

# Next Generation Dual Iris Scanner

Total Security Solution  
J2C



## Auto-Tilt Scanner S-100

The S-100 is cost-effective wall mount-type dual iris recognition scanner with sophisticated and space-saving in design. Developed by ISQ Tech's [Next Generation Iris Capture Imaging Technology](#) (Patent) combined with state-of-the-art hardware, S-100 offers superior iris capture capability to its competitors, which enables to capture dual iris image extremely rapid and bring the most accurate identification & verification. This unique-design Scanner can be built in Enrollment Stations, Self-service ID Kiosks, Access control and time and attendance solutions as well as many other applications where secure & hands-free personnel identification is necessary. The S-100 has a built-in Automatic Tilt and face finding feature, making for an effortless user experience, and the best value product in its class.

## Features



### Next Generation of Iris Recognition Technology

Patented Sensing Technology detects both iris impeccably even with wide gap of Binocular Disparity



### Wall mounted & Built-in Type

Optimized for wall mounted Access Control and kiosk identification.



### Compact & Space-saving Design

Lightweight and Compact Size optimizes placement or mounting options



### Motorized Auto-Tilting

Rotating camera angle from -30° to +30° vertically detects subject's eyes by automatically adjusting height



### Intuitive User Interface

Intuitive User Interface System enables users to be quickly enrolled and identified



### High-speed and High Quality Dual Iris Image Capture Technology

Allows fast capture for dual iris images simultaneously in compliance with the ISO/IEC 19794-6 Standards



### LED Indicator Light

Lighting of 3 Color LED (Blue/Red/Green) guides to the optimum capture distance



### Fine-grained Measurement

Provides Iris Diameter and Interpupillary Distance that is detailed less than 0.1 mm range

## Application



Enterprise Security  
(Access Control)



Border Control  
(ID verification)



Kiosk Self-Service  
(Personal ID)



Kiosk / Mine Worker  
(Time Attendance)



Kiosk / Construction Labor  
(Time Attendance)



Children Care  
(Public Safety)



Anti-Terror  
(Public Safety)



Top Secret Area  
(Access Control)



Cockpit  
(Access Control)

## Technical Specification

Item	Description
Dimensions (Net)	185(W) X 96(H) X 79(D) mm (7.28 x 3.78 x 3.11 inches)
Weight	250 grams (8.82 ounces) without cradle
Iris Image Pixel Resolution	640 X 480 Pixels, 8 bits
Image Output	Compliant with ISO 19794-6, Kind 7
Operational Iris Imaging Distance	310 to 350 mm (12.21 to 13.78 inches)
Iris Diameter	≥230 Pixels for iris diameter of 9.5 to 13.5 mm
Inter-Pupillary Distance Covered	42 to 86 mm (1.65 to 3.39 inches)
Voice Indication	English Standard, others available by download
LED Indication	Dual LED • Blue : Subject too far away • Green : Subject within capture volume • Red Blinking : Subject is too close
Status LED	Multi Color-Red, Green, Blue for status and alarm indication
Rotation Angle	-30° to +30°
Maximum User Speed for Iris Capture	76 mm / sec (3 inches / sec)
Frame Rate	30 FPS (*Option 60 FPS)
IR illumination for Iris Imaging	Dual LED : Wavelengths of 850 nm (~60%) and 750 nm (~40%)
Communication	USB 2.0 High Speed x 2
Input / Output	Programmable GPIO x 4, DC Input Terminal
Power	2.0A @ 5.0VDC (Adaptor)
Operating Temperature	0°C ~ 40°C
Humidity Range	10 % to 90 % non-condensing
Eye Safety Standard	IEC 62471
Certification	CE, FCC, CCC, USB-IF, WHQL
Host OS supported by SD	MS Windows XP / Windows Vista / Windows 7 / Windows 8 Linux, Android 4.0 (Ice cream Sandwich) or later version



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