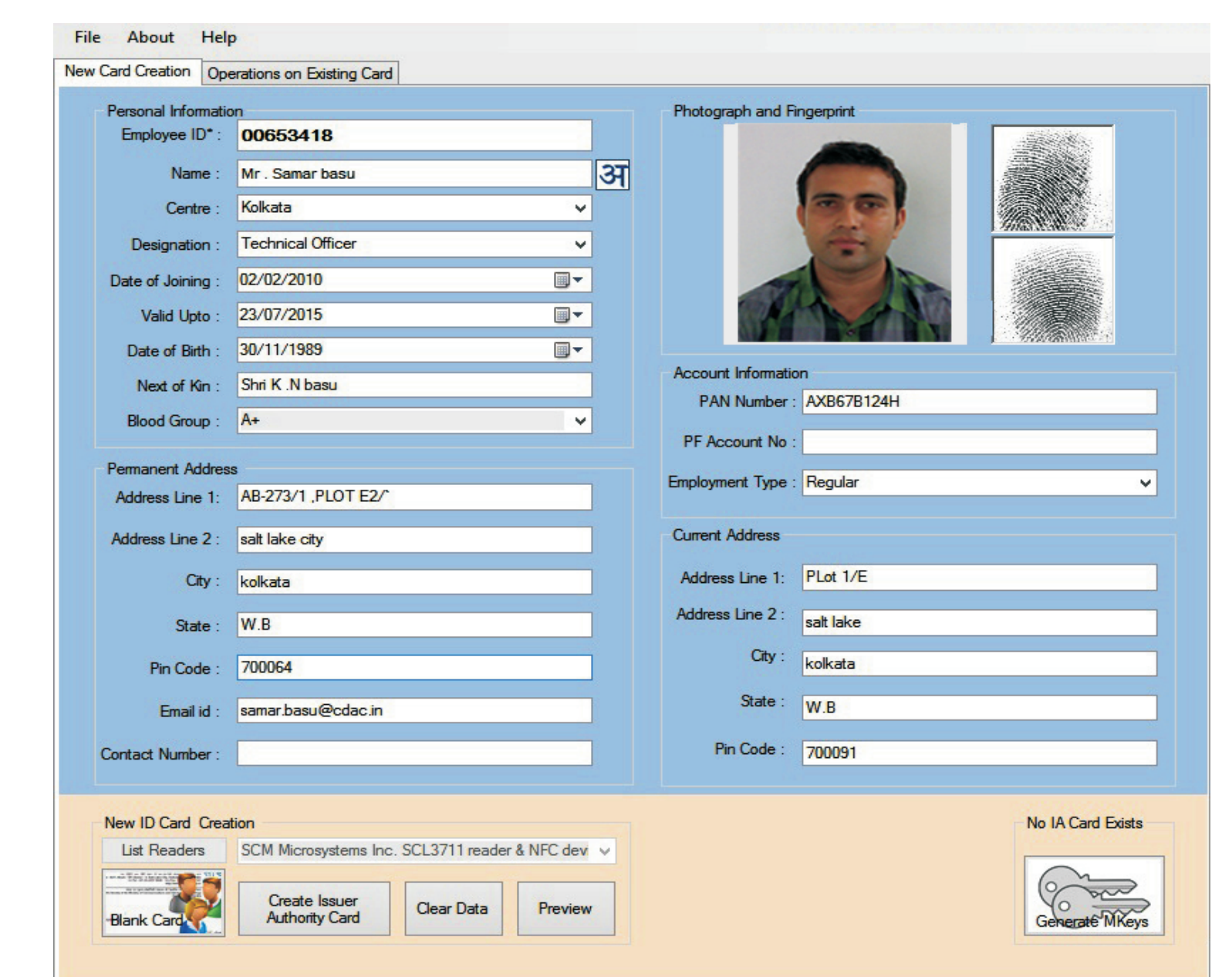- Compatible with ISO 7816 / ISO 14443 standards

