

MATCHBOX™

Digital Media Intelligence and Identification System

Use digital media to identify, locate and track individuals of interest.

MATCHBOX FEATURES

DATA MINE WITH BIOMETRICS

Perform biometric searches of video and photo repositories to find individuals of interest.

MANAGE DIGITAL MEDIA ASSETS

Import video, audio, photos and documents into a single repository and auto-index occurrences of people to build a biometrically searchable digital media database.

SEARCH

Search for individuals, organizations, events, locations and digital media using three integrated approaches:

- Biometrics – face, voice, fingerprint and fusion
- Google-style
- Advanced-field specific

SHARE INFORMATION

Analysis of digital media assets can be updated, saved and shared within large and small teams.

LINK ANALYSIS

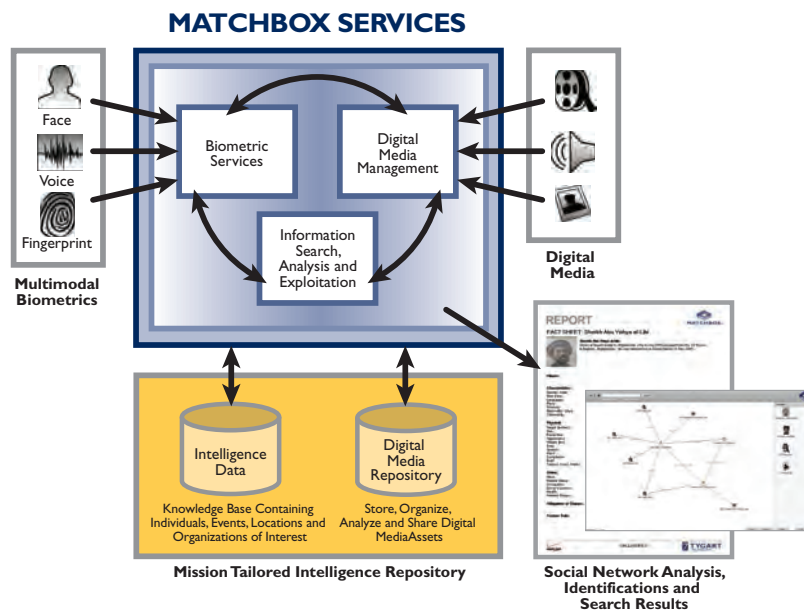
Create link diagrams to graphically depict associations between people, organizations, locations, events and digital media.

WATCHLIST MONITORING

Automatically search a watchlist of individuals each time a new video or photo is added to the digital media database.

Find the intelligence hidden in photos, video, audio and documents.

MatchBox™ utilizes digital media in a number of ways to identify and connect individuals and their activities. Audio clips, digital images, video and documents that reside in databases and on the Web offer a wealth of intelligence. But it's been difficult for organizations to fully leverage and share information collected via these digital media – and the problem is growing as use of digital media becomes widespread. Now MatchBox has integrated storing, searching, analyzing and linking all types of digital media in a single analytic platform. It includes the ability to search digital media with biometrics and to determine the identity of individuals based on a number of physiological characteristics.

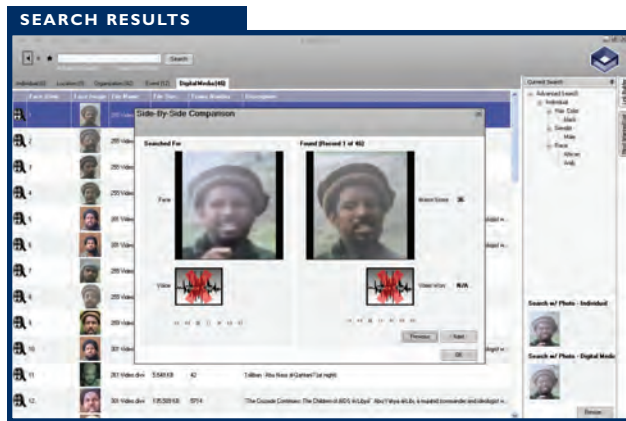


Analyze intelligence and share the results.

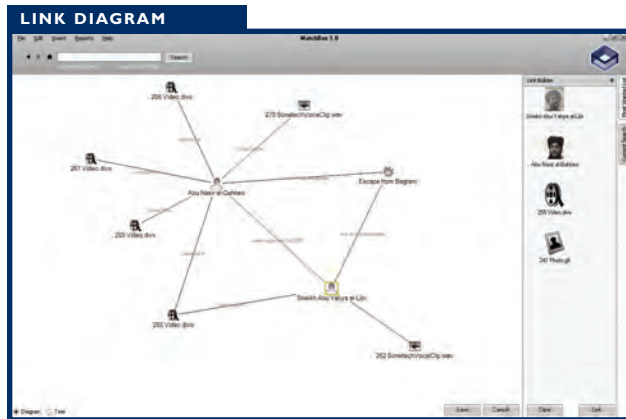
MatchBox includes three major components: Biometric Services, Digital Media Management, and Information Search, Analysis and Exploitation. The Biometric Services component handles the input and enrollment of physical characteristics such as faces, voices and fingerprints and supports searching the database using biometrics.

Digital media can originate from many different sources, such as video and voice recorders, cameras and fingerprint scanners. It can also be imported from other information systems. Once input and processed by the Digital Media Management component, the digital media becomes organized and searchable. Using both traditional text-based search methods and advanced biometric search features such as “Search with Photo,” MatchBox finds relevant segments within media files and displays these results in an intuitive and easy to navigate format. **With MatchBox, it is no longer necessary to watch hours of video to find the few frames of interest.**

MatchBox also includes a suite of analytical tools to link and graphically display related data, search data and video repositories, generate reports and more. Finally, MatchBox adheres to international biometric standards to ensure interoperability with other government databases and to facilitate integration of the latest “best-of-breed” biometric service provider solutions.



Search digital media to find individuals.



MatchBox enables you to create, edit and share link diagrams.



MatchBox automatically extracts images of people from videos.



MATCHBOX

KEY BENEFITS:

Expand Available Intelligence

Extends an organization’s intelligence-base by transforming video, audio and photograph collections into searchable resources.

Increase Productivity

MatchBox is a force-multiplier – saving countless man-hours by:

- searching the contents of digital media collections in an automated fashion
- eliminating the need to manually view video and photo collections to locate the segment(s) of interest
- automatically finding and saving occurrences of people in video and photos
- sharing the results of previous analysis across the enterprise
- automatically tracking individuals of greatest importance

Achieve Identity Dominance

MatchBox’s multi-modal biometric capability expands the scope of traditional search and identification processes, delivering superior intelligence from video, audio and photographs.

Simplify Workflow and Increase Information Sharing

Consolidate your analytical tool suite into a single integrated platform which stores, organizes and analyzes intelligence gathered about individuals, organizations, locations, events and digital media.

Customizable to Meet an Organization’s Specific Needs

Designed to allow quick integration of new technology.

The Team – Tygart Technology, Inc. and Verizon Federal Network Systems have partnered to develop the MatchBox digital media intelligence and identification system. Each member of the team brings unique and complementary capabilities.

Tygart is a world-class software development organization that supports the US Intelligence community, Department of Defense, Justice Department and others interested in finding or tracking high value targets.

Verizon is a Fortune 10 company and is one of the world’s premier communications companies. Verizon designs, builds and delivers fully integrated telecommunications and information technology solutions that enable Government customers to meet the needs of their customers.