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TouchPrint™ Enhanced Definition 3100 Live Scan

High Quality Images from a Stylized Device

Incorporating 6.2 megapixels of imaging power and anti-smearing and anti-smudging technologies, the TouchPrint™ Enhanced Definition 3100 Live Scan far exceeds the FBI Appendix F Standard requirements and outperforms the standard definition systems available on the market today. In addition to superior image quality, the TouchPrint Enhanced Definition 3100 Live Scan delivers reliability and dependability for successful performance in any high volume environment – an office, government facility, station house, or even a remote location. Designed to accommodate operators of all skill levels, this system helps to ensure durability and uptime.

BETTER DATA CAPTURE

- More pixels per inch for greater detail
- Breakthrough optics and electronic imaging for unparalleled image clarity
- Contrast and gray scale highlight minutiae and pore detail

MAXIMUM RELIABILITY

- No moving parts for significantly lower maintenance costs
- No degredation in image quality over time
- No pads or coating to change for less downtime

LESS VARIABILITY

- Easy to use for operators of all skill levels
- Overcomes real-world challenges like sweaty fingers

Desktop Configuration

Transportable Configuration

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TouchPrint™ Enhanced Definition 3100 Specifications

Technical	
Model Number	TP-3100-ED
Configuration Options **TP-3100XT-ED / TP-3100LT-ED** **TP-3100-ED / TP-3100LD-ED** **TP-3100A-ED**	• Transportable system that includes notebook computer, laptop carrying case and fully featured application software (on Windows XP or Linux) for tenprint capture, storage, and transmission • Desktop modular system includes workstation with keyboard, mouse, 17" monitor, and fully-featured application software (on Windows XP or Linux) for tenprint capture, storage, and transmission • A peripheral scanner device with SDK for integration into third-party applications
FBI Certification	TP-5700 optics deck is FBI IQS Appendix certified and is incorporated into the TouchPrint™ Enhanced Definition 3100 Live Scan
Active Imaging Dimensions	Roll/Slap Platen 3.2in x 2.0in (81mm x 51mm)
Rolled Print Size	Image compliant with FBI standard at 1.6in x 1.5in (41mm x 38mm)
Optical Resolution	Enhanced Definition 500 ppi image capture output with square pixels
Dynamic Range	Greater than 8 bit, yielding over 256 gray scale depth
Image Quality	Exceeds FBI IQS IAFIS Image Quality Specification Appendix F
Calibration	Factory calibrated and sealed; automatic light-balance recalibration over time
Optical Scanner Interface	FireWireA IEEE 1394, OHCI compliant
Optical Scanner Dimensions	Deck Width: 12.5in (32cm); Deck Height: 6.25in (19cm); Deck Depth: 14in (35.5cm)
Package Weight	14lbs (6.4kg)
Voltage/Power Requirements	110-220/220-240 VAC, 50/60 Hz/ less than 14 watts
Operating Environment	Ambient temp: 40° - 95° F (5° - 35° C) Relative Humidity: 20% - 80% non-condensing
Housing	Sealed package, rugged container with high tolerance for shock and vibration
Data Content	Demographics (customizable), fingerprints, and photo image transmission in compliance with FBI's EFTS in ANSI/NIST-CSL 1-1993 specified format
Data Protocols	Supports SMTP / FTP / NFS / TCP/IP sockets / VPN
Data Communication	Supports V.42 external modem, 56kbps synchronous communication, T-1 high speed digital communications, Ethernet LAN communications, TCP/IP/NFS/FTP protocols
Workstation Computer	Pentium P4 1.7 GHz or greater with 256MB RAM (only included with Desktop or Transportable configurations; not included with the SDK)
Standard Features	
Moisture Discriminating Optics™	Patented optics ignore moisture on the fingerprint or on the platen
Dual Beam Illumination™	Delivers uniform illumination across entire platen, improving geo-accuracy
Clean Image View™	Provides 70% or greater signal-to-noise ratio than Appendix F requirements, resulting in better ability to read features and detail in the fine ridge structures
Precise Image Distribution™	Results in 200% less geometric distortion than what is required to meet Appendix F minimum requirements, resulting in enhanced accuracy of minutiae and ridge detail location
Fine Feature Contrast™	Provides 300% higher CTF/MTF performance than Appendix F requirements, resulting in enhanced image sharpness and clarity
AntiSmear™ Technology	Minimizes smudging and smearing during finger rolls

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