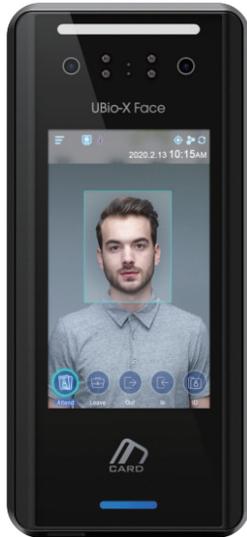


UBio Series



UBio-X Face

Easy Performance Face Terminal

Main Features

- **Walk-Through method** Face Recognition at a distance up to 3m
- **Liveness Detection** by distinguishing actual people
- **Anti-Spoofing** attacks against photos, videos & 3D masks
- Using Camera or Mobile Phone Pictures, **Easy Face Enrollment**
- **Mask Detection** Function
- **Fever Detection** combined with Face Recognition system
- High Speed Matching Algorithm
Face 1:20,000 Templates < 1 sec
- Up to **20,000 (1:1 Face)**
500,000 (1:1 Card)
- Up to **25,000 Lux**

Face

Card

PIN



UBio-X Iris

Advanced Multi Biometric Iris/Fingerprint Terminal

Main Features

- Iris Recognition at a Distance up to **65cm**
- Built-in Camera for **Auto-Tilt Function** (Auto adjust depending on height)
- **Mask Detection** Function
- **Fever Detection** combined with Iris Recognition system
- High Speed Matching Algorithm
Iris 1:40,000 Templates < 1 sec
Fingerprint 1:100,000 Templates < 1 sec
- Up to **200,000 (1:1 Finger)(1:1 Iris)**
- Patented Fake Fingerprint Detection

Iris

Finger

Card

PIN



UBio Series



UBio-X Pro2

High-End Multi-Biometric Face/Fingerprint Terminal

Main Features

- Walk through (Non-cooperative) method for Face Recognition at a Distance up to 3m
- Liveness Detection by distinguishing actual people
- Anti-spoofing attacks against photos, videos & 3Dmasks
- Using Camera or Mobile Phone Pictures, Easy Face Enrollment
- Mask Detection Function
- Fever Detection combined with Face Recognition system
- High Speed Matching Algorithm
Face 1:20,000 Templates < 1 sec
Fingerprint 1:200,000 Templates < 1 sec
- Up to 20,000 Users (1Face/1User)
- Up to 500,000 Users (1Finger/1User)
- Up to 25,000 Lux
- Patented Fake Fingerprint Detection

Face

Finger

Card

PIN



UBio-X Pro / UBio-X Pro Lite

High Performance Face/Fingerprint Terminal

Main Features

- Collaborative close-up method for Face Recognition
- High Speed Matching Algorithm
Fingerprint - 1:200,000 Templates < 1 sec
Face 1:150,000 Templates < 1 sec (UBio-X Pro)
1:35,000 Templates < 1 sec (UBio-X Pro Lite)
- Up to 500,000 Users (1:1 Finger)
200,000 Users (1:1 Face)(UBio-X Pro)
100,000 Users (1:1 Face)(UBio-X Pro Lite)
- Up to 30,000 Lux
- Latest Android-based intuitive GUI with 5" Touch LCD
- Patented Fake Fingerprint Detection

Face

Finger

Card

PIN

UBio Series



UBio-X Slim

Slim & Premium Fingerprint/Card Terminal

Main Features

- The World's Slimmest 13.4mm Optical Sensor
- Slim and Elegance Design Matches with any Environment
- High Speed Matching Algorithm
Fingerprint 1:200,000 Templates < 1 sec
- Up to 100,000 Users (1:1 Finger)
- Patented Fake Fingerprint Detection

Finger

Card

PIN



UBio Tablet5

Portable Fingerprint/Card Terminal

Main Features

- The World's Slimmest 13.4mm Optical Sensor
- Compact Size with easy portability
- Built-in 2G, 3G, WCDMA 2100(Optional: 850/1900), 4G band in B1/B3/B7
- FBI PIV + FAP20 Certification
- NFC Card Support
- Built-in Camera
- Patented Fake Fingerprint Detection

Finger

Card

PIN

Biometric Terminals

AC-7000 Biometric Face/Fingerprint Terminal



Main Features

- Built-in Camera for **Auto-Tilt Function** (Auto adjust depending on height)
- High Speed Matching Algorithm
Face 1:10,000 Templates < 1 sec
 Fingerprint 1: 50,000 Templates < 1 sec
- Up to **250,000 Users (1:1 Finger)**
10,000 Users (1:1 Face)
- 5" Color Touch LCD
- Patented Fake Fingerprint Detection

