

**Model 2120 Iris Scanner**



The 2120 iris scanner is an ultra-compact, auto capture iris scanner complete with on-board iris recognition and a PKI-based security infrastructure that ensures end to end data security.

The scanner features superior iris matching and iris image quality assessment algorithms to provide excellent quality images and avoid false positives while maximizing true positive identification rates. The algorithms can complete a matching query (identification) against 1,000 stored templates (500 ID's) in 0.5 second.

The scanner is ideal for work sites whereby finger print scanning is troublesome like seafood processing where workers' fingers are always in wet and wrinkly condition; and hence are not good for accurate scanning.

### Value Proposition

- ❖ Cost effective
- ❖ Ultra-compact, light weight
- ❖ Comes with Time and Attendance software
- ❖ Versatile to various lighting conditions
- ❖ Can be used as hand held unit or mounted on the wall

### Features

- ❖ Secure on-board processing: All key functions (iris registration, iris identification, encryption and digital signature are done on-board
- ❖ Secure data & communication: RSA 2048 bit key securely generated on-board for encryption and digital signature
- ❖ NIST-proven extremely accurate iris matching algorithm
- ❖ STQC certified
- ❖ Tamper proof
- ❖ Internal storage: 1,000 templates (500 ID's), expandable to 10,000 templates (5,000 ID's)
- ❖ Supported interface connections: USB, UART
- ❖ Supported OS's: Windows/Android/Win CE/Linux/eLinux/Mac
- ❖ Indoor and outdoor usage

### Applications

- ❖ Time & Attendance (ideal for work places where finger print scanning is troublesome)
- ❖ Access Control
- ❖ Banking (ATM)
- ❖ Border Control
- ❖ Healthcare
- ❖ Construction sites

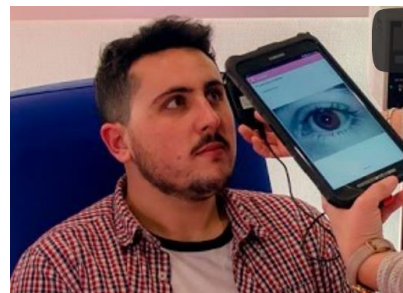
# Iris Scanner Model 2120

## Technical Specifications

Capture mode:	Auto
Capture distance:	4.7cm – 5.3cm
Image format:	ISO standard 19794-6 (2005 & 2011), 640 x 480 pixels, 8 bit greyscale, full support for K1, K2, K3, K7
Sensor resolution:	VGA
Dimensions:	51.2mm x 92.6mm x 15.1mm
Power:	Single USB Bus powered
Illumination:	Near infrared LED
Environmental:	-20°C to +60°C (Storage), 0°C to +50°C (Operating)
Compliance & certification:	Eye safety standard (IEC 62471:2006-7), RoHS, FCC Class B, IP 54
Resolution:	Spatial: $\geq 60\%$ @ 4.0 Lp/mm, Pixel: $\geq 16$ pixels/mm
Security:	RSA 2048 bit and AES 256 bit; X509; PFX/PKCS#12, RSA key pair generated onboard
Matching speed:	2000 matches per second
Software:	IS Tracker



Time & Attendance for work places



Iris recognition for healthcare