

# HID® Crossmatch L Scan™



## USE CASES

- Crime scene investigations
- Enrollment and booking
- Background checks
- Identification

## COMPACT TENPRINT READER AND PALM SCANNER

The L Scan family addresses the need for high resolution fingerprint and palm images for the purpose of enrolling or booking suspects accurately by matching them against any AFIS database. The compact design makes the L Scan the optimal capturing device for any station or office.

### Automated Finger and Palm Capturing

Our patented “Auto-Capture” feature ensures the rapid and error-free capturing of images by automatically taking a picture when sufficient quality of the fingerprint or palm image is detected. By eliminating the guesswork, the “Auto-Capture” feature saves valuable time. If not required or desired, customers can enable manual capture mode. In addition, the L Scan offers a high-resolution preview of the biometric image on the integrated screen.

### Free Positioning of Fingers and Palms

With the L Scan the capturing of fingerprints and palms is easier than ever. Thanks to the patented FlexFlat and FlexRoll features, coupled with the large capturing surface, the L Scan gives a unique user experience as fingerprints and palms are captured automatically regardless of their positioning on the platen. This reduces the amount of repetitions required to capture high-quality images and therefore increases the efficiency of the process.

### Reliable, Superior Image Quality

L Scan devices deliver an image quality either in 500 ppi, as the internationally recognized FBI standard, or 1000 ppi for more superior image quality — capturing level 3 details, such as a person’s sweat pores. This enables the best possible match rates when checking against a database. The integrated heated platen in the L Scan supports consistent image quality regardless of the ambient temperatures as it applies controlled heat to the surface.

### Efficient Biometric Capturing Process

Smart buttons that create easy and intuitive guidance through the entire biometric capturing process can be self-configured for the L Scan devices, enabling customization to meet any organization’s needs. The integrated color LCD display additionally enhances the user experience and the efficiency of the capturing process as it reduces the time of capturing — contributing to a safer working environment for law enforcement officers.

## COMPONENTS:

### STANDARD

- Color LCD Screen
- Heated Platen
- Smart Buttons

### OPTIONAL

- Adapter for HID Cabinet Adjustable Height
- Adapter for HID Cabinet Universal
- Foot pedal with USB interface
- Silicone membrane
- Cleaning kit



## SPECIFICATIONS

<b>Product Name</b>	HID® Crossmatch L Scan™ 500 HID® Crossmatch L Scan™ 1000
<b>Description</b>	Tenprint Reader and Palm Scanner
<b>Capture Mode</b>	Upper, lower and writer's palm Flats and rolls
<b>DEVICE</b>	
<b>Dimensions (H x W x D)</b>	12.0" x 12.1" x 5.2" (306 mm x 308 mm x 133 mm)
<b>Weight</b>	16.72 lbs (7.6 kg)
<b>Interface</b>	USB 3.0
<b>Camera</b>	71 Megapixel
<b>Power Supply</b>	100-240 V AC auto-adjusting
<b>OPERATING ENVIRONMENT</b>	
<b>Temperature Range</b>	32°F - 122°F (0°C - 50°C)
<b>Humidity Range</b>	Maximum 10% - 90% relative humidity, non-condensing
<b>SYSTEM REQUIREMENTS</b>	
<b>Operating Systems (OS)</b>	Windows® 7, 8.1 and 10 (32 and 64 bit)
<b>Hardware</b>	Intel® i3 Quad-Core Processor with 1.8 GHz, >= 4 GB RAM
<b>IMAGE SPECIFICATIONS</b>	
<b>Scanning Area</b>	5.9" x 5.51" (150 mm x 140 mm)
<b>Image Size (W x L)</b>	Flats 3.0" x 3.2" (76 mm x 81 mm) Palm 5.0" x 5.1" (127 mm x 130 mm) Rolled Fingers 1.5" x 1.6" (38 mm x 41 mm)
<b>Image Resolution</b>	500 ppi (L Scan 500) 1000 ppi (L Scan 1000)
<b>Capture Grayscale</b>	12-bit, 4096 gray scale
<b>Image Grayscale</b>	8-bit, 256 gray scale
<b>STANDARDS AND CERTIFICATIONS</b>	
<b>Ingress Protection (IP)</b>	IP54
<b>Certifications</b>	Appendix F (PALM), CE, FCC, UL, GS, REACH, RoHS
<b>SOFTWARE</b>	
<b>SDK (included)</b>	HID® Crossmatch L Scan™ Essentials SDK 7.5 or later
<b>Software Compatibility</b>	HID Integrale™ HID LSMS HID MOBS

Data subject to change without notice.



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