

# Next Generation Dual Iris Recognition Device



## Compact Desktop D-100

The D-100 is affordable Desktop-type iris recognition device with lightweight and compact in design. Developed by ISQ Tech's *Next Generation Iris Capture Imaging Technology* (Patent) combined with state-of-the-art hardware, D-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. Easy to use, Intuitive User Interface makes subject guided to the optimum capture distance and Advanced Dual Iris Recognition Technology produces high quality ISO/IEC standards compliant iris images. This device is connected to host PC via USB 2.0 interface and placed anywhere with bundled Desktop Cradle. We believe that D-100 can be ideally optimized for large scale enrollment and authentication applications.

## Features



### Next Generation of Iris Recognition Technology

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



### Light and Compact in Design

Lightweight and Compact Size optimizes placement or mounting options



### 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 0.1mm range

## Application



Information&Data Security  
(Private Data)



Cyber Security  
(Personal ID)



Customer Management  
(Customer ID)



Immigration Control  
(Civil ID)



Banking Security  
(Bank Account)



Transactions  
(POS/Credit Card)



Top Secret Area  
(Access Control)



Cockpit  
(Access Control)

## Technical Specification

Item	Description
Dimensions (Net)	144(W) X52(H) X 37(D) mm (5.67 x 2.05 x 1.46 inches)
Weight	200 grams (7.05ounces) without cradle
Iris Image Pixel Resolution	640 x 480 Pixels, 8 bits
Image Output	Compliant with SO 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)
Maximum User Speed for Iris Capture	76 mm / sec (3 inches / sec)
LED Indication	Dual LED <ul style="list-style-type: none"> <li>• Blue : Subject too far away</li> <li>• Green : Subject within capture volume</li> <li>• Red Blinking : Subject is too close</li> </ul>
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
Power	2.0A @ 5.0VDC(Adaptor)
Operating Temperature	0°C ~ 40°C
Humidity Range	10 % to 90 % non-condensing
Eye Safety Standard	IEC 62471
Certifications	CE, FCC, CCC, USB-IF, RoHS, WHQL
Host OS supported by SDK	MS Windows XP / Windows Vista / Windows 7 / Windows 8 Linux, Android 4.0 (Ice Cream Sandwich) or later version



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