Face

Finger

PIN

Card

AC-5000 IK

IP Based Fingerprint/Card/ PIN Outdoor Terminal



Main Features

- **IK09 Vandal Proof Structure**
- **IP65 Dust & Waterproof**
- Up to 20,000 Users(1:1) / 15,000(1:N)
- Up to 40,000 Templates(1:1) / 30,000(1:N)
- 2.8" Color LCD
- Patented Fake Fingerprint Detection

Finger

Card

PIN

AC-2200



Fingerprint/Card and Mobile Card Outdoor Terminal with Camera



Main Features

- **IP65 Dust & Waterproof**
- **Bluetooth Support**
- Built-in Camera
- 1.77" Color LCD
- Up to 10,000 Users(1:1) / 5,000(1:N)
- Up to 20,000 Templates(1:1) / 10,000(1:N)
- Patented Fake Fingerprint Detection

Finger

Card

Mobile Card

AC-1100



Card/PIN and Mobile Card Terminal with Camera



Main Features

- **VoIP Support**
- **Bluetooth Support**
- 4" Color LCD
- Built-in Camera
- Up to 200,000 Users

Card

PIN

Mobile Card

AC-2000



Fingerprint/Card and Mobile Card Outdoor Terminal



Main Features

- **IP65 Dust & Waterproof**
- **Bluetooth Support**
- Up to 10,000 Users(1:1) / 1,500(1:N)
- Up to 20,000 Templates(1:1) / 3,000(1:N)
- Patented Fake Fingerprint Detection

Finger

Card

Mobile Card

Thermal Modules



TE-EQ1

Contactless Thermal Camera

- Contactless Fever Detection System
- Possible to Link with Access Control System
- A Linkable Terminal: [UBio-X Pro2](#)



Thermal-i

Contactless Thermal Sensor

- Contactless Fever Detection System
- Possible to Link with Access Control System
- Linkable Terminals: [UBio-X Pro2](#), [UBio-X Iris](#)



Thermal-i2

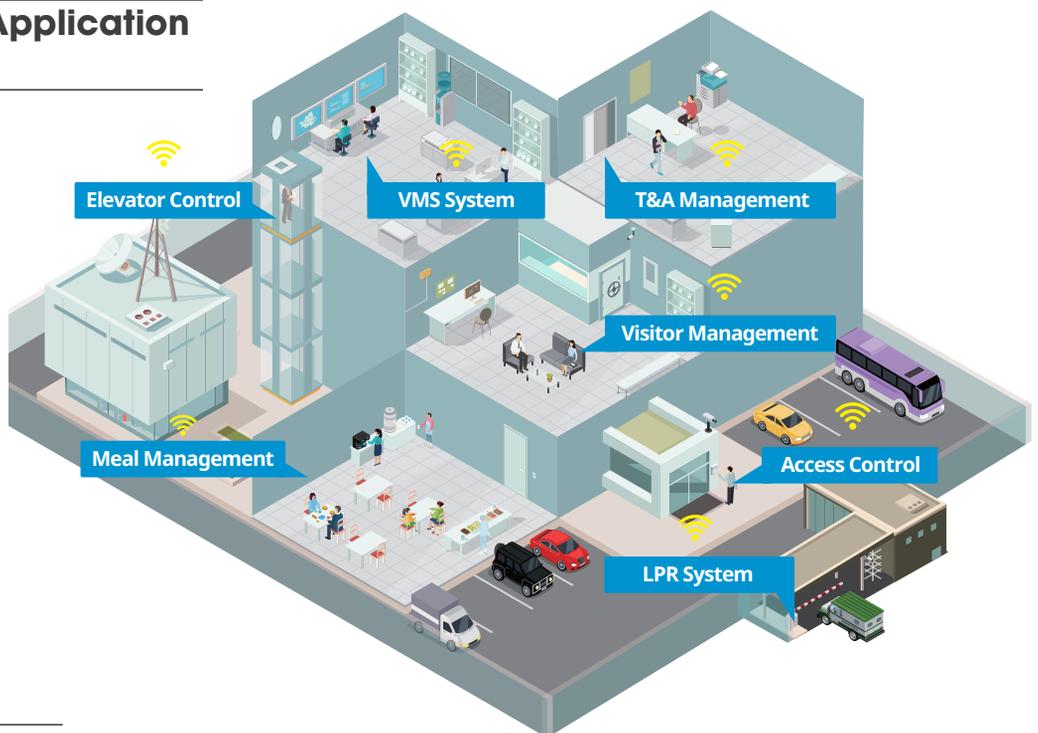
Contactless Thermal Sensor

- Contactless Fever Detection System
- Possible to Link with Access Control System
- A Linkable Terminal: [UBio-X Face](#)

Software **UBio Alpeta**

UBio Alpeta is a web-based, next generation integrated security solution. This solution supports Access Control and Time & Attendance Management, VMS, License Plate Recognition and more by our package policy. UBio Alpeta is fully compatible with 3rd party systems by Alpeta eXbuilder, a web API standard and can easily be customized for user's needs.

