

**The Cards to be scanned are 8" x 8"** and can be scanned using a multi-feed scanner.

Scanner should meet the following specifications:

> **High volume scanner, or flatbed, that is FBI IAFIS certified**

> **A list of certified scanners can be found at**

<http://www.fbibiospecs.org/FBIBiometric/IAFIS/Default.aspx>

> 500ppi is correct. (1000ppi is not acceptable)

### **IAFIS IMAGE QUALITY SPECIFICATIONS**

The fingerprint scanner must be capable of producing images that exhibit good geometric fidelity, sharpness, detail rendition, gray-level uniformity, and gray-scale dynamic range, with low noise characteristics. The images must be true representations of the input fingerprints, without creating any significant artifacts, anomalies, false detail, or cosmetic image restoration effects.

The scanner's final output resolution, in both sensor detector row and column directions, shall be in the range:  $(R-0.01R)$  to  $(R+0.01R)$  and shall be gray-level quantized to 8 bits per pixel (256 gray-levels). The magnitude of "R" is 500 pixels per inch (ppi); a scanner must be certified at this resolution level. The scanner's true optical resolution shall be greater than or equal to R.

A scanner intended to scan standard 8.0 by 8.0 inch ten-print cards, e.g., applicant fingerprint card type FD-258 or FD-249, shall be capable of capturing an area of at least 5.0 by 8.0 inches, which captures all 14 printblocks, with each printblock as a separate image. Maximum capture sizes may be found in [EFTS] and [ANSI/NIST].

Below is the link to the FBI electronic fingerprint specs for the card conversion.

<http://www.fbi.gov/hq/cjisd/iafis/efts70/cover.htm>

There is also a pdf link on this page with the spec document.

[http://www.fbi.gov/hq/cjisd/iafis/efts\\_70.pdf](http://www.fbi.gov/hq/cjisd/iafis/efts_70.pdf)