

# UBio-X Triple

Enhanced Triple Modal Biometric Authentication System  
(Iris, Face, and Fingerprint)



Leading the era of total  
contactless security solution



A wide range of  
authentication options



Reinforced security and  
data encryption level

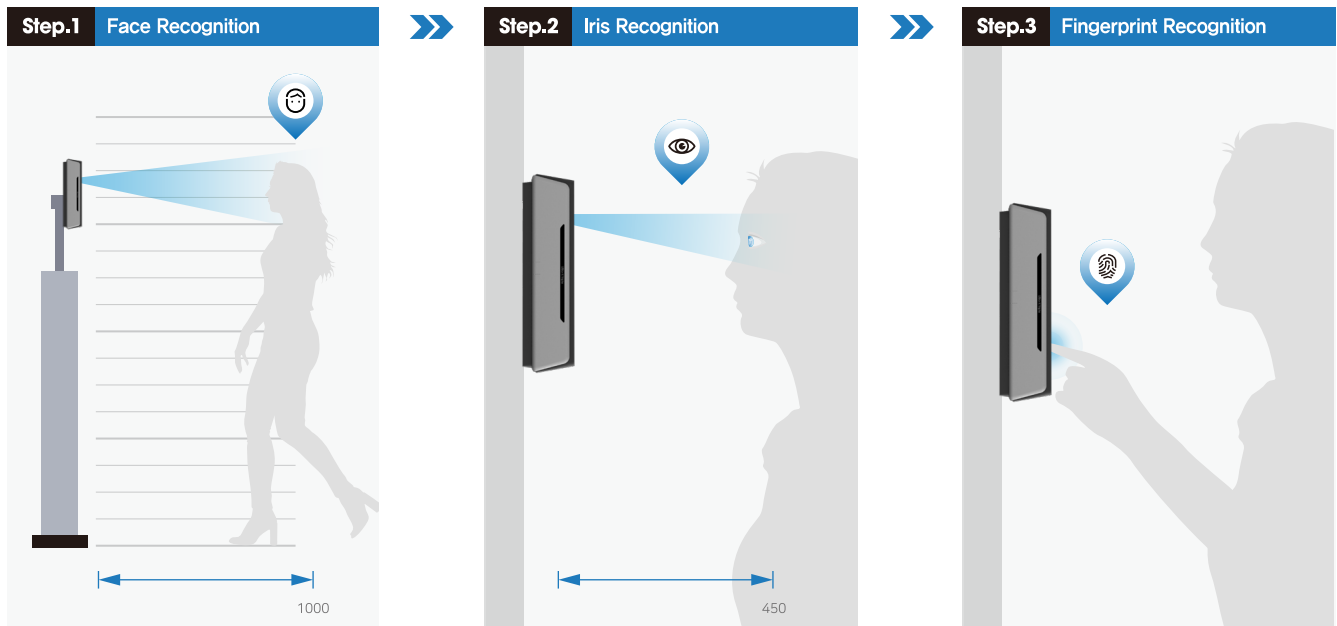


Powered by the latest  
biometric recognition algorithm

**UBio** Your Bio All the Way

## Powered by the latest biometric recognition algorithm

UBio-X Triple is powered by the latest biometric algorithms. It's face, Iris and fingerprint recognition algorithms allow users to recognize face up to 1m, and iris up to 45cm distance, offering accurate and quick authentication.



### Various Biometric Authentication Method

- AND Authentication : Face & Iris & Fingerprint (All 3 credentials must be authenticated)
- OR Authentication : Face or Iris or Fingerprint (Only one needs to be authenticated)

## A wide range of authentication options

UBio-X Triple offers a wide range of authentication options including face, Iris, fingerprint, card, mobile access and more. Authentication method can be selected according to the user's needs providing users with higher security level and ease of use.



