

# IriShield - USB MK 2120U

Single Iris Capture Camera



## Description

The IriShield USB MK 2120U is a ready-to-use single iris capture camera. The compact camera is powered via USB port, and its low power consumption and mobile OS support makes it suitable for use with smartphones, tablets or other handheld devices. Each eye is illuminated by infrared LED, thus irises can be captured in various indoor and outdoor environments. The captured iris images are compliant with ISO/IEC 1794-6 standard.

The IriShield USB MK 2120U is an ultra-compact, auto-capture module, complete with onboard iris recognition and a PKI-based security infrastructure that ensures complete data security.

With its low cost, IriShield USB MK 2120U will lower the entry barrier to deploying iris biometric solutions in a number of applications.



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## Features and Benefits

- Compact and lightweight
- Low power consumption
- Windows, Android, and Linux supported
- Auto-Capture™, template generation and matching
- Tamper-proof
- Secure data and communication - each IriShield device has its own 2048 bit RSA key securely generated on board for encryption and digital signature are done on-board in a secure environment
- OTP/Password
- Cost effective - most economical for projects of any size

For any biometric scanner to capture and/or match, biometric software is mandatory - and does not ship with the scanner. Please contact [sales@fulcrumbiometrics.com](mailto:sales@fulcrumbiometrics.com) or call +1 (210) 257-5615 #1 to ensure you are compiling the best solution for your needs.

[www.fulcrumbiometrics.com](http://www.fulcrumbiometrics.com)

## Technical Specifications

Physical	Dimensions (W x L x H): 51.2 x 92.6 x 15.1 mm (2" x 3.6" x 0.59") Weight: 300 g Operating Temperature: 0°C ~ 45°C Operating Humidity: 30-90% or less RH, noncondensing Power: +5V±5% USB 2.0
Iris Camera	Image Resolution: 500 DPI Image Size: 640 x 480 pixels Platen Size: 18.2 mm x 22.9 mm Effective Sensing Area: 15.24 mm x 20.32 mm Image Grayscale: 256 levels (8-bit)
PC Requirements	Windows, Linux, Embedded Linux, Android
Certifications	RoHS, FCC, PKI (2048-bit), AES (256-bit), X509, PFX/PKCS#12
Standards/Compliance	Eye Safety Standard, IEC 62471:2006-07
Compatibility	Fulcrum Biometric Framework (FbF®), VeriEye SDK, MegaMatcher SDK

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