Various Application Fields



Key Feature



Supports integration with VMS, BMS, TNA, PSIM & Other Security Solutions



Includes UBio Alpeta eXbuilder (Customization Tool)



Standardized WEB API



Supports: Chrome, Safari, Internet Explorer, Edge, Firefox & Opera



Fingerprint Matching Server, 1,000,000 Templates < 0.4 sec



Simultaneous Connection to 2,000 Terminals / 200,000 Users



Customizable and Intuitive UI



Access Control, Time & Attendance, Meal Management, Visitor Registration and More

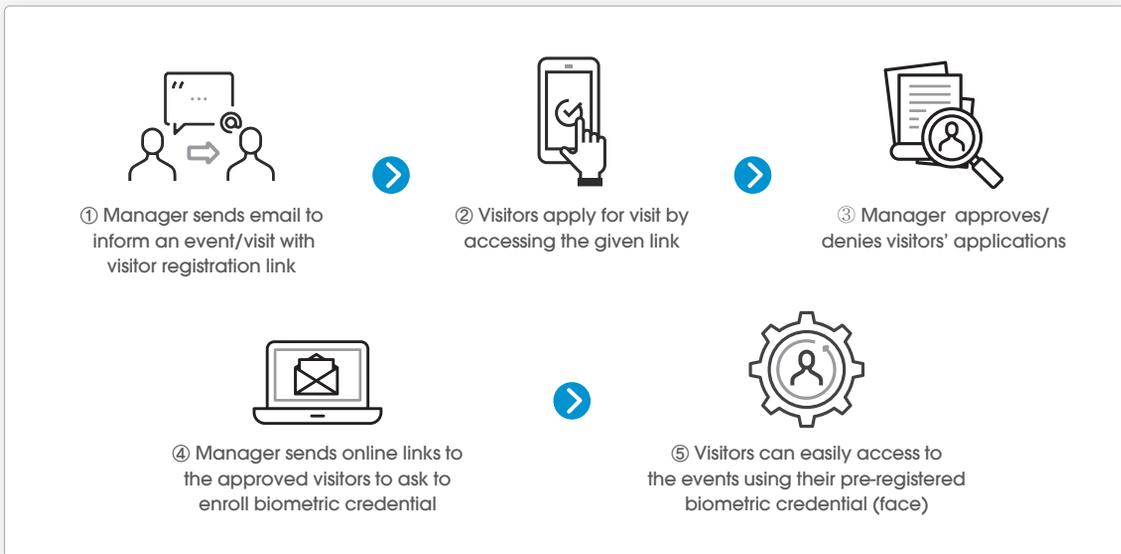


Registration & Management via Mobile

Contactless & Remote Visitor and Event Management System

It is a non-contact and remote visitor management system that allows people to apply for visitor registration using smartphones. It makes visitor management easier, safer and convenient.

Operation Example



System Features



Visitor can apply for events (seminar, education, and etc) by completing pre-application forms via mobile



Integration with access control system



Block potential infections via contactless method



Easy to manage visitor's access data



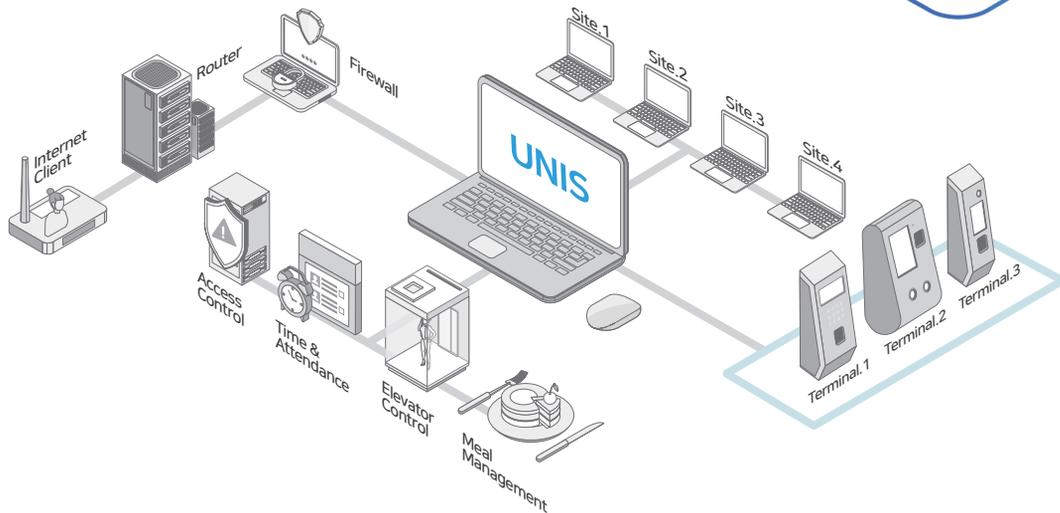
Enroll visitor's biometric authentication method (face, fingerprint etc..) via mobile

Software **UNIS**

UNIS is a server-client based open integrated security management software supporting Access Control, Time & Attendance Management and Meal Management.



