

FaceFINDER[®] 2.5

Biometric identification using smart video screening and surveillance for reliable identification of individuals in real-time

FaceFINDER at a glance

- >> One-to-Many identification in real-time
- >> Based on Viisage's leading face recognition technology
- >> Designed for screening and surveillance applications in criminal ID, area security and border security
- >> Self-contained hardware and software system
- >> Modular and scalable system architecture
- >> Single and multi-camera solution

What is FaceFINDER?

FaceFINDER is a biometric identification product based on Viisage's leading face recognition technology and provides non-intrusive and discreet capabilities for screening and surveillance applications. Viisage's patented real-time video technology scans crowds of people and matches individuals to selected faces previously stored in an image database. The system analyzes the input from multiple video cameras and reports the appearance of a known individual in the controlled area – wherever it is required to identify persons in non-cooperative scenarios. Without the visitor specifically being requested to look into the camera, the system can be deployed effectively to protect entrances and sensitive areas 24 hours a day.

Target Markets and Applications

FaceFINDER is especially designed for watch list searches in criminal investigations, and control of access to areas such as airports, stations, casinos and sports arenas. In addition, the appearance of special guests in clubs and other leisure facilities can be reliably recognized in order to ensure that these persons are welcomed accordingly. Additionally, FaceFINDER can scan persons' faces in controlled scenarios like border security.



FaceFINDER Benefits

- >> Increased security through immediate identification and tracking
- >> Process efficiency through real-time event display and alarm output
- >> Return on investment through interoperability, easy integration and fully automatic operation
- >> Effective privacy protection: displays and stores considerably less data than conventional systems

FaceFINDER Features and Functions

Security

- >> Based on Viisage's leading face recognition technology
- >> Free configuration of alarms (e.g., optical, acoustical, via RS-232 or TCP/IP)
- >> Configurable alert groups
- >> Configuration of global and alert group thresholds
- >> Transparent state control of the entire system

Process Efficiency

- >> Fully automatic operation 24/7
- >> Real-time processing, display and alarm output
- >> Automatic daily and weekly database maintenance
- >> Automatic reboot in case of network or power breakdowns
- >> Supports Batch enrollment

Interoperability

- >> Compatible with - analog video surveillance systems
- >> Supports digital video surveillance systems with a protocol for digital image input and alarm output via LAN
- >> WAN solution supporting automatic synchronization of databases at different locations via modem, ISDN or LAN connection

Database and system administration

- >> Ready-to-use and configured person database
- >> Configuration and database administration at the touch of a button
- >> Image Manager: interactive image search for history tracking and duplicate search
- >> Comprehensive filter, search and protocol functions

Privacy protection

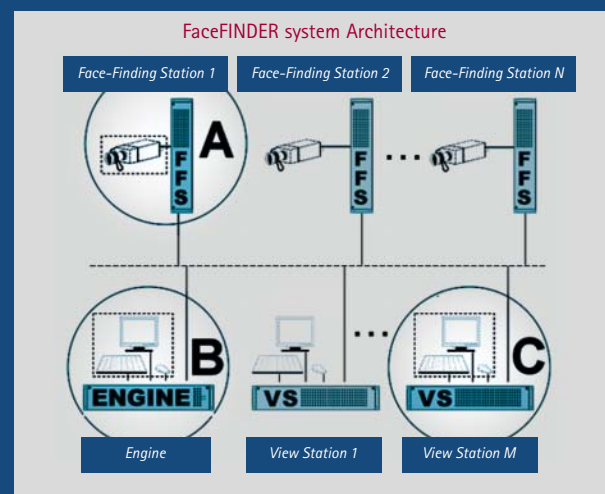
- >> Configurable time limits for storage of events
- >> Individuals in the database, e.g., staff members, can be marked as invisible and consequently do not appear in the event or result display
- >> Configurable result display: results below the threshold are not displayed at all



Display of recognition results in live mode

Components & Modules

- Modular and scalable system architecture for single to multi-camera installations
- Multiple cameras and work stations
- Face Finding Stations for face capturing
- Engine for face recognition, alarm output and system administration and control
- View Stations for display of results and alarm output
- Enrollment Station for standardized enrollment



Technical Specifications

- Supports NTSC/PAL
- Supports analog VSS
- Supports digital VSS providing open protocols
- Alarms via RS-232 or TCP/IP
- Supported cameras: Support of remote control of the following cameras: Philips LTC 0600/50 and 0600/60 and Panasonic CL(R) 920/CP(R)470 / CP(R) 460
- Up to 10,000 persons in the database
- Direct import from scanners and digital cameras
- Direct file import (BMP, TIFF, JPG)
- Integrated backup solution (streamer, DH)
- Available languages: English, German, configurable to support further languages

Please contact our Professional Services Team at sales@viisage.com if you have any requirements beyond those specified.

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