



**Liveness Detection**  
Anti-Spoofing attacks  
against photos, videos & 3D masks.



High Ambient light conditions  
Illuminance up to 25,000 Lux



Visible Light Technology  
with IR Technology



Patented Fake Fingerprint  
Detection



Face Recognition at a Distance  
up to 3M



High Speed Face and  
Fingerprint Matching



Easy Face Enrollment-Use Camera  
or Phone Picture

## UBIO-X PRO 2 / TS FACE & FINGERPRINT RECOGNITION TERMINAL

- Liveness Detection
- Anti-Spoofing Attacks Against Photos, Video & 3D Masks.
- High Ambient Light Conditions
- Visible Light Technology
- Patented Fake Fingerprint Detection
- Face Recognition at a Distance up to 3m
- High Speed Face and Fingerprint Matching
- Easy Face Enrollment - Use Camera or Phone Picture


UBio-X Pro 2 / TS is multi-biometric identification Time Attendance and Access control, integrated with high speed processor. It provide liveness detection, anti-spoofing attacks against photo, video and 3D masks. It also provide easy face enrollment using camera or phone picture.

Come with high ambient light conditions, it can achieve up to 25,000 lx of operating illuminance which in turn, brings all-round confidence regardless of lighting conditions. The device is able to detect face up to a 3M distance. and has a high speed face and fingerprint matching.

# UBIO-X PRO 2 / TS **FACE & FINGERPRINT** RECOGNITION TERMINAL

Description	Specifications
Operating System	Android 6.