System Configuration



Key Feature



Improved Data Processing Performance, up to 60 Times Faster



Enhanced Fingerprint Matching Speed, 100,000 Templates < 1 sec



Elevator Controller Support



Increased Simultaneous Server Connections, up to 1000



Interworking with 3rd Party Software



Improved User Orientated GUI

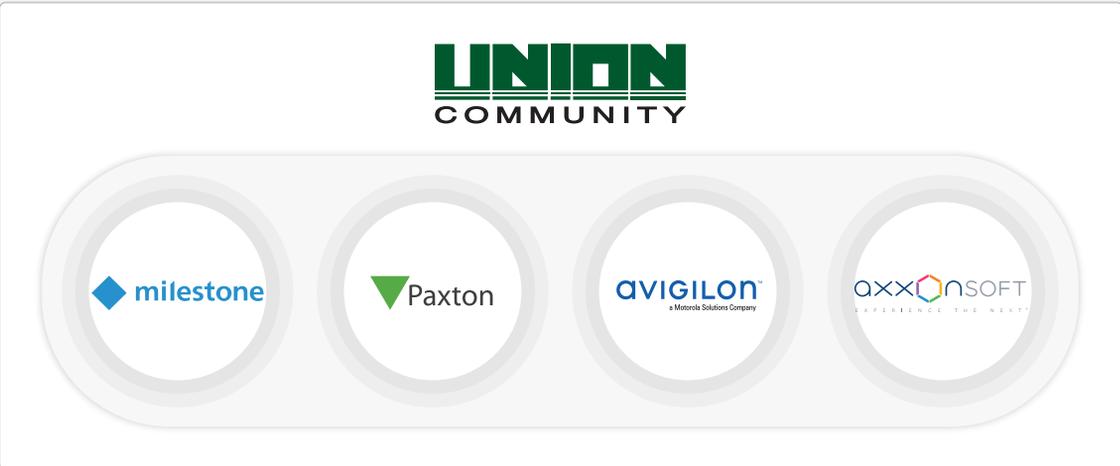


Mobile Key or Card Authentication Function

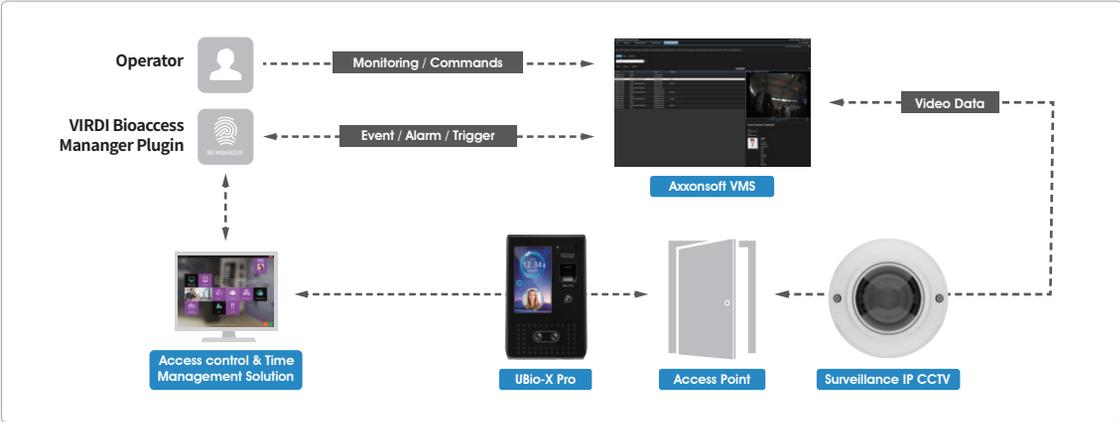
Integration Partners

UNIONCOMMUNITY has been building partnerships with many access control companies globally. We're working with many partners to continuously develop and supply competitive products and solutions.

