LOC◄KIT

Iris Technology Innovator
Iris Recognition Solution
Iris Recognition Camera

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LOC‹IT

IRISYS Protects sensitive information.

We never store your iris data, we only use it

LOCKIT USB

Main feature

·Highly secure USB memory with iris recognition
·Possible to be used as a security token and replace
 Authorization Certificate
·Subminiature iris recognition camera(internally developed)
·World's fastest recognition speed within 0.2-0.8 sec
·Compatible with smart phones and PCs
·Options: DRM feature (preventing counterfeiting,
                    unauthorized capture, and data leakage)
              Website login feature
              NFC, Zigbee, and Bluetooth available
·Auto-lock function when USB is removed
·Possible to linkup USB memory with smart phone

Item	LOCKIT USB		
Recognition time	Within 0.2~0.8sec	Interface	Parallel
Memory size	16GB / 32GB	FAR (False Acceptance Rate)	0(%)
Capture scope of iris images	Up to 23cm	FRR (False Rejection Rate)	0.16(%)
Operational temperature scope	-20~80℃	Connector	Micro USB
Iris camera	5M	Power consumption	Operation-50mW / Standby-5mW
Focusing of iris	AF(Auto Focusing)	Size	33mm X 83mm X 12mm

Image of USB in use

Mobile

Tablet PC

Notebook

Desktop

IRISYS LOCKIT

IRISYS Brings you a world free from ID and password.

MOBILE SOLUTION
USER OPTIONS

Application

Screen Lock
Screen Lock via iris recognition

App Lock
Function to lock applications seperately

Web Login
Replacing ID/Password with Iris recognition

OTP
OTP via iris recognition

E-Payment
Iris recognition based E-payment solution

Applicable mobile phones

Any Android mobile phones such as
Samsung Galaxy, LG G Series, Google Nexus, etc.

Camera specification

Active Pixels : 2,560(H) x 1,920(V)
Frame Rate : 1296 Mbps@YCbCr(5M) 30 frame/s(2 Lane)
　　　　　　　864 Mbps@JPEG(5M) 30 frame/s(2 Lane)
Pixel Size : 1.4μm x 1.4μm
Output Data : Parallel 8Bit Data
Max. Capture frame rate : 15fps @full resolution
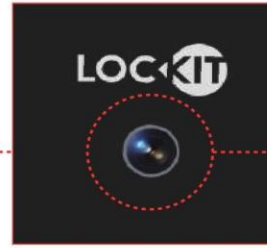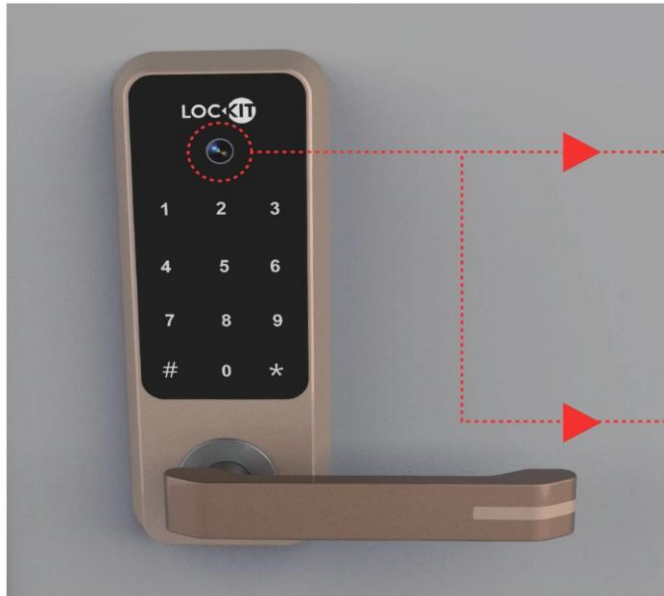Angular field of view : 68.4°± 1. 50°(D)

LOCKIT OTP

Main feature

·Reinforced financial security system
·One Time Password through iris recognition
·Subminiature iris recognition camera(internally developed)
·Possible to be used to receive registration number from financial institutions
·Two factor authentication security measure (2FA)
　▶ 1) Iris recognition → 2) One Time Password
·Applicable to both website logins and E-payment
·Applicable as a security token

Item	LOCKIT OTP		
Recognizing time	Within 0.2~0.8sec	FAR (False Acceptance Rate)	0(%)
Capture scope of iris images	Up to 23cm	FRR (False Rejection Rate)	0.16(%)
Operational temperature scope	-20~80℃	Connector	Micro USB
Iris camera	5M	Power consumption	Operation-50mW / Standby-5mW
Focusing of iris	AF(Auto Focusing)	Size	32mm X 83mm X 12mm
Interface	Parallel		

LOCKIT Module Application

Doorlock

Equipped with iris recognition camera

Iris recognition using LOCKIT USB

Safety box

Equipped with iris recognition camera

Iris recognition using LOCKIT USB

· Possible to open and close door via iris registration and authentication
· Use of short-range wireless communication (Bluetooth, Zigbee, NFC)
· Compatible with LOCKIT USB and mobile app
· Possible to embed iris recognition camera onto door lock/safety box
· Door lock Design/model customization possibility
· Iris recognition & Fingerprint authentication can be used as a dual-security system for safety boxes

Item	LOCKIT Doorlock / Safety box
LOCKIT module size	28mm(W)x64mm(H)x1mm(D)
Distance of recognition	Up to 23cm
Voltage	5V~12V
Maximum number of user	100 person (can be customized)