

IriShield-USB MK2120UL IRIS SCANNER



PRODUCT DESCRIPTION: The IriShield-USB MK 2120UL features IriTech's superior iris for Aadhaar Authentication of beneficiaries in domains like PDS, MGNREGS, Pension, AEBAS etc. Capable of excellent iris matching thru iris image quality assessment algorithms to provide good quality images and avoid false positives while maximizing true positive identification rates.

FEATURES: All key functions like iris capture, iris recognition, encryption and digital signature are done in a secure environment STQC certified, Tamper-proof - Supported interface connections: USB, UART– Supported.

OPERATING SYSTEM: Android/ Windows/ Linux

ADVANTAGES: Cost-effective - Ultra-compact, light weight , Power management functions

APPLICATIONS: Beneficiaries Aadhaar authentication for domains like PDS, MGNREGS, HEALTH CARE (Ayushman Bharat Yojana), PENSIONS Schemes, AEBAS, Micro ATM etc.

CERTIFICATIONS: STQC, RD 2.0, Fully Aadhaar Compatible.

SUPPORT : More than 1000+ Service Points in PAN India

PRODUCT SPECIFICATION:

Capture Mode and capture time	: Auto capture with built-in quality check, under 5 sec.
Image Margins	: Left & right $\geq 0.6x$ Iris radius, Top & bottom $\geq 0.2x$ Iris radius
Capture Distance	: 15.0 cm – 16.0 cm (5.9 Inches-6.3 Inches) from the camera front (Optimal distance =15.5 cm (6.1 Inchs), focal depth = 1 cm (0.4 Inch)
Output Image	: K2, K3, K7 and IMAGE_TYPE_CROPPED_AND_MASKED with JPEG2000 compression; compliance with the ISO standard ISO/IEC: 19794-6-2011
Pixel Depth	: Minimum of 8bits/pixel
Dimensions	: 51.2mm x 92.6mm x 15.1mm (2 in x 3.6 in x 0.59in)
Power	: Single USB Bus Powered (DC +5V $\pm$ 5%) (Max. power consumption=300mA)
Contrast	: The iris image should have good grey level separation between the iris and sclera and between the Iris and pupil and should have sufficient contrast to reveal the Iris texture.
Environmental	: -20°C to +60°C (Storage); 0°C to + 50°C (Operating); 0% to 90% Humidity (Non-Condensing)
Scan Type	: Progressive
Compliance & Certificates	: Eye safety standard (Exempt Group per IEC 62471:2006-07), RoHS, FCC part 158/IEC:CISPR 22 CLASS B, IP54, IEC/EN 61000-4 3:2006+A2:2010
Resolution	: Spatial: $\geq 50\%$ @ 1.0lp/mm, Pixel: ≥ 10 Pixels/mm
Connectivity	: USB 2.0
Software API	: Compliant with UIDAI API specifications
Operational Performance	: FRR < 1% at FAR of 1 in 1,00,000 with Images conforming to IMAGE_TYPE_CROPPED_AND_MASKED of Size <3.5KB
Ancillary SW	: Demo Application, Drivers, SDK (C/C++) with Sample codes (# Please specify before ordering) Linux Family, Android, (# Please specify before ordering)

(Specifications & Features are subject to change without notice)