

BAYOMETRIC

Integrated Biometrics Curve

SINGLE FINGER SCANNER



PRODUCT DESCRIPTION

Integrated Biometrics Curve is a single finger capture solution device designed to overcome the common issues face in commercial biometric applications and provide reliable and systematic solutions. The scanner has a circular and compact housing making it ideal for business applications either as desktop PC peripherals or as security check points in infrastructure.

One of the biggest features of Curve is its curved platen surface which not only maximizes the area of contact with the finger but also eliminates ridge distortions while scanning. Coupled with the patented LES technology from Integrated Biometrics, the Curve can scan images in virtually any condition. It is resilient to scanning with wet, dry, aged or scarred fingers and produces high quality images even when used under direct sunlight.

The Curve comes equipped with full featured SDKs that enable matching 1: 30,000 users in less than a second. It is also easily integratable into systems owing to the USB 1.1 and USB 2.0 compatible interfaces. The scanner generates 500 DPI resolution and 288 x 352 pixel size fingerprint images that can be used for identification, registration and verification purposes.

APPLICATIONS

Desktop PC security
Mobile PCs
Custom applications

KEY FEATURES

Sensor Auto-On: touch & go
Curved surface: more surface contact with less ridge distortion
Multi-color LEDs: direct feedback for users
Operates in direct sunlight: anytime anywhere
Operates in direct sunlight: Anytime Anywhere
Low power consumption: Low Drain
Low Maintenance: No Latent Residue Cleaning
No prisms or silicon pads: durable

TECHNICAL SPECIFICATIONS

| | |
|--|---|
| Interface | USB 1.1 and USB 2.0 |
| Housing dimensions | 70mm (∅) x 33mm |
| Image resolution | 500 DPI |
| Finger rotation flexibility | +/- 30 degrees |
| Image grayscale | >15 kV, mounted in case |
| Operating temperature | -10°C to 50°C |
| Power supply voltage | 4.5 – 5.5v |
| Capture state current | 110mA maximum |
| Power-up initialization | 210 ms |
| ACTIVE X and .NET control | Included |
| Image compression | WSQ |
| Part number | IBHLMU500-03A |
| Type | Light Emitting Sensor (LES) electroluminescent film |
| Image quality scoring method | NFIQ |
| Image processing / matching algorithms | IB developed and supported – no third party technologie |
| Capture area | 15mm x 18mm |
| Weight | 0.2 kg |
| Image size | 288 x 352 pixels |
| Multi-color leds | Green / Red / Blue |
| Storage temperature | -30°C to 80°C |
| Idle state current | 100mA maximum |
| USB cable length | 1.5 meter |

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Pixel resolution: 512 dpi (average x, y over the scan area)

Scan capture area: 14.6 mm (nom. width at center) 18.1 mm (nom. length)

8-bit grayscale (256 levels of gray)

Reader size (approximate): 65 mm x 36 mm x 15.56 mm

Compatible with USB 1.0, 1.1 and 2.0 (Full Speed) specifications

CONTACT

Phone +1 (408) 940-3955

Email sales@bayometric.co.uk

Web www.bayometric.co.uk

Address 1743 Park Avenue
San Jose, CA 95126

LINKS



www.linkedin.com/company/bayometric



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| | |
|------------------------|--|
| Matching speed | 1:30,000 in 1 second |
| FAR / FRR (adjustable) | 0.00071% / 0.00819% (default setting) |
| USB drivers | Microsoft certified |
| Minimum current | No power draw when sensor is off |
| Live finger sensing | Intrinsic to LES image generation technology |

ABOUT BAYOMETRIC

Bayometric is a leading global provider of biometric security systems offering core fingerprint identification solutions. Our products and solutions help enterprises, government agencies, custom application developers and system integrators meet their security, identification and access management requirements.