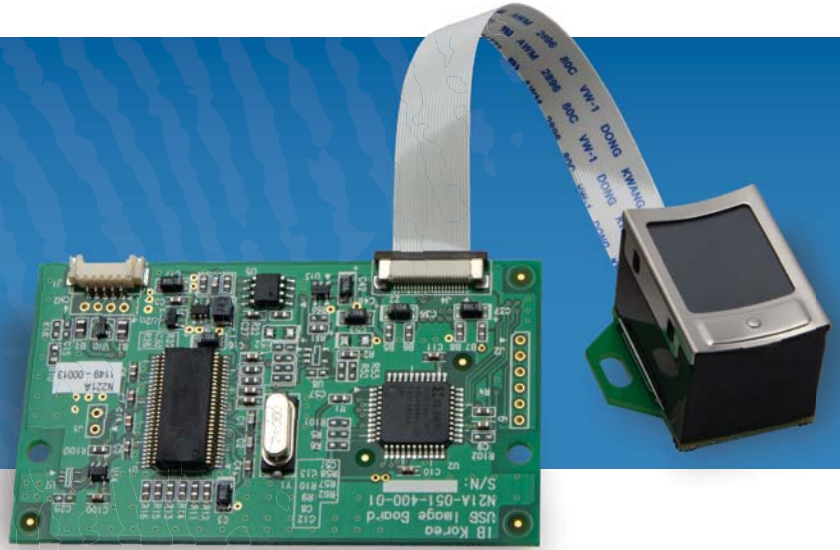


eCurve



The eCurve embodies the future of Fingerprint Biometrics – LES Film imaging technology. Utilizing the same LES Film certified in the world's first non-optical FBI Certified scanner, the eCurve establishes the new standard in biometric performance for commercial applications.

Hardware Features

- > Curved surface: More Surface Contact with Less Ridge Distortion
- > Operates in direct sunlight: Anytime Anywhere
- > Low power consumption: Low Drain
- > Low Maintenance: No Latent Residue Cleaning
- > No prisms or silicon pads: Durable

SDK v3.0 Features

- > No Site or User License Fees
- > Template Generation & Matching
- > Full Featured Active-X / .NET control
- > Web Compatible
- > Multi-threaded DLL
- > WSQ Compression
- > Scalable
- > MS Certified USB Drivers
- > Developed and Supported by IB

Enrollment Tools

- > Enrollment NFIQ Image Quality Measurement
- > Enrolled Finger Tracking
- > 3 Image Enrollment Integration for Best Performance

Platform Support

- > Windows 7, Windows 8 – all versions
- > Windows Server 2003 & 2008
- > Windows XP Pro
- > Vista – all versions
- > Linux 2.6 x Kernel
- > NetBSD 4.0

Supported Languages

- > Windows
 - C#, C++, VB.NET, VB 6.0
- > Linux
 - C / C++
- > NetBSD
 - C / C++
- > JAVA
 - Support available on request
- > Android

Embedded Systems Support

- > Recompile for specific processors / OS available
- > Gumstix available

Curve Specifications

Interface	USB 1.1 and USB 2.0
Type	Light Emitting Sensor (LES) electroluminescent film
Capture Area	15mm (W) x 18mm (H)
Housing Dimensions	70mm (diameter) x 33mm (height)
Weight	0.1 kg
Image Resolution	500 DPI
Image Size	288 (W) x 352 (H) pixels
Finger Rotation Flexibility	+/- 30 degrees
Operating Temperature	-10 degrees C to 50 degrees C
Storage Temperature	-30 degrees C to 80 degrees C
Power Supply Voltage	4.5 - 5.5v
Idle State Current	100mA maximum
Capture State Current	110mA maximum
Minimum Current	No power draw when sensor is off
Power-Up Initialization	210 ms
USB Cable Length	1.5 meter

SDK Specifications

Matching Speed	1:30,000 in 1 second
FAR / FRR (adjustable)	0.00071% / 0.00819% (default setting)
Image Quality Scoring Method	NFIQ
Active X and .NET control	Included
Image Compression	WSQ
Live Finger Sensing	Intrinsic to LES image generation technology
USB Drivers	Microsoft Certified
Image Processing / Matching Algorithms	IB Developed & Supported – No Third Party Technologies

Sensor & Board Drawings (dimensions in mm)