Global Partner Reference



Axxonsoft System Configuration



Identification

NScan Series



NScan-FMH

Single/Flat USB Fingerprint Device

- FAP20 Certification
- 500dpi Resolution
- Platen Size 16.6 x 21.6mm
- Patented Fake Fingerprint Detection
- Interface USB2.0
- Sensing Size 16 x 21mm



NScan-FA

Single/Rolling Fingerprint USB Enrollment Device

- FBI PIV & FAP20 Certification
- IP54 Dust & Waterproof
- 500dpi Resolution
- Platen Size 26 x 27mm
- Interface USB2.0
- Sensing Size 20 x 25mm
- Patented Fake Fingerprint Detection



NScan-SH

Single/Flat USB Fingerprint Device

- Support up to 256GB USB Memory
- 500dpi Resolution
- Platen Size 16.4 x 19.4mm
- Interface USB2.0
- Sensing Size 13 x 14.8mm
- Patented Fake Fingerprint Detection



NScan-T

USB Four Finger Enrollment Device

- FBI IQS Appendix-F Certification
- IP54 Dust & Waterproof
- 500dpi Resolution
- Platen Size 96 x 85.8mm
- Single, Dual or Rolling Finger Captures
- Interface USB2.0
- Sensing Size 81.28 x 76.2mm
- Applications : Crime Investigation, Passport Issue, Immigration Examination, E-Voting



NScan-P

USB Palm Reader Enrollment Device

- IP43 Dust & Waterproof
- 500dpi Resolution
- Platen Size 156 x 145mm
- Palm, Four Finger, Single Finger, Rolling Finger Captures
- FBI IQS Appendix-F & VCCI Certification
- Interface USB2.0
- Sensing Size 120 x 130mm
- Applications : Crime Investigation, Passport Issue, Immigration Examination, E-Voting



NScan-GS

Optical Fingerprint OEM Module

- 500dpi Resolution
- Interface UART(TTL)
- Patented Fake Fingerprint Detection
- Dimension (W x H x D) 53.6 x 32.6 x 13.4mm
- Up to 10,000 Templates

UNIONCOMMUNITY's ID solution products are equipped with optical sensors designed by UNIONCOMMUNITY's own optical technology and patented fake fingerprint detection algorithm certified by FBI. The ID solution is widely used in banking and public institutions for information security and people identification.

Stamp Scanners



VScan-S40S

USB Stamp/Seal Reader

- 500dpi Resolution
- Platen Size 32 x 32mm
- Sensing Area 30 x 30mm
- Interface USB 2.0 (High Speed)
- Patented Cleaned Stamp Scanner
- Field of Application: Bank, Securities Company, Financial



VScan-S30MA

USB Stamp/Seal or Fingerprint Reader

- 500dpi Resolution
- Platen Size 31 x 31mm
- Sensing Area 30 x 30mm
- Interface USB 2.0
- Patented Cleaned Stamp Scanner
- Field of Application: Bank, Securities Company, Financial

Fingerprint Scanners



eNBioScan-C1

Single Fingerprint Scanner for ID Management

- 500dpi Resolution
- Platen Size 16 x 18mm
- Sensing Area 13.2 x 16mm
- Interface USB 2.0
- FBI PIV, FIPS 201, STQC Certification
- Patented Fake Fingerprint Detection



Fingkey Hamster III

Single Fingerprint Scanner for ID Management

- 500dpi Resolution
- Platen Size 14.8 x 17.9mm
- Sensing Area 12.6 x 14.8mm
- Interface USB 2.0
- Patented Fake Fingerprint Detection



FOH02

USB Card/Fingerprint PC Enrollment Device

- 500dpi Resolution
- Platen Size 16 x 18mm
- Sensing Area 15 x 17mm
- Interface USB 2.0
- Support RFID, Mifare and Multi Card
- Patented Fake Fingerprint Detection



FOH04

USB Fingerprint PC Enrollment Device

- 500dpi Resolution
- Platen Size 21 x 21mm
- Sensing Area 20.3 x 20.3mm
- Interface USB 2.0
- FBI PIV Certification
- Patented Fake Fingerprint Detection

