

IRISENTINEL

BROCHURE



An ultra compact, portable and ready-to-use iris scanner. Ideal for software developers, value-added resellers to develop application systems and end-users.



The newest version of
IRITECH’s most powerful
and secure iris scanner .

≡ Features

- Ultra-compact and Light-weight
- Outstanding Iris Image Quality
- Cost-effective
- Embedded NIST-proven iris image quality assessment algorithms
- MOSIP SBI 2.0 compliant
- Embedded MOSIP Device Service
- Foundational Trust Module (FTM) supported

(※ Specifications & Color to change without notice)

Why
IRITECH?

IriTech, Inc. is one of very few iris providers who owns all in-house proprietary technologies vital for deploying any scalable end-to-end iris ecosystem. With more than 20 years of experience in iris recognition technology and top-ranked NIST¹⁾–proven algorithms, IriTech has been trusted by many prestigious clients. Our systems have been deployed in multiple large-scale projects ranging from governments to corporates due to its exceptional performance in tough environment. IriTech is proud to be the partner of choice, leading the iris biometrics technology.

¹⁾ National Institute of Standards and Technology

Technical specifications

Capture Mode	Auto capture with built-in quality check (using NIST IQCE and ISO 29794-6 quality metrics)
Capture Time	1-3 seconds
Capture Distance	14.5 – 15.5 cm (5.7 – 6.1 in)
Capture Volume	3.3 x 1.0 x 2.4 cm (1.3 x 0.4 x 0.9 in)
Image Format	ISO 19794-6:2011, full support of K1, K2, K3, and K7 with RAW, JPG, JPEG 2000, and PNG format Max 640 x 480 pixels, 8-bit grayscale
K7 JPEG2000 Compression Presets	2.5 KB, 3.5 KB, 5.0 KB, and any other sizes (customizable via SDK)
Iris Diameter	≥ 160 pixels
Dimensions	51.2 x 92.6 x 15.1 mm (2 x 3.6 x 0.59 in)
Power	Single USB Bus Powered (DC + 5V ± 5%) (Max power consumption = 300 mA)
Illumination	700 – 900 nm
Aspect Ratio	1 : 1
Environmental	0°C to +50°C (Storage); 0°C to + 50°C (Operating) 0% to 90% Humidity (Non-Condensing)
Scan Type	Progressive
Compliance & Certificates	MOSIP SBI 2.0, FCC Class A (TBD)
Resolution	Spatial : ≥ 50% @ 1.0 Lp/mm, Pixel : ≥ 10 Pixels/mm
Connectivity	USB 2.0 Type A
Software API	Vendor API, MDS Specification, Aadhaar Registered Devices Specification
Ancillary SW	Demo Application, Drivers, SDK (C/C++, .NET C#/VB, Java) with Sample codes (※ Please specify before ordering)
Security	PCI PED 4.0 pre-certified, MOSIP SBI 2.0, TrustZone High Assurance Boot (signed and encrypted boot), Cryptographic Acceleration and Assurance Module, Secure Non-volatile Storage Module
Host OS	WinXP/7/10, Linux, Embedded Linux, Android (※ Please specify before ordering)

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