



## TouchPrint™ Enhanced Definition 3500 Live Scan

High Quality Images from a Fully-Integrated Cabinet

Incorporating 6.2 megapixels of imaging power and anti-smearing and anti-smudging technologies, the TouchPrint™ Enhanced Definition 3500 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 3500 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 degradation 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



## TouchPrint™ Enhanced Definition 3500 Specifications

<b>Technical</b>	
<b>Model Number</b>	TP-3500-ED
<b>Configuration Options</b> TP-3500XC-ED / TP-3500LC-ED	TouchPrint™ Enhanced Definition 3500 Live Scan has a built-in monitor and keyboard and fully-featured application software (on Windows XP or Linux) for tenprint capture, storage, and transmission
<b>FBI Certification</b>	TP-5700 optics deck is FBI IQS Appendix certified and is incorporated into the TouchPrint™ Enhanced Definition 3500 Live Scan
<b>Active Imaging Dimensions</b>	Roll/Slap Platen 3.2in x 2.0in (81mm x 51mm)
<b>Rolled Print Size</b>	Image compliant with FBI standard at 1.6in x 1.5in (41mm x 38mm)
<b>Optical Resolution</b>	Enhanced Definition 500 ppi image capture output with square pixels
<b>Dynamic Range</b>	Greater than 8 bit, yielding over 256 gray scale depth
<b>Image Quality</b>	Exceeds FBI IQS IAFIS Image Quality Specification Appendix F
<b>Calibration</b>	Factory calibrated and sealed; automatic light-balance recalibration over time
<b>Optical Scanner Interface</b>	FireWireA IEEE 1394, OHCI compliant
<b>Optical Scanner Dimensions</b>	Deck Width: 12.5in (32cm); Deck Height: 6.25in (19cm); Deck Depth: 14in (35.5cm)
<b>Package Weight</b>	250lbs (113.4kg)
<b>Voltage/Power Requirements</b>	110-220/220-240 VAC, 50/60 Hz/ less than 14 watts
<b>Operating Environment</b>	Ambient temp: 40° - 95° F (5° - 35° C) Relative Humidity: 20% - 80% non-condensing
<b>Housing Dimensions</b>	Width: 25in (63.5cm); Height: 44.5in (113cm); Depth 24in (61cm)
<b>Data Content</b>	Demographics (customizable), fingerprints, and photo image transmission in compliance with FBI's EFTS in ANSI/NIST-CSL 1-1993 specified format
<b>Data Protocols</b>	Supports SMTP / FTP / NFS / TCP/IP sockets / VPN
<b>Data Communication</b>	Supports V.42 external modem, 56kbps synchronous communication, T-1 high speed digital communications, Ethernet LAN communications, TCP/IP/NFS/FTP protocols
<b>Workstation Computer</b>	Pentium P4 2.8 GHz or greater with 256MB RAM
<b>Monitor</b>	17" LCD flat panel display
<b>Standard Features</b>	
<b>Moisture Discriminating Optics™</b>	Patented optics ignore moisture on the fingerprint or on the platen
<b>Dual Beam Illumination™</b>	Delivers uniform illumination across entire platen, improving geo-accuracy
<b>Clean Image View™</b>	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
<b>Precise Image Distribution™</b>	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
<b>Fine Feature Contrast™</b>	Provides 300% higher CTF/MTF performance than Appendix F requirements, resulting in enhanced image sharpness and clarity
<b>AntiSmear™ Technology</b>	Minimizes smudging and smearing during finger rolls
<b>Software Features for Complete System Configurations</b>	
<b>PerfectScan™</b>	High resolution live video display of platen surface during roll and slap capture; real time image quality assurance for evaluating images and providing instant feedback
<b>AccuCapture™</b>	Slap-to-roll comparison software to ensure correct sequencing
<b>Options</b>	
<b>Demographic Data Import</b>	Open File Communication System (OFCS)
<b>Image Compression</b>	FBI-accredited Wavelet Scalar Quantization (WSQ) processing
<b>Photo Capture</b>	Optional NIST Best Practices photo capture – SW/HW