

IriShield™ - USB

Auto-Capture Camera with Optional On-Board Iris Recognition

Specifications: IriShield™ - USB BK 2121U

* IriShield™ - USB BK 2121U is ready-to-use and portable dual-eye iris camera.

Come with an extensive SDK for software developers or value added resellers to develop application systems.

Capture Mode	Auto capture with built-in quality check (using NIST IQCE and ISO 29794-6 quality metrics), Simultaneous capture: two eyes, Evaluation rate: ≥ 10 fps, Exposure time: ≤ 16.7 ms
Key Functionalities	On-board Template Generation, 1:1 and 1:N Template Matching On-board PKI security functions
Viewfinder	Capture distance: 137.5 – 152.5 mm (5.4 – 6.0 inches) Capture volume: 33 x 24 x 15 mm
Image Format	ISO 19794-6, full support of K1, K2, K3, and K7 Max 640 x 480 pixels, 8-bit grayscale
Sensor	Resolution: VGA, Scan type: Progressive, SNR: ≥ 37 dB
Dimensions	Without Goggle : 124 x 63.2 x 42.5 mm (4.9 x 2.49 x 1.68 inches) With Goggle: 200 x 145 x 72 mm (7.9 x 5.7 x 2.8 inches)
Power	Single USB Bus Powered (DC +5V \pm 5%) (Max power consumption = 500 mA)
Illumination	Infrared LED
Environmental	-20 °C to +60 °C (Storage); 0 °C to +50 °C (Operating); 0% to 90% humidity (non-condensing)
Usage	Indoors; Outdoors (avoid direct sunlight and bright reflections)
Compliance & Certificates	IEC 62471:2006-07 (eye safety), RoHS, FCC-Class B, IP54, STQC
Resolution	Spatial: $\geq 60\%$ @ 4.0 Lp/mm, Pixel: ≥ 16 Pixels/mm
Connectivity	USB 2.0
Product package	Encased
Security	PKI (2048-bit) and AES (256-bit); X509 Certificate, PFX/PKCS#12 Certificate, RSA key pair generated on-board
Ancillary SW	Demo Application, Drivers, SDK (C/C++, .NET C#/VB, Java) with Sample codes (※ Please specify before ordering)
Host OS	Windows, Linux, Android, Mac, eLinux (※ Please specify before ordering)