

## Benefits

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



## Features



Adjustable Inter Pupillary  
Distance



Unaffected by Ambient  
Lighting



Dust & Water  
Resistant



Compliance to EYE Safety  
Standards



Compliant with ANSI NIST  
& ISO Image Interchange  
Format



Supports Linux  
Operating Systems



Supports Windows  
Operating Systems

# Dual IRIS Scanner

## MATISX



MATISX 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	: > 20 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	: $\geq 10$ Frames/Sec
Scan Type	: Progressive
Sensor SNR	: > 36 dB
Capture Mode	: Auto Capture with Built-in Quality Check
Illumination	: Near Infra Red (NIR)
Capture Distance	: > 100mm from the Front of Camera mirror
Capture Volume (WxHxD)	: 30 x 22.5 x 15 mm
Exposure Time	: < 33ms

### Hardware

Parameters	Specification
Interface	: USB2.0 High Speed (USB-IF Certified)*
Operating Voltage	: 5V +/- 5%
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	: 185 x 145 x 62 mm
Device Weight	: 0.41Kg

### Platform

Parameters	Specification
Operating System	: Windows x86 and x64, Linux

### Certifications

Parameters	Specification
Biometric Data Interchange Format	: ISO 19794-6 for IRIS Image, ISO 29794-6 for image quality
EMI / EMC Compliance	: CE & FCC Part 15B class B*
Environmental, Health and Safety	: ROHS*
Safety	: Exempt Group per IEC 62471:2006-07, IS13252 (Part 1)*
Ingress Protection Rating	: IP65*
Device Driver	: WHQL Certified

\*Certifications are Under Process