

Next Generation Dual Iris Access Control

Total Security Solution
J2C



New Generation Iris Access Control AC-100

The AC-100 is iris recognition based time attendance and access control terminal with “non-contact” Smart card reader. Advanced ISQ Tech’s Iris Recognition Technology simultaneously captures iris images from both eyes instantly and provides Near real-time template matching results. Intuitive User Interface with interactive visual and voice guidance allows users to be rapidly enrolled and identified. The live LED indicator displays current operating conditions and 5.0 inches Touch Panel Screen makes easier communication for Enrollment/Authentication. An auto-focus lens on built-in Scanner achieves high quality of Dual Iris Images in a short time and Auto-Tilting mechanism increases speed and convenience by adjusting to height with one simple touch or when combined with smart cards. This AC-100 will be the perfect solution to control the access of users to physical locations such as buildings, offices, datacenters or restricted security areas in general.

Features



Next Generation of Iris Recognition Technology

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



Face Detection and Two-eye Authentication

Allows fast capture for dual iris images simultaneously with Face Detection



Automatic Vertical Height Adjustment / Manual up-down Tilting

Motorized Auto-Tilting mechanism detects target for dual iris capture by adjusting for height automatically and the scanner units also swivels up and down manually by users



Easy-to-use, Intuitive User Interface

Intuitive User Interface System with interactive visual and voice guidance enables users to be quickly enrolled and identified



LED Indicator Light

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



Flexible Authentication

Card-based authentication is allowed by Integrated "Non-Contact" Smart Card Reader and flexible authentication for security level-up/down is also available by TFT-LCD's Key function authentication, Iris recognition, Smart Card Reader respectively or combined



Touch Screen GUI

An integrated 5" Touch Screen LCD makes operation/authentication status clearly visible

Application



Building Security



Transportation Security



Laboratory Security



Infrastructure Security



Public Safety & Justice



Time & Attendance



Border Control



Data Center Security



Home Security



Prison Control

Technical Specification

Item	Description
Dimensions (Net)	200(W) X 185(H) X 73.5(D) mm (7.87 x 7.28 x 2.89 inches)
Weight	1.5 kg (52.91 ounces)
Iris Image Pixel Resolution	640 X 480 Pixels, 8 bits
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
Image Output	Compliant with ISO 19794-6, Kind 7
Processor, Operating System	ARM Core, Android 4.0
Inter-Pupillary Distance Covered	42 to 86 mm (1.65 to 3.39 inches)
LED Indication	Dual LED • Blue : Subject too far away • Green : Subject within capture volume • Red Blinking : Subject is too close
Voice Indication	English Standard, others available by download
Status LED	Multi Color-Red, Green, Blue for status and alarm indication
Flash	High output flash for CCTV
Camera Module	CCTV, CMOS-5MP
Iris & Face Camera 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	Ethernet (LAN, WiFi), RS422, RS232
Inputs / Outputs	Proximity Card Reader (Wiegand In), Embedded Smart Card Reader (Optional), Wiegand In, Wiegand Out, Dry Contact Relay x2, Programmable GPIO x 4
External Media Device Connectivity	Spare USB port
Power Input / Consumption	2.0A @ 12VDC / 24W
Operating Temperature	0°C ~ 40°C
Humidity Range	10 % to 90 % non-condensing
Eye Safety Standard	IEC 62471
Certification	CE, FCC, CCC, UL, USB-IF, WHQL
Support SDK	Linux, Android 4.0 (Ice Cream Sandwich) or later version



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