Access & Time Management

Model		UBio-X Face	UBio-X Iris	UBio-X Pro2	UBio-X Pro/ Pro Lite	UBio-X Slim		
Product Image								
Authentication Method		Biometric	Biometric	Biometric	Biometric	Biometric		
Dust/Water Resistance		IP65	X	X	X	X		
Memory	Max Users	Card	(1:1)/(1:N)	500,000	200,000	500,000	500,000	
		Fingerprint (Base on one finger enrollment per user)	1:1	X	200,000	500,000	500,000	100,000
			1:N	X	50,000	100,000	100,000	100,000
		Face (Base on one finger enrollment per user)	1:1	20,000	Iris : 200,000	20,000	200,000 (UBio-X Pro) 100,000 (UBio-X Pro Lite)	X
	1:N		20,000	Iris : 20,000	20,000	30,000 (UBio-X Pro) 7,000 (UBio-X Pro Lite)	X	
	Templates	Fingerprint	1:1	X	400,000	1,000,000	1,000,000	200,000
			1:N	X	100,000	200,000	200,000	200,000
			MAX Templates per Finger	X	2	2	2	2
		Face	MAX Finger per User	X	10	10	10	10
			1:1	20,000	Iris : 400,000	20,000	1,000,000 (UBio-X Pro) 500,000 (UBio-X Pro Lite)	X
			1:N	20,000	Iris : 40,000	20,000	150,000 (UBio-X Pro) 35,000 (UBio-X Pro Lite)	X
	MAX Templates per User	1	Eyes : 2 User : 4	1	10	X		
	Logs		10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	
	Images		20,000	20,000	20,000	20,000	50,000	
	Communication	with server		TCP/IP	TCP/IP	TCP/IP	TCP/IP	TCP/IP
other		USB	USB	SD Card	SD Card	USB		
Wireless LAN(Wi-Fi)		0	Optional	Optional	Optional	Optional		
Wiegand OUT		0	0	0	0	0		
RS232		0	0	0	0	0		
RS485		0	0	0	0	0		
Wiegand IN		0	0	0	0	0		
Display	LCD		5"Color Touch	5"Color Touch	5"Color Touch	5"Color Touch	5"Color Touch	
	Backlight		0	0	0	0	0	
Embedded Camera		Dual	Dual	Dual	Dual	0		
Card	125khz-EM(KHz-EM)		0	0	0	0	0	
	HID Prox		0	0	0	0	0	
	HID iclass(iC)		0	0	0	0	0	
	13.56MHz Smart Card		0	0	0	0	0	
Keypad		Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen		
Function Keys		SOFT	SOFT	SOFT	SOFT	SOFT		
Door Phone		-	VoIP	-	-	-		
FP Sensor (Platen Area) mm		X	Nscan-FM : 16.6 x 21.6	15.5 x 19	15.5 x 19	16.4 x 19.4		
Resolution		X	500dpi	500dpi	500dpi	500dpi		
Dimension	(W) x (H) x (D) mm	96 x 211 x 35.3	160.6 x 214 x 45.4	149.7 x 208 x 89.7	149.7 x 208 x 89.7	80 x 195.6 x 23.5 (Upper) / 54.67 (Lower)		
FRR / FAR		0.1% / 0.0001%	0.1% / 0.0001%	0.1% / 0.0001%	0.1% / 0.0001%	0.1% / 0.0001%		
Operating Temperature		-20 ~ 60 °C	-20 ~ 60 °C					

AC-7000	AC-5100 / AC-5000 IK	AC-2200	AC-2000	AC-1100
				
Biometric	Biometric	Biometric	Biometric	Card
X	X (AC-5100) / IP65 (AC-5000IK)	IP65	IP65	X
250,000	20,000	10,000	10,000	200,000
250,000	20,000	10,000	10,000	X
25,000	15,000	5,000	1,500	X
10,000	X	X	X	X
2,000	X	X	X	X
500,000	40,000	20,000	20,000	X
50,000	30,000	10,000	3,000	X
2	2	2	2	X
10	10	10	10	X
50,000	X	X	X	X
10,000	X	X	X	X
10	X	X	X	X
10,000,000	64,000	100,000	51,000	1,000,000
20,000	17,000 (AC-5100) / X (AC-5100 IK)	10,000	X	15,000
TCP/IP	TCP/IP	TCP/IP	TCP/IP	TCP/IP
SD Card	Bluetooth(AC-5100) / X (AC-5100 IK)	Bluetooth/USB	Bluetooth	Bluetooth/USB
Optional	X	X	X	Optional
O	O	O	O	O
O	O	X	X	O
O	OSDP	OSDP	OSDP	OSDP
O	O	O	O	O
5" Color Touch	2.8" Color	1.77" Color	X	4" Color Touch
O	O	O	X	O
Dual	O (AC-5100) / X (AC-5100 IK)	O	X	O
O	O	O	O	O
O	X (AC-5100) / O (AC-5100 IK)	X	O	X
O	X (AC-5100) / O (AC-5100 IK)	X	O	X
O	O	O	O	O
Touch Screen	O	X	X	Touch Screen
SOFT	10	4	X	SOFT
VoIP	X	X	X	VoIP
21 x 21	16 x 20	14.8 x 17.9	14.8 x 17.9	X
500dpi	500dpi	500dpi	500dpi	X
149.5 x 208.5 x 46	88 x 175 x 43.5	58 x 187.9 x 51.6	58 x 187.9 x 51.6	80 x 153 x 18.2
0.1% / 0.0001%	0.1% / 0.0001%	0.1% / 0.0001%	0.1% / 0.0001%	N/A
-20 ~ 60 °C				

