

ID Force IRIS01

Dual Biocular Iris Scanner



BRANDING - product brand logo, the side with nameplate is front, which should face up when used

HAND HOLDING AREA - used to assist users to hold the device



CONNECTING CABLE - USB communication mode, used for connecting and supplying power between the device and PC or terminal machines

STANDARD TRIPOD MOUNTING NUT - can be used to attach the IRIS Scanner to a tripod.

EYE MASK - designed to assist Iris location for Iris acquisition

The device adopts binocular telescope structure design, which is easy to use, more ergonomic, and is suitable for all kinds of people. USB interface is adopted, which can meet the secondary development needs of different users.

Product Features

1. Iris image quality meets the regulation Technical Requirements for Iris Capture Device for Criminal Investigation;
2. The telescope design perfectly shields the influence of external light and can be used normally indoors and outdoors;
3. The device supports both iris capturing and identification functions, and can complete relevant functions within 1 second;

Software System

1. Support the integration of images captured by iris devices that meet the regulation. Technical Requirements for Iris Capture Device for Criminal Investigation;
2. Support docking with the criminal specialized system;
3. Support iris data collection and deduplication;
4. Support iris identification and verification;
5. Support user permission management.

Application Scenario

1. Deployed in the personnel basic information integrated collection room for iris image collection;
2. Deployed at key checkpoints to collect iris information and verify the identity of key personnel and criminals;
3. Provide efficient and shared iris comparison services for all police categories.



Dual Biocular Iris Scanner

SPECIFICATION

BASIC PARAMETERS

Boot Time	<1s
Working Voltage	DC5V(±5%)
Power Waste	Standby 0.2W, working 2.25w
Size	220mm×160mm×65mm (length×width×height)
Installation Mode	Drive free
Weight	Approx. 450g
USB Cable Length	1.5 Meters

PRODUCT FUNCTIONS

Working Mode	Binocular iris
Basic Function	Iris capture
Work Distance	0cm-1cm (distance from eyes to eye mask)

PRODUCT PERFORMANCE METRICS

Capture Time	<1s
Device Resolving Power	4lp/mm
Iris Capture Resolution	≥20pixel/mm
Gray Level	256 grades
Gray Level Utilization Rate	≥ 6 bits
Contrast between Iris and Pupil	≥30
Contrast between Iris and Sclera	≥10
Proportion of Iris Effective Area	≥60%
Security for Eyes	Comply with IEC62471, GB/T 20145-2006

COMMUNICATION INTERFACE

Interface	USB 2.0
-----------	---------

COMPATIBILITY

Operating System	32 / 64bit Windows, Linux, Android
------------------	------------------------------------

ENVIRONMENTAL ADAPTABILITY

Work Temperature	-10 C - 55 C
Relative Humidity	20% - 93% ⁰
Electrostatic Discharge Immunity	Gb/t 17626.2-2006 grade 2
Radio Frequency Electromagnetic Field Radiation Immunity	Gb/t 17626.2-2006 grade 2

