

MorphoTrust USA

TouchPrint™ 5300/5600



Law enforcement legislation and sex offender registration policies require the capture of all types of images with a live scan device, including tenprints, palms, rolls, and writers' edges. The TouchPrint™ 5300 live scan device and TouchPrint™ 5600 cabinet booking station are capable of all types of high quality images using an innovative, single platen. The detailed print images are scanned at either 500 ppi or 1000 ppi using advanced imaging power and anti-smearing and anti-smudging technologies, with our fingerprinting solutions exceeding FBI standard requirements.

Superior Print Capture and Image Quality

Image quality is critical for live scan systems. Poor quality prints cannot be used to correctly identify or verify a subject on the first AFIS submission, resulting in higher rejection rates and lengthy processing times.

Our patented optics ignore moisture, dirt, and latent prints left behind on the platen, making it easier to capture high quality images – consistently – regardless of the challenges faced, such as dry or sweaty fingers or an unclean platen. "Best in class" in image capture quality, rather

than "good enough," is the choice to make in deciding which live scan to use in accurately identifying people.

The TouchPrint™ 5300 and TouchPrint™ 5600 provide the image clarity needed to prevent artifacts and capture important friction ridge detail. Both models boast high dynamic range sensor results in maximum contrast and gray scales, bringing out the minutiae and pore detail in the fingerprint and handprint images with virtually no distortion, which makes the image ideal for latent print comparison.

Advanced Cabinet Designs

This scanner is available in three models, a small desktop unit or a laptop model (5300) and a full cabinet booking station (5600).

All models are designed with a platen encased in a durable, rugged housing environment. A sealed unit permits for deployment in demanding environmental conditions that may be dusty, wet, hot, or humid.

The cabinet design has an ergonomic structure with a small footprint design, that allows for ease of use in space-constrained environments. The adjustable, 19" LCD flat panel monitor allows for optimal, high-resolution fingerprint image display. In addition, optional accessory trays provide extra workspace.

ADVANCED TECHNOLOGY ON A SINGLE PLATEN

- High resolution, real-time preview of palm (approximately 10 frames/ second) for optimal precapture positioning
- Palm capture in less than 1.5 seconds
- Scan resolutions available in 500 ppi or at more than 1000 ppi (exceeding the FBI certified requirement)
- MegaView camera system provides 70% more pixels compared to conventional scanners
- Our patented Moisture Discriminating Optics™ ensures details in pores and no obscured ridge contours
- Designed to eliminate variability that directly impacts image quality: no moving parts, no pads or coatings



Cabinet Booking Station

SUPERIOR FINGERPRINT IMAGES FROM A FAST AND INTUITIVE DEVICE



Desktop Configuration



Transportable Configuration

TouchPrint™ 5300/5600 Product Features Impacting Image Quality

FEATURES	BENEFIT
MegaView Camera System	Greater image detail – over 70% more pixels than conventional 1000 ppi scanners.
Grayscale	Linear, 256 levels with no lost detail from grayscale compression. Full ridge detail maintained for optimal latent comparisons.
Clean Image View™	70% better than the FBI specification for signal-to-noise ratio for greater ability to read features and ridge detail in fine ridge structures.
Balanced Image Distribution™	200% less geometric distortion equals enhanced accuracy of minutiae and ridge detail location.
AntiSmear™ Technology	Prevents smudging and smearing during finger rolls. High quality prints, even with less-skilled operators.
Clear Trace Imaging™	Prevents false minutiae by ignoring dirt or latents left on the platen. Provides greater uniformity across platen region. Less platen cleaning equals faster throughput.
Moisture Discriminating Optics™	Our patented optic technology ignores moisture and sweat to prevent loss of fine feature detail essential for realizing the benefits of 1000 ppi scanning.
Auto Light Balancing	Maintains consistent image quality over time. Best prints all the time.

MorphoTrust USA is “The Identity Company,” providing market-leading solutions and services for state and federal agencies as well as businesses that simplify, protect and secure the lives of Americans. The company’s offerings help ensure individuals are who they claim to be through the use of document authentication, data verification and biometric identification (face, fingerprints, iris and skin). MorphoTrust solutions are used to produce 80% of the driver licenses and IDs in the U.S. – the documents citizens rely on to exercise their civil rights, gain access to benefits and services, and ensure trusted transactions while reducing fraud and enhancing national security. This includes both front- and back-office solutions that cover the entire secure ID lifecycle. Other programs include U.S. passports and passport cards, as well as solutions for border management, public safety, banking, and travel. MorphoTrust serves consumers through a nationwide network of more than 1,100 Identogo® Centers, delivering fingerprinting and other identity-related services to over 4.5 million customers annually.

www.morphotrust.com

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TouchPrint™ 5300/5600 Technical Specifications*

TECHNICAL	
Model Number	TouchPrint™ 5300 and TouchPrint™ 5600
Scanning and Image Capture Resolution	Scan Resolution: 1062 ppi (v) x 1638 ppi (h) Scan Depth: 8 bits/pixel (256 gray levels) Capture Resolution: 1000 ppi (v) x 1000 ppi (h) Capture Depth: 8 bits/pixel
Active Image Dimensions	Multi-Finger Plain: 3.2 (h) x 2.0 (v) (nominal) inches Palm: 5.0 (h) x 5.1 (v) inches 10 Print Rolled: 1.6 (h) x 1.5 (v) inches ID Slap: 3.2 (h) x 3.0 (v) inches
Image Quality	Geometric Distortion: Exceeds FBI IQS specification without calibration Linearity, signal to Noise, CTF, Scanned gray levels: Meets or exceeds FBI IQS specifications
Illumination	White LED light panel for low operator eye fatigue and no color memory
Scanner Data Interface	USB 2.0
Size (appliance) Size (cabinet)	15 in (38 cm) (l) x 8.5 in (21.5 cm) (w) x 9 in (23 cm) (h) Width: 24.0in (60.96 cm); Height: 65.0in (165.1cm); Depth: 28 in (71.12 cm)
Weight (appliance)	Approximately 20 lbs (9 kg)
Power Requirements	110-120/220-240 VAC, 50/60HZ/-less 15 watts, Includes separate DC power module
Operating Environment (appliance)	Ambient temperature: 40°-104° F (5°-40° C) Relative humidity: 20-90% non-condensing Altitude: 0-7500 ft (2460 m) AMSL
Logical Scanner/Host Interface	Software Development Kit (SDK) includes application program interface and device drivers for Windows XP, Windows Vista, and Windows 7 (Available for licensed developers)
* Specifications subject to change without notice.	