

## Benefits

- Portable
- Robust
- Easy-to-operate
- Durable
- Highly Reliable



## Features



Adjustable Inter Pupillary Distance



Unaffected by Ambient Lighting



Dust & Water Resistant  
IP54



Compliance to EYE Safety Standards



Compliant with ANSI NIST & ISO Image Interchange Format



USB Powered Device



Supports Windows Operating Systems



Supports Android Operating Systems



Supports Linux Operating Systems

# Dual IRIS Scanner

## MATIS DX



MATIS DX is a rugged, portable and easy-to-use dual-iris capture device that can simultaneously capture both irises with higher accuracy and greater speed. The innovative dual iris scanner is packed with compelling features that make the device suitable for diverse biometric enrollment and identification applications.

## At a Glance

### IRIS Sensor

Parameters	Specification
Simultaneous Capture	: Dual IRIS Capture
IRIS Diameter	: > 210 Pixel
Spatial Resolution	: > 60 % @ 4.0 LP/mm
Pixel Resolution	: > 19 Pixel/mm
Image Margins	: Left & Right $\geq 0.5x$ IRIS Diameter, Top & Bottom $\geq 0.25x$ IRIS Diameter
Pixel Depth	: 8 Bits/Pixel (256 Gray Level)
Imaging Wavelength	: 700 - 900 nm
Frame Rate	: > 5 Frames/Sec, Continuous Capture
Scan Type	: Progressive
Sensor SNR	: > 36 dB
Capture Mode	: Auto Capture with Built-in Quality Check
Illumination	: Near Infra Red (NIR)
Capture Distance	: 117mm from the Front of Camera Lens
Capture Volume (WxHxD)	: 28x21x15 mm
Exposure Time	: < 33ms
Encryption	: PKI (2048 Bit), AES (256 Bit) & SHA256

### Hardware

Parameters	Specification
Interface	: USB2.0 (USB-IF Certified)*
Operating Voltage	: 5V +/- 5% (USB Powered Device)
Current Consumption	: Operating :- < 350 mA (Max) , Stand By :- < 160 mA (Max)
Operating Temperature	: 0 to 50 °C
Operating Humidity	: 10-90% RH, Non-Condensing
ESD Protection	: +/-4kV (Contact Discharge), +/-8kV (Air Discharge)
Device Dimension	: 184 x 148 x 61 mm
Device Weight	: Approx 0.5Kg

### Platform

Parameters	Specification
Operating System	: Windows 32/64-Bit, Android, Linux, Embedded RTOS

### Certifications

Parameters	Specification
Biometric Data Interchange Format	: ISO 19794-6 for IRIS Image
EMI / EMC Compliance	: CE & FCC Part 15B Class A*
Environmental, Health and Safety	: RoHS*
Safety	: Exempt Group per IEC 62471:2006-07*
Ingress Protection Rating	: IP54*
Device Driver	: WHQL Certified

\*Certifications are Under Process