



IBIS Mobile Identification System

Over Tens of Thousands of Field Searches

Proven Deployments

“During the last six months, our officers identified over 800 subjects using mobile identification technology. One hundred and twelve (112) of those subjects were arrested for giving false information to a police officer or for outstanding warrants. A recent arrest involved a reputed hardcore gang member that had approximately \$2.6 million dollars in outstanding warrants and was considered ‘armed and dangerous’. This subject actually bragged about giving false information to law enforcement officers in other jurisdictions. Without mobile identification technology, this subject would still be walking the streets endangering our community.”

Lieut. Jeffrey A. Rose
San Bernardino County
Sheriff's Department
CAL-ID Division

The Integrated Biometric Identification Systems (IBIS) have a long history of success, beginning with our patent combining fingerprints and photos with wireless connections¹. Since then, hundreds of mobile units have been deployed with demonstrated time and cost savings through cite outs and remote bookings, increased arrests, and solved crimes. We continue to develop award-winning products by incorporating technologically advanced designs to better serve our customers.

Our newest IBIS solution employs a modular handheld device that links via Bluetooth to any pre-configured, supported PDA, taking advantage of today's latest smart-phone technology. A card reader module to scan documentation, such as a driver's license, and the workflow manager can interface with various databases simultaneously, including our AFIS system. This flexibility, combined with the forensic quality fingerprint reader, the camera on the PDA, and autocapture capability, ensure more accurate IDs and significant time and cost savings for officers in the field.

¹Patent 5,222,152

MORE ACCURATE ID's

- Captures photographs and forensic quality fingerprint images for AFIS searches in industry standard NIST EFTS format
- Interoperates with a variety of databases (AFIS, WIN, MAFIN, IDENT, NCIC, warrant files, gang files, mug shot systems, etc.)
- Does not rely on name and DOB searches or any verbal information provided by the subject

SIGNIFICANT TIME/ COST SAVINGS

- Delivers real-time ID information for on-the-spot decision making
- Helps prevent false arrests or releases
- Avoids logistical and spatial challenges of integrating expensive and bulky cradles in police cruisers

FLEXIBILITY TO MEET YOUR SPECIFIC NEEDS

- Utilizes the latest wireless communications (EVDO and EDGE)
- Works with any PDA using Windows® Mobile 2005
- Leverages your existing cellular service to avoid redundant fees

IBIS Mobile Identification Process



Award-Winning Technology

2007
CTIA Emerging
Technology Award

2004
Government
Computing News
Award

2003
Qualcomm
CDMA-List Award

2003
Minnesota Tekne
Award

IBIS Mobile Identification System Specifications

Fingerprint Sensor	
Platen Dimensions	1.3" Vertical x .9" Horizontal
Image Dimensions	1.0" Vertical x .8" Horizontal (500x400 Pixels)
Geometric Distortion	1.5% or less
Illumination Uniformity	3db or less at the edges and corners; Non-uniformity piecewise monotonic throughout
Resolution	500dpi +/- 2%
Grayscale Quantization	8 bits per pixel
Magnetic Strip Card Reader	
Tracks	3 Track
Format	ANSI/ISO/CDL/AAMVA standards
2-D Bar Code Reader	
Format	PDF 417 and 2-D matrix bar codes
Operating Conditions	
Temperature, Operating	32 to 104 F (0 to 40 C)
Temperature, Non-Operating	4 to 120 F (-20 to 50 C)
Operating Humidity	10% - 90%
Mechanical Dimensions	
	9.7" L x 2.6" W x 2.5" D (hood extends above body by 0.75")
Mechanical Weight	
	0.99 lb (15.8 oz)
Power	
External Connectors	12 VDC power for charging batteries
Battery	NiMH rechargeable 1.5 VDC, 4 each All battery life shown is for NiMH rechargeable (May also use standard 1.5 VDC AA Cell, non-rechargeable)
Operating Life	Over 500 two-finger bookings per full battery charge
Life (Standby)	Up to seven (7) days
PDA Requirements	
	Windows Mobile 2005 32 Mbytes RAM 64 Mbytes Flash
Supported Cellular Technologies	
	EVDO/CDMA 1XRTT (Sprint/Verizon) EDGE/GPRS (Cingular)
Other	
	RoHS Compliant

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