Portable Device

Model	UBio Tablet5
Product Image	
Fingerprint Type	Optical
Resolution	500dpi
Gray Scale	256 gray
Platen Size(W x L)	16.6 x 21.6
Sensing Area	16 x 21
Auto Sensing	0
Speed	10 frames Per second(fps)
Interface	USB 2.0(High Speed)
Operating Temperature	-20°C ~ 60°C
Operating Humidity	10 ~ 90%, non-condensing
Dimension (W x H x D) mm	88 x 197 x 27
Certifications	KC,CE,FCC,ROHS,IP65 (Sensor Surface),FBI PIV+FAP20
Image Format	ISO19794-4,WSQ, RAW, BMP
Template Type	VIRDI, ISO 19794-2,ANSI 378
LFD	0
Operating System	Android
Card Type	NFC
Operating Software(S/W Solution)	UNIS

Enrollment Scanners

NScan-FMH	NScan-SH	NScan-FA	FOH02
			
Optical	Optical	Optical	Optical
500dpi	500dpi	500dpi	500dpi
256 gray	256 gray	256 gray	256 gray
16.6 x 21.6	16.4 x 19.4	26 x 27	16 x 18
16 x 21	13 x 14.8	20 x 25	15 x 17
0	0	0	0
10 frames Per second(fps)	25 frames Per second(fps)	10 frames Per second(fps)	10 frames Per second(fps)
USB 2.0(High Speed)	USB 2.0	USB 2.0(High Speed)	USB 2.0
-20°C ~ 60°C	0°C ~ 60°C	0°C ~ 50°C	-20°C ~ 60°C
10 ~ 90%, non-condensing	10 ~ 90%, non-condensing	10 ~ 90%, non-condensing	10 ~ 90%, non-condensing
75 x 39.4 x 17.2	70.4 x 39.8 x 17.6	47.2 x 81 x 34.4	74 x 92 x 84
KC, CE, FCC, ROHS, FBI PIV+FAP20	ROHS, IP65(Sensor Surface), KC, CE, FCC	EAC, CE, FCC, KC, IP54, FBI PIV + FAP20	WHQL, KC, CE, FCC, ROHS
RAW	WSQ, RAW, BMP	ISO19794-4,WSQ, RAW, BMP	WSQ, RAW, BMP
ISO 19794-2	VIRDI, ISO 19794-2,ANSI 378	VIRDI, ISO 19794-2,ANSI 378	VIRDI, ISO 19794-2,ANSI 378
0	0	0	0
Windows,Android	Windows,Android	Windows,Android, Linux	Windows,Android, Linux
X	X	X	RF: 125KHz proximity card SC: 13.56 MHz smart card
-	-	-	UNIS, AC Server

Model	FOH04	Fingkey Hamster DX	Fingkey Hamster III	eNBioScan-C1
Product Image				
Fingerprint Type	Optical	Optical	Optical	Optical
Resolution	500dpi	500dpi	500dpi	500dpi
Gray Scale	256 gray	256 gray	256 gray	256 gray
Platen Size(W x L)	21 x 21	14.8 x 17.9	14.8 x 17.9	16 x 18
Sensing Area	20.3 x 20.3	12.6 x 14.8	12.6 x 14.8	13.2 x 16
Auto Sensing	0	0	0	0
Speed	15 frames Per second(fps)	3 frames Per second(fps)	3 frames Per second(fps)	7 frames Per second(fps)
Interface	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Operating Temperature	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C
Operating Humidity	10 ~ 90%, non-condensing	10 ~ 90%, non-condensing	10 ~ 90%, non-condensing	10 ~ 90%, non-condensing
Dimension (W x H x D) mm	74 x 92 x 84	54 X 74 X 82.6(with Stand) 27.4 X 40.5 X 73.7(without Stand)	68 X 68 X 81(with Stand) 30 X 48.5 X 70(without Stand)	68 X 73.3 X 85.2(with Stand) 30.2 X 40.9 X 76.4 (without Stand)
Certifications	WHQL, CE, FCC, ROHS, FBI IQS PIV	KC, CE, FCC, ROHS, WHQL	KC, CE, FCC, ROHS, WHQL	KC, CE, FCC, ROHS, WHQL, FBI PIV, FIPS 201, STQC
Image Format	ISO 19794-4, WSQ, RAW, BMP	ISO 19794-4, WSA, RAW, BMP	ISO19794-4,WSQ, RAW, BMP	ISO19794-4,WSQ, RAW, BMP
Template Type	VIRDI, ISO 19794-2,ANSI 378	ISO 19794-2,ANSI 378	ISO 19794-2,ANSI 378	ISO 19794-2,ANSI 378
LFD	0	X	0	0
Operating System	Windows	Windows,Android, Linux	Windows,Android, Linux	Windows,Android, Linux
Card Type	X	X	X	X
Operating Software(S/W Solution)	UNIS, AC Server	AccessManager Pro	AccessManager Pro	AccessManager Pro

