



SECURITY

Co720 BIOBANK SYSTEM

Fingerprints acquisition system
with fake fingerprints control



BIOMETRIC DATA (fingerprints) ACQUISITION & CONTROL

It represents a rigorous, legal and effective answer against burglary, terrorist acts or criminal actions in general.

PROFESSIONAL SOLUTION

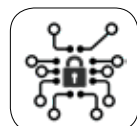
Biobank with *FaceDetection* is among our most installed solutions. A good additional security system for access control.



FINGERPRINTS
ACQUISITION



FAKE FINGERPRINTS
DETECTION



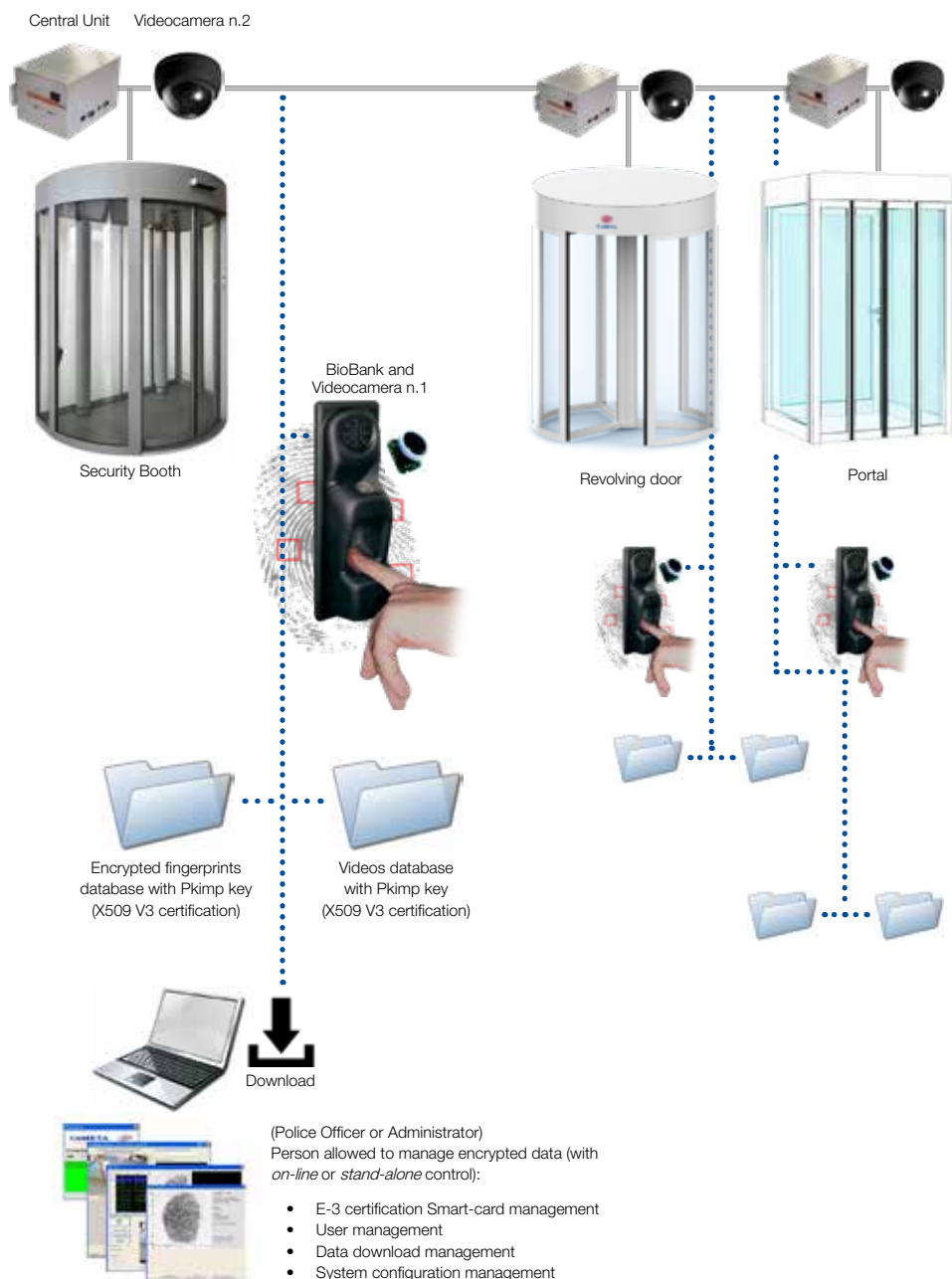
ENCRYPTED DATA,
POLICE ACCESS ONLY



CAN BE CONNECTED
WITH 2 CAMERAS



VOICE SYNTHESIS FOR
CUSTOMER GUIDANCE



HOW TO USE BIOBANK

Biobank system is usually installed on: **security booths, revolving doors, security portals** (with interlocking doors system) for access control and protection, connecting it with one or two cameras.

When a customer stands in front of the *security booth* entrance, the **Biobank** system automatically starts recording the transit through interlocked doors (or access rejection). When the customer is inside the *security booth* is guided by a vocal synth system, which asks to place his finger on the scanning-display. The fingerprint acquisition takes less than 1 second. **Biometric data is stored as encrypted code**, this to prevent improper use and tampering. **Biometric data remains accessible to Police**, in case of burglary actions or criminal events.

“ It acquires, monitors, and stores fingerprints for access top security.



PRIVACY COMPLIANCE

The solution is totally legal because it complies with normative imposed by the National Privacy Officer (Italian and EU regulations). **Data is stored as encrypted code**, this to prevent unauthorized access or tampering. **Data remains accessible only to Police**, in case of criminal events.

- Encrypted transmission of personal data allows database management, downloading, printing and fingerprints export (EU normative compliant)
- Stored fingerprints are deleted after 7 days
- Personal data export is only allowed to Police



“ABI” GUIDE LINES COMPLIANT (ABI = Italian Banks Association)

- A) Symmetric Key encryption for fingerprints and videos
B) Asymmetric Key encryption (RSA 2048 bit) of “session” keys

- Smart Card management for recording on RSA Keys' encrypted chip
- Basic Smart Card management for encrypted data access: Law 675 art.13 (D. lgs 196/2003-art 7), Recovery, Maintenance
- AFIS format files for data communication to Scientific Police Service



DATA PROCESSING UNIT

The system is equipped with a small **data processing and storage unit** integrated into the booth structure (dimensions L140xW205xH120mm). It is invisible from outside, this to prevent tampering, to facilitate the installation and to get a real *stand-alone* system (does not need manual actions, avoids multiple encryption-data operations by scanners and cameras). In case of criminal events, data download is fast and simple by connecting a PC to the Data Processing Unit (this operation is usually done by Police or by who is in possession of **cryptographic keys**).



FEATURES

- High quality and reliability of data recognition/acquisition
- Encrypted fingerprints and videos recording on different databases
- Co720.XX.1: fingerprint-image quality 569dpi with 25 x 13,2 mm sensitive area
- Co720.XX.2: fingerprint-image quality 500dpi with 23 x 23 mm sensitive area
- Distinctive Biometric Parameters Control
- Fingerprint recognition threshold: configurable
- High recording speed (<1s)
- High storage capacity (20.000 fingerprints)
- Compact Central Processing Unit integrated into the cabin structure
- 2 inputs for cameras
- Battery powered (no needs UPS if installed into a CoMETA booth, needs UPS if installed on security booths of other brands)
- Compliant with *Metal Detector CEIA cellular free* and with Interlocking doors System
- AFIS format files output

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