

Tactical Biometrics Operation Surveillance System TBOSS

OBIE- On-Device Biometric Identification & Enrollment



Features

- Identification and Enrollment
- SmartSearch quickly searches databases
- Wireless download and upload of biometrics data during tactical operations
- Local storage of "Most Wanted List" for identifying person in the field
- Communication with server via USB, Ethernet, or 802.11 RF network; cellular
- Built in audio to playback voice memos
- QWERTY keyboard for data entry
- Battery operated with AC/DC power for charging
- Power saving to maximize battery life
- Power usage and connectivity indicators
- Electronic Biometrics Transmission Specifications (EBTS compliant)
- Iris Enrollment and matching (OPTION)
- Identification/Sear via fingerprint, name or fact (Option)
- Voice recognition (OPTION)
- Facial recognition (OPTION)

Specifications

OBIE Physical Dimensions

Height	5 inches
Width	8 inches
Depth	3 inches
Weight	2 lbs 3 oz.

Hardware

CPU	CPU: PXA270, 520Mhz
Display	640 x 480 Color Touch-Screen LCD
Memory – RAM	128 MB
Compact Flash Socket	Up to 8 GB supported
Battery	Dual 2000 mAh (Total 4000mAh) Hot Swappable, Lithium Ion
Connectivity	USB port 802.11B/G RF 802.11A/G (option) Cellular (option) SECNET 11 RF (at customer request)

Image Capture

Face Capture Camera	640 X 480 (VGA) color Focal distance – Approximately 36" Capture Rate – 1fps
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Fingerprint Sensor	<u>UPEK</u> - Capacitive 500dpi, Capture Rate – 14fps
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Features

- Database of person of interest (PI) records
- Database can be searched using name, fingerprint, or face as a key
- Web-based or local server enrollment of biometric data

TBOSS Server

TBOSS Architecture - Battalion / Brigade



- Central Data Base
- Storage
- Matching
- PI Data To Adjacent Units Real-time

- Surveillance
- Streaming Video
- Biometrics Storage
- Biometrics Matching
- Transmit / Receive

- Collection
- Matching
- Transmit / Receive



TOC



VSP



OBIE

**Battalion
Brigade**

**Company
Platoon**

**Rifle Squad
Checkpoint
FOB**

Most Wanted List

**Person of Interest
Biometrics Collection
and Processing**