

# TP5300

Slap, rolled & palm livescan device



## Advanced technology on a single platen

High quality 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)

Patented Moisture Discriminating Optics™ ensures details in pores and no obscured ridge contours without pads or coatings

Law enforcement legislation requires the capture of all types of images with a livescan device, including tenprints, palms, rolls, and writers' edges.

The TP 5300 livescan appliance is 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 antimearing and anti-smudging technologies, with our fingerprinting solutions exceeding FBI standard requirements.

More than 1500 units of TP 5300 have been deployed and are being used by police officers everyday.



## SUPERIOR PRINT CAPTURE AND IMAGE QUALITY

Image quality is critical for livescan 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 livescan to use in accurately identifying people.

The TP 5300 is provided with the image clarity needed to prevent artifacts and captures important friction ridge detail. It boasts high dynamic range sensor results in maximum contrast and gray scales, bringing out the minutiae and pore detail in the fingerprint and hand print images with virtually no distortion, which makes the image ideal for latent print comparison.

## ADVANCED MECHANICAL DESIGNS

The TP 5300 is 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. In addition, our portfolio also features a full range of cabinets integrating the TP 5300.

## Technical specifications

### 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: meet or exceed FBI IQS specifications

**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 with less-skilled operators.

**Auto Light Balancing:** Maintains consistent image quality over time. Best prints all the time.

**Illumination:** White LED light panel for low operator eye fatigue and no color memory

**Scanner Data Interface:** USB 2.0

**Dimensions:** 16 x 8 x 8.5 inches (41 x 20.5 x 21.5 cm)

**Weight:** Approximately 20 lbs (9 kg)

**Power Requirements:** 110-120/220-240 VAC, 50/60HZ/-less 15 watts, includes separate DC power module

### Operating Environment:

- Ambient temperature: 40 to 104°F (5 to 40°C)
- Relative humidity: 20 to 90% non-condensing
- Altitude: 0 to 7500 ft (2460 m) AMSL

### Software Development Kits:

- MLS SDK for image acquisition
- IDEMIA Bop for image acquisition, segmentation and sequence check

Available for Windows and Linux platforms