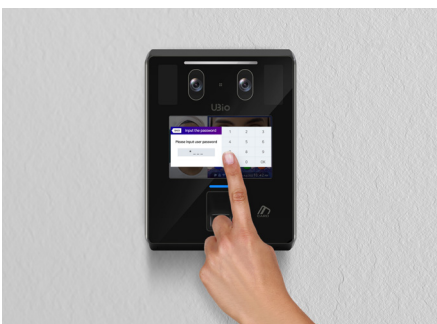
FACE



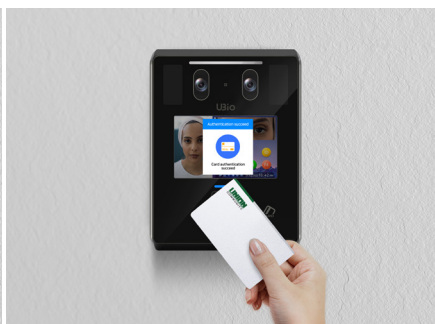
IRIS



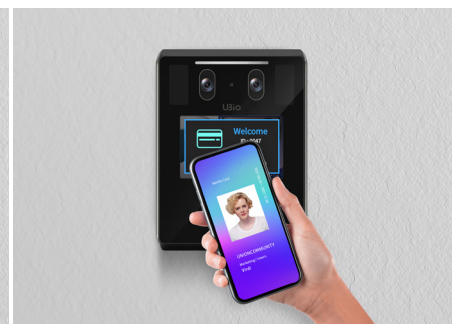
FINGERPRINT



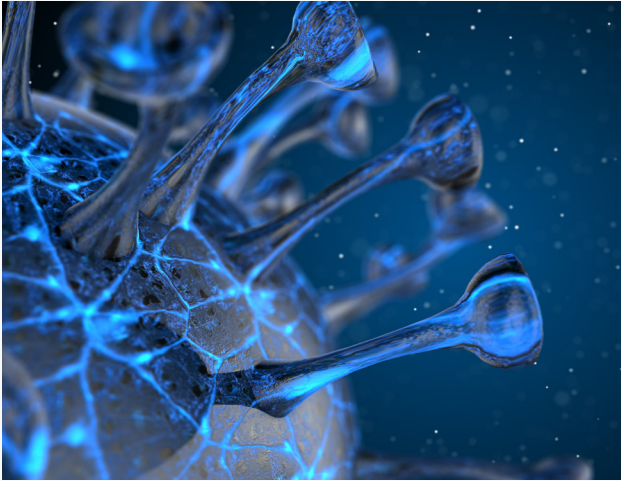
PASSWORD



CARD



MOBILE KEY



## Leading the era of contactless total security solution

Today, "Contactless" has become a key word due to the COVID pandemic. Keeping people safe from the infectious disease is important then ever. UBio-X Triple helps users to be away from the risks of infections by its mask detection and fever screening function. These function can block the suspected infectee's access with warning message.

And it's remote user enrollment function provides very easy and convenient registration environment. User's can enroll their face via mobile phone or tablet or lab top to our UBio Alpeta server system from a remote site with their photo.

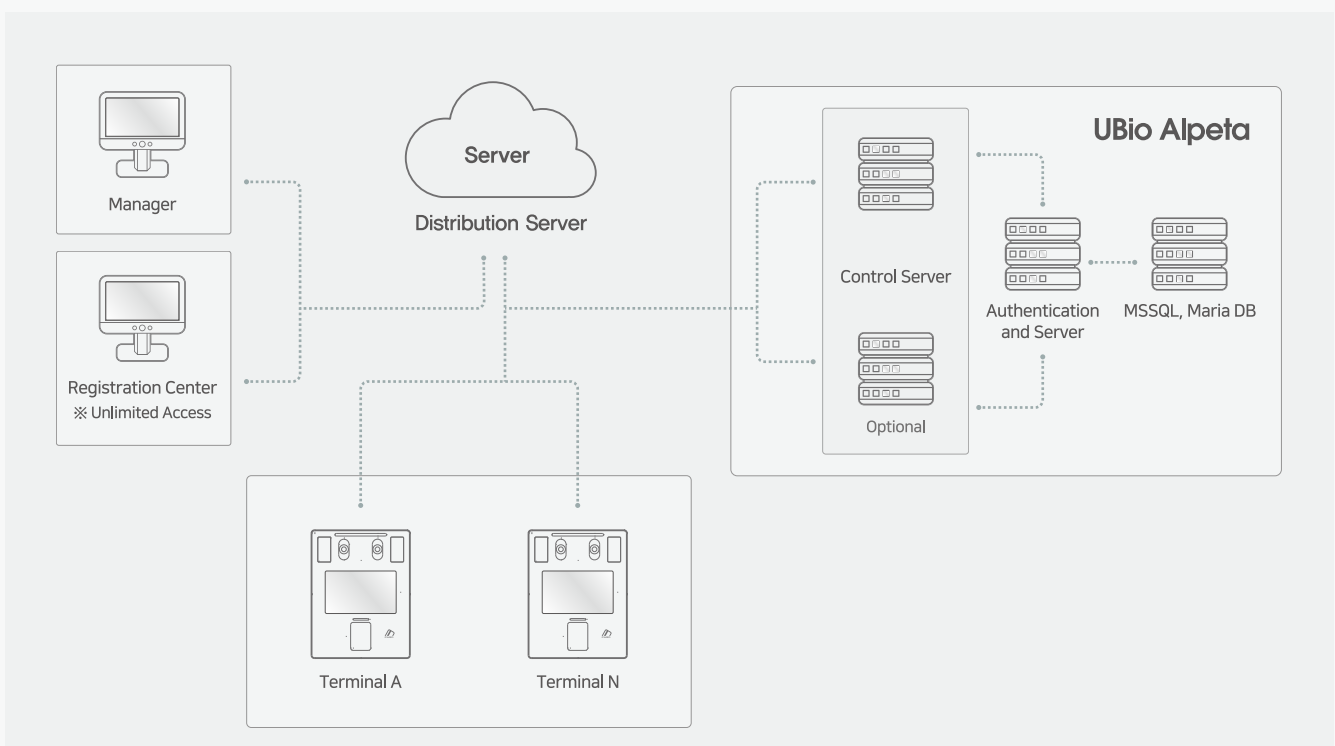


## Reinforced security and data encryption level


All user information, including biometric information is not stored in our terminal nor our server.

