

MXMOBILE™

DELIVERING ADVANCED FACIAL-RECOGNITION TECHNOLOGY TO THE FIELD

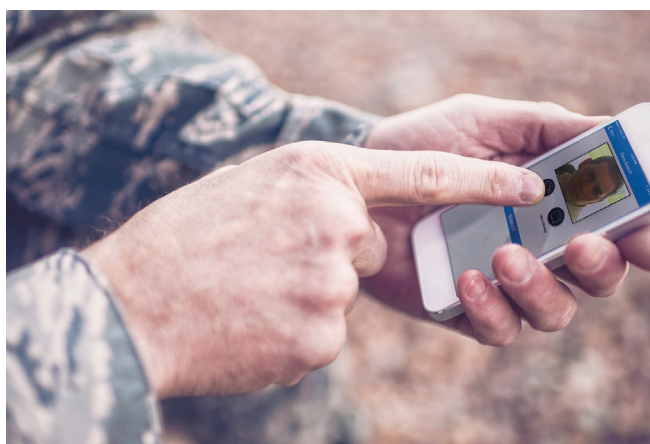
Advancements in the accuracy of facial recognition technology have enabled law enforcement, defense, intelligence and national security organizations to rapidly identify unknown subjects from large “mug shot” style databases. The use of this technology as an application for agents in the field and on the front lines have been limited by communication networks and processing power. In addition, facial recognition solutions have been too complex and large to deploy to the end user because of limited transportability and portability. Previous attempts at enhancing mobility have been constrained to identifying individuals whose biometric data signatures have already been preloaded onto a specialized device. This poses problems to agents who have an interest in overtly or covertly identifying potential threats in the field, regardless of geographic region.

Advancements in smartphone technology offer processing power for complex mobile applications. These advancements in technology and application development create a platform for a mobile biometric solution capable of capturing photos and videos of individuals of interest and wirelessly transmitting them for matching against watch lists in seconds.



FaceID System

Tygart's MXMOBILE™ FaceID System builds off of the company's proven MXSERVER™ technology, a server-based face recognition system capable of transforming vast amounts of video and photo collections across a variety of input devices into searchable resources. MXSERVER is capable of automatically finding, extracting and matching faces from very large media collections, even those stored in disparate and disconnected systems. MXMOBILE brings face recognition and photo/video upload capabilities to agency-managed smartphones.



CONTACT US

To find out more about Tygart and how our team of experienced professionals can help you meet your mission objectives, visit us at www.tygart.com or contact us at sales@tygart.com.



MXMOBILE Applications

MXMOBILE complements the collection, dissemination and analysis of identity intelligence information by providing a mechanism to more quickly disseminate, analyze and return potential face matches to the operator. In addition to field use for the identification of persons of interest, MXMOBILE can be used as a citizen policing tool, providing citizens the ability to upload videos and photographs of suspicious behavior.

MXMOBILE Benefits

MXMOBILE brings the benefits of MXSERVER to the field, enabling agents to quickly review and exploit videos and photographs to identify, locate, track and link individuals of interest and their activities. With this new mobile application, agents are able to monitor security sensitive areas in real-time, cross referencing their existing watch lists for any matches, using an intuitive and searchable interface.

To learn more, please visit
www.tygart.com/products/MXSERVER.

MXMOBILE FEATURES

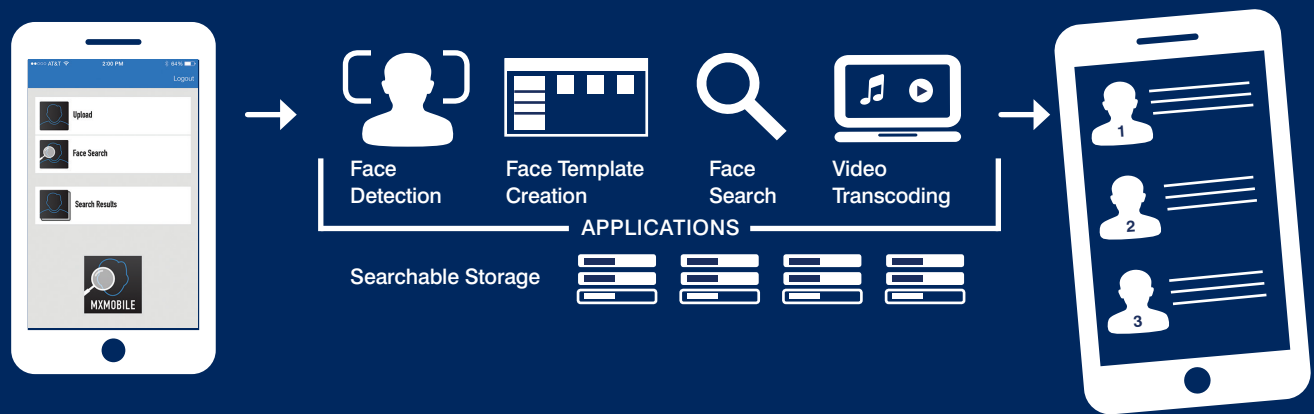
AUTOMATED FACE SEARCH

Agents capture and transmit images from the mobile application which are processed through MXSERVER using automated face detection and recognition technologies to match the faces in the photograph or video against watch lists of persons of interest. Almost instantly, MXSERVER offers a short, rank ordered list of options that best match the face depicted in the submitted image, along with any other relevant information, such as biographical information, known aliases and previous comments regarding the individual.

UPLOAD VIDEOS AND PHOTOGRAPHS

MXMOBILE uses embedded smartphone cameras to capture photographs or video segments which can be transmitted to a cloud instance of MXSERVER for further processing, retention and analysis.

CLOUD-ENABLED SCALABLE MOBILE SOLUTION



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