



Multi-Biometric Capture Station

For Fast and Easy Processing

Global Experience

- Installed tens of thousands of fingerprint capture systems
- Deployed the largest number of iris camera solutions
- Ranked among the top tier of face recognition algorithms

The Multi-Biometric Capture Station is a full-service solution for civil applications. The TouchPrint™ 5500 slap-and-roll fingerprint scanning system, encased inside a rugged and durable station design, exceeds the FBI's own certification requirements, and includes a host of intuitive capture features like real-time preview, LEDs and audio cues to quickly process high volumes of subjects. There are no silicon pads to replace or maintain and the unit is sealed for minimal maintenance. With additional components such as an iris camera, a face image camera, a signature pad and document authentication readers, many customization options are available.

PROVEN BIOMETRIC TECHNOLOGY

L-1 Identity Solutions is the world leader in developing fast and accurate, multi-biometric – fingerprint, face and iris – technology. We incorporate our top tier (according to independent testing) algorithms into all of our solutions including our TouchPrint line of fingerprint capture devices and our widely-deployed iris cameras such as Mobile-Eyes™ and PIER-T™ which is built on Daugman '08 – the leading iris algorithm for fast and accurate identification.

FAST AND EASY CAPTURE

Intended for high-volume identification applications, all of our solutions are built to be user-friendly. Our TouchPrint fingerprint capture devices are easy to understand by operators as they assist subjects and in unattended environments as well. Using our Mobile-Eyes and PIER-T iris cameras are as simple as “point and click” – just like a digital camera. Capturing both a subject's biometric data and demographic information is quick and easy and ensures minimal delays.



Multi-Biometric Capture Station Specifications

Full Station	
Housing Dimensions	Width: 24in (61.0cm); Height: 65.0in (165.1cm); Depth 28.5in (72.4cm)
Workstation Computer	Intel Core 2 Duo 2.93GHz or greater with 2 GB RAM
Interface	Built-in 17" LCD flat panel monitor and keyboard
Software	Ships with Microsoft Windows 7
Voltage/Power Requirements	110-220/220-240 VAC, 50/60 Hz / less than 15.5 watts
Ergonomic Features	Manual height adjustment of fingerprint scanner deck
TouchPrint™ 5500 Fingerprint Capture	
Roll Print Size	1.6in. x 1.5in. (40.6mm x 38.1mm)
Single Thumb	1.6in. x 1.5in. (40.6mm x 38.1mm)
Slap Print Size	3.2in. x 2.0in. (81.2mm x 50.8mm)
Optical Resolution	500ppi or at more than 1000 ppi image capture output
Image Quality	Exceeds FBI IQS IAFIS Image Quality Specification Appendix F
QuickCapture™ Prism	Platen provides better finger contact and coupling with dry, thin ridges for quicker and easier capture with less finger conditioning.
AntiSmear™ Technology	Prevents smudging and smearing during finger rolls.
Clear Trace Imaging™	Prevents minutiae by ignoring dirt or latents left on the platen and provides greater uniformity across platen region. Less platen cleaning equals faster throughput.
Moisture Discriminating Optics™	Ignores moisture and sweat to prevent loss of fine feature detail.
Auto Light Balancing	Maintains consistent image quality over time.
Optical Scanner Interface	USB 2.0: Single cord and PC card connection into desktop PC or AC adaptor for laptop FireWire: Single cord and IEEE 1394, OHCI compliant PC card into desktop PC or PCMCIA card with hub for laptop
Standard Features	Internal beeper/buzzer Auto detection of hand/finger placement Red, Yellow and Green LED User Interface
Certifications	FBI certified, PIV approved, RoHS compliant and tested under TUV for CE
Iris Capture	
Mobile-Eyes™	
Physical Dimensions	Width 8.1in. (20.6cm); Depth 6.9in. (17.5cm); Height 2.8in. (7.1cm); Weight 2.2lb. (1.0kg)
Accessories	USB Cable Weight <0.2lb. (0.1kg); USB Cable Length 9.5ft. (2.9m)
PIER-T™	
Physical Dimensions	Width 5.0in. (12.7cm); Depth 2.6in. (6.6cm); Height 3.5in. (8.9cm); Weight 12oz. (0.340kg)
Image Capture	Iris Capture Camera: 640 X 480 (VGA) monochrome
Illuminators	Infrared Illumination: Dual Band IR: (Safety tested)

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