The templates extracted from our biometric algorithms are used in authentication and verification. And all the templates are encrypted and stored our distributed server to keep the data safe.

## SYSTEM CONFIGURATIONS



## SPECIFICATION

| Model Name     |  |             |                                  | UBio-X Triple   |  |
|----------------|--|-------------|----------------------------------|---|--|
| Product Image  |  |             |                                  |  |  |
| Capacity       | Max Users                                  | User        |                                  | 200,000   |  |
|                |  | Pin         | 1:1                              | 200,000   |  |
|                |  | Card        | (1:1) / (1:N)                    | 200,000   |  |
|                |  | Fingerprint | 1:1                              | 200,000   |  |
|                |  |             | 1:N                              | 50,000  |  |
|                |  | Face        | 1:1                              | 100,000   |  |
|                |  |             | 1:N                              | 20,000  |  |
|                |  | Iris        | 1:1                              | 200,000   |  |
|                | 1:N  | 20,000      |                                  |   |  |
|                | Logs                                       |             | 10,000,000                       |   |  |
| Images         |  | 20,000      |                                  |   |  |
| Face           | Recognition Distance                       |             | 1M                               |   |  |
|                | Recognition Heigh                          |             | 145cm ~ 195cm                    |   |  |
|                | Camera Resolution                          |             | 480 x 640                        |   |  |
|                | Liveness Detection                         |             | O                                |   |  |
|                | Operating Illuminance                      |             | TBD                              |   |  |
|                | AI Algorithm                               |             | O                                |   |  |
|                | Enroll by taking a photo with a smartphone |             | O                                |   |  |
|                | Enroll by taking a photo with a device     |             | O                                |   |  |
| Iris           | Mask Detection                             |             | O                                |   |  |
|                | Recognition Distance                       |             | 45cm ± 5cm                       |   |  |
|                | Recognition Heigh                          |             | 145cm ~ 195cm                    |   |  |
|                | Templates                                  |             | UNION / ISO19794-6               |   |  |
|                | Image Size                                 |             | 640 x 480 (2592 x1200)           |   |  |
| Fingerprint    | Liveness Detection                         |             | Support                          |   |  |
|                | Templates                                  |             | UNION / ISO19794-2 / ANSI_378    |   |  |
|                | Extraction Matching                        |             | INEX Certification & Compatible  |   |  |
|                | Image Size                                 |             | 316 x 412                        |   |  |
|                | Resolution                                 |             | 500 dpi                          |   |  |
|                | Sensor Certifications                      |             | FBI PIV & FVI Mobile ID FAP20    |   |  |
| Card           | Live Finger Detection (LFD)                |             | Support                          |   |  |
|                | 13,56 MHz Mifare CLASSIC                   |             | All-in-One                       |   |  |
|                | Felica                                     |             | All-in-One                       |   |  |
|                | 125khz-EM                                  |             | All-in-One                       |   |  |
|                | HID Prox                                   |             | Optional                         |   |  |
|                | HID iclass                                 |             | Optional                         |   |  |
| Mobile Card    | ToC  |             | O                                |   |  |
|                | NFC  |             | O                                |   |  |
| Thermal Module | BLE  |             | O                                |   |  |
|                | Thermal Sensor                             |             | O                                |   |  |
| Hardware       | Distance Measurement                       |             | 45cm ± 5cm                       |   |  |
|                | Memory                                     | CPU         |                                  | 1G Quad   |  |
|                |  | Flash       | 16G                              |   |  |
|                |  | RAM         | 2G                               |   |  |
|                |  | Audio       | 1W                               |   |  |
|                | LCD  |             | 5"Color Touch                    |   |  |
|                | Resolution                                 |             | 480 x 800                        |   |  |
|                | Operating Temperature                      |             | -20°C ~ 60°C                     |   |  |
|                | Tamper                                     |             | O                                |   |  |
|                | Power                                      | Voltage     |                                  | DC 15V ~ 24V  |  |
|                |  | Current     |                                  | MAX 1,5A@15V  |  |
|                | Dimension (W) X (H) X (D) mm               |             | 160,6 x 214 x 45,4 mm            |   |  |
| Communication  | Certifications                             |             | CE, FCC, KC                      |   |  |
|                | TCP/IP                                     |             | O                                |   |  |
|                | USB  |             | USB 2.0 / 3,0                    |   |  |
|                | I/O  |             | 4 Port (Input)                   |   |  |
|                | RS232                                      |             | 1 Port                           |   |  |
|                | RS485                                      |             | 1 Port                           |   |  |
|                | Wiegand                                    |             | 1 Port (Input) / 1 Port (Output) |   |  |
|                | VoIP                                       |             | O                                |   |  |
| OSDP           |  | O           |                                  |   |  |