TriModal mobichk™

Fingerprint, Facial and IRIS Capture in one device

Tri Modal mobichk™, Mobizent's new Android based mobile identification solution provides identity checking by allowing you to conduct Identification Checks using fingerprint, face or eye sensors on one device

Trimodalmobichk™, Mobizent's new addition to its leading mobile identity checking solutions provides an all-in-one stand alone solution that will allow officers to scan a fingerprint, capture a face or collect an iris and check these against a local or remote Biometric database.

Mobizent continues to provide complete mobile hardware & software identity checking solution for the Federal, State and local law enforcement, automatically checking the identity of individuals in the field, using several types of biometric data including certified smartcards.

All the software and hardware that has been available for

leading AFIS or Biometric database back-end providers in the industry today, coupled with a flexible architecture that can integrate with other solutions as well.

This FAP30 fingerprint sensor, Facial Capture and IRIS collection device combined with the already tested software (ID-Mobileworks™) used in conjunction with the WiFi or Cellular enabled Android phone can connect to any back-office solution. Trimodal mobichk™ will still capture all this data in approved NIST compliant formats and ensure only quality data from each sensor is taken by the agents in the field. The fingerprint, Face and IRIS data can then transferred wirelessly to your existing network device or matched on the device or card.

mobichk™, such as contact and contactless smartcard reading, barcode reading, and available facial recognition software is still available with Trimodalmobichk™ in an Android based all-in-one device.

ID-MobileWorks™ and Instantchk™, Mobizent's field identity suite of applications can still be used with this new solution to verify and confirm the identity of people in the field, using this new all-in-one device.

This Trimodal mobichk™ front-end solution still connects to a back-office solution, when required, which can integrate with the

This device can transfer the print to the Mobizent's Back-office for processing with agency's local or required remote AFIS and return a "hit" or "no-hit" to the officer in the field.

The Mobizent solution delivers all the features and functionality required to accurately identify individuals and maximize productivity, all in one device that can be connected to any back-office solution.

This solution re-defines the standard for mobile biometric identification in the field by providing a three certified biometric sensor/data collection solution along with a suite of available software to collect, reformat, transfer this information to any back-office solution for identity matching and data collection.

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mobichk detailed specifications

TriModalmobichk ™, Mobizent's mobile identification solutions provides identity checking by allowing you to conduct Personal Identification Checks with an all-in-one device.

GENERAL

The new mobiCHK™ is a robust portable Tri-Modal (Fingerprint, Facial and IRIS) Identification device allowing law enforcement officers to obtain exact identification of individuals in the field. The Features of mobiCHK™ Single Device (all-in-one) include:

·Display

- 5.0-inch IPS LCD Screen

- Integrated capacitive multi touch touchscreen.

-The touch screen uses fingertips for operation, it does not require a stylus.

- Colors – 16 million

- Resolution - 720 x 1280 pixels 16:9 ratio (~294 ppi density).

- The IPS display is clearly readable and visible in all lighting conditions from night time through to bright daylight

- The display brightness is adjustable in software.

Processor

Octa-core CPU

Operating System

- Android 11, - Allows over the air software downloading & security updates (see MDM section)

Internal Memory

- 128GB flash memory, - 4GB RAM

External Memory - - Up to 400GBytes micro SD Card flash memory, typical practical maximum will be 128GBytes, - Micro SD Card is mounted internally in the battery compartment

Carrier –ATT, Verizon (LTE), T-Mobile, - GSM/HSPA/LTE - LTE Bands B2, B4, B5, B12, B14, B30, B66

·WiFi - Wi-Fi 802.11 a/b/g/n, - Wi-Fi Direct, Hotspot

·Bluetooth - 4.0, A2DP, Low Energy

GPS - A-GPS, Glonass

Front Camera – 5 MP

Rear Camera - Resolution – 13 MP, Autofocus, LED flash, Video – 1080 px at 30 frames per second, The mobiCHK™ as a standard process, allows a photo of a subject being fingerprinted to be captured by the camera and to be saved in the folder and transaction stored on the mobiCHK™, this photo image file is not transmitted as a Type 10 record in the RPIS submission. An option is simultaneous subject photo capturing simultaneously while the subject is being fingerprinted.

Sensors - Accelerometer, gyro, proximity, compass

Fingerprint sensor - Integrated Biometrics Columbo, Durable fingerprint sensor able to withstand the toughest operating environments with minimal maintenance, Accurate: provides accurate high-resolution fingerprint scans in virtually any environment: indirect or direct sunlight which is ideal for field fingerprint capture. The fingerprint sensor is not easily confused by foreign matter. FAP30 sensor, FBI certified - mobile ID IQS FAP 30, PIV, Resolution: - 500PPI, Sense area platen – 0.8" by 1", Image size – 400 x 500 gray scale pixels, Fingerprint image capture rate – 7 frames per second, Air / contact discharge: - comply with IEC 61000 -4 – 2

IRIS Scanner - High Speed Dual IRIS Capture Sensor, Startup time <1s, CMOS Sensor

Facial Recognition Solution - 13MP Rear Camera for Facial Recognition with LED Flash

Battery - 6000mAH Battery, The battery life exceeds 10 hours under peak use conditions for the complete mobiCHK™ device including using the fingerprint reader, wireless communications, IRIS scanner, Facial Recognition display etc. Lithium-ion rechargeable battery cell with protection circuitry

Charging - Charging is via a single robust charging connector ,Multiple chargers such as car charger adapter are provided.

Environmental

-Temperature range: -20°C to +50°C

- Storage Temperature: nominal -30°C to +70°C absolute max.

- Relative humidity: Non-condensing to 95%

- Rain and Dust Resistance: Designed to IP65.

The mobiCHK™ is a handheld mobile device, easily carried around and used in the field. The mobiCHK™ dimensions are: 8.96" by 3.77" by 1.8" thick. The weight including the battery pack, is less than 17.6 ounces. The device designed to be handheld and with rubber corners and purpose designed contours and a ribbed body which facilitates enhanced gripping without the devices slipping out of a hand as an example. A hand strap is also provided to further enhance one handed field operation.

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