Live Scanners

Model	NScan-T	NScan-P
Product Image		
Fingerprint Type	Single Finger/Roll Dual-Finger, Four-Finger, Two Thumbs	Single Finger/Roll Four-Finger, Palm, Writer's Palm
Resolution	500dpi	500dpi
Platen Size (W x L) mm	96 x 85.8	156 x 145
Image Size (W x L) mm	81.28 x 76.2	120 x 130(130 x 130)
Rolling mode Speed	24 frame/s	14 frame/s
Image Quality Standards	FBI IQS Appendix-F	FBI IQS Appendix-F, VCCI
Operating Temperature	0 ~ 50 °C	0 ~ 40 °C
Ingress Protection	IP 54	IP 43
Operating Humidity	10 ~ 90%, non-condensing	10 ~ 90%, non-condensing
Dimension (W x H x D) mm	162 x 156.8 x 200	315 x 147 x 313.2
Weight (kg)	2.3(without heater)	8.2(without heater)
Certifications	WHQL, EAC, CE, FCC, KC	EAC, CE, KC, FCC
Interface	USB 2.0 (Data & Power)	USB 2.0 (Data)
Heater	Optional	0
Operating System	Windows, Android, Linux, java	Windows, Android, Linux

Stamp Scanner

Model	VScan-S40S	VScan-S30MA
Product Image		
Fingerprint Type	Oval Stamp / Seal	Oval Stamp / Seal
Resolution	500dpi	500dpi
Platen Size (W x L) mm	32 x 32	31 x 31
Image Size (W x L) mm	30 x 30	30 x 30
Rolling mode Speed	7.5 frame/s(Merging)	15 frame/s(Merging)
Image Quality Standards	X	X
Operating Temperature	0 ~ 50 °C	0 ~ 50 °C
Ingress Protection	X	X
Operating Humidity	10 ~ 90%, non-condensing	10 ~ 90%, non-condensing
Dimension (W x H x D) mm	150 x 82.5 x 22	72 x 58.3 x 120.4
Weight (kg)	0.25	0.7
Certifications	WHQL, KC	WHQL, KC
Interface	USB 2.0 (Data & Power)	USB 2.0 (Data & Power)
Heater	N/A	N/A
Operating System	Windows 10, Android	Windows, Android

OEM Modules

Model	NScan-GS
Product Image	
Fingerprint Type	Optical
Resolution	500dpi
Gray Scale	256 gray
Template Capacity	10,000 Templates
Log Capacity	X
Enrollment Time	< 1 sec
Verification Time	< 1 sec
Host Communication	UART(TTL)
Power Consumption(mA)	Standby: Max 90 / Operation: Max 160
Supply Voltage	DC 3.3V ± 0.2V
Encryption	Seed 128
Operating Temperature	-20 ~ 60 °C
Operating Humidity	10 ~ 90%, non-condensing
Dimension (W x H x D) mm	53.6 x 32.6 x 13.4
FRR (False Rejection Rate)	< 0.1%
FAR (False Acceptance Rate)	< 0.0001%
LFD	0

Thermal Modules

Model	TE-EQ1	Thermal-i / Thermal-i2
Product Image		
Type	Micro-Bolometer (uncooled)	Fever detection sensor
Thermal Sensitivity	≤50mk (@F1,300K)	≤140mk.1Hz
Frame Rate	30 fps	12 fps
Array Format	384 x 288	32 x 32
Temperature Accuracy	± 0.5 °C	± 0.3 °C
Dimension (W x H x D) mm	42.5 x 44.6 x 42.7	60 x 22 x 12
Temperature Distance	Adjustable, 0.3 ~ 2M	Adjustable, 0.3 ~ 2M
Control	USB2.0, RS232, 12C, UART	USB
FOV (H x V)	37.9 x 28.7 -46.4	33 x 33
Focal Length	9.7mm	5mm
Power Supply	DC 5V	DC 5V
Operating Temperature	-10 °C ~ 65 °C	-20 °C ~ 60 °C
Scene Range Temperature	-10 °C ~ 150 °C	0 °C ~ 120 °C
Power Consumption	< 1.8W@ (30HZ)	< 38 mA