2. Application design

- Cards with specific rolls
    - Issuer Authority (IA) card
    - Validator Authority (VA) card
    - Employee ID (EID) card
- EID Card will contain
    - Personal Information
    - Secured Finger Print Template
   - Photograph
    - Other Application Data
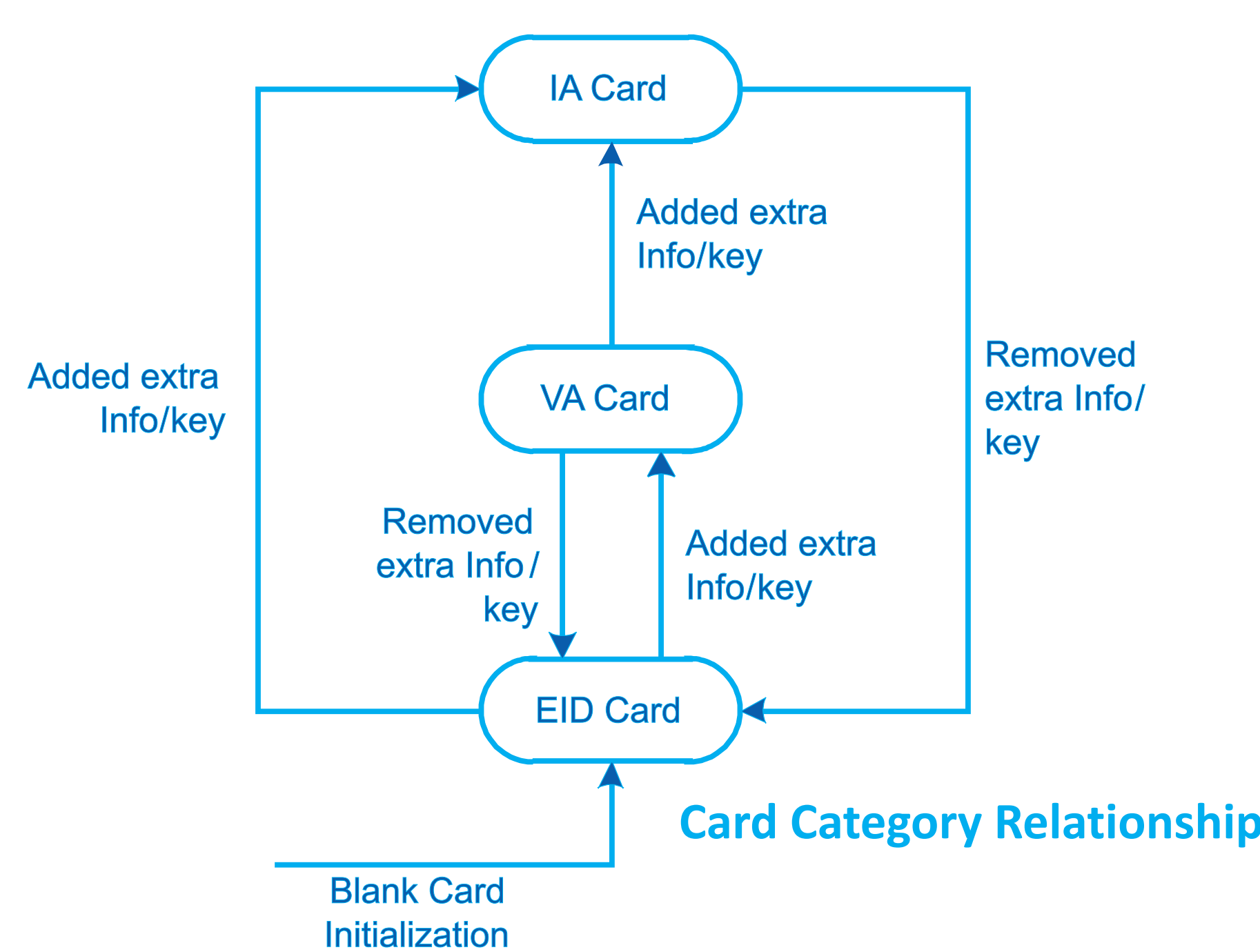
3. CARD MANAGER Software

- Admin user interface for User Card management
- Compliant to SCOSTA OS based cards
- System Master key generation
- Capturing of user details & bio-metrics
- Integration with existing HR/ERP database
- Integrated Card Layout Editor
- Printing of cards as per organisation layout

4. Smart Card Readers

- Contact less Card Reader
- Compliant to ISO 7816 / ISO 14443 standards
- Having internal SAM slots for user card validation
- Local Data storage
- Network connectivity
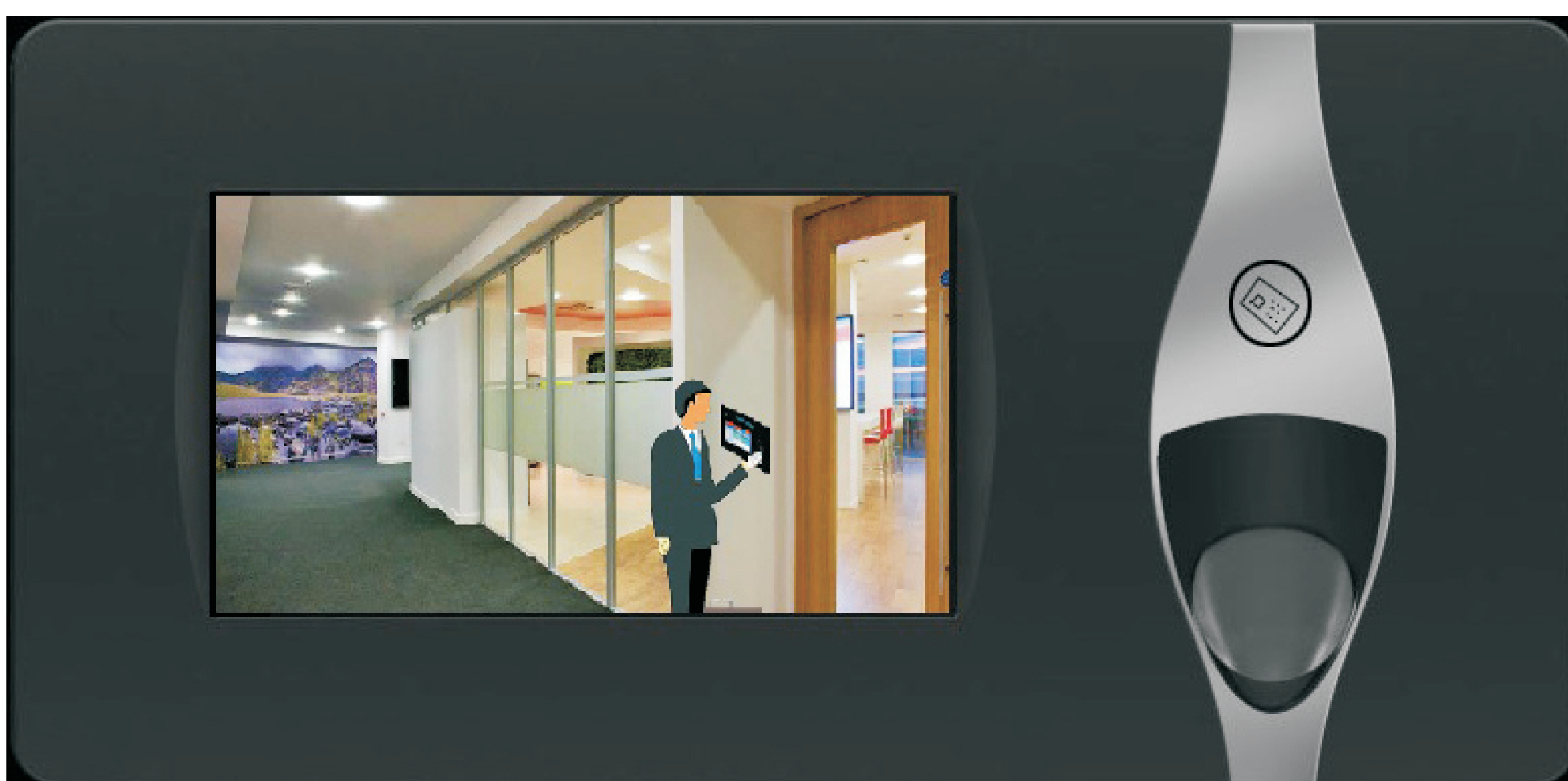
SCOSTA Compliant Tablet Based Reader

SCOSTA Compliant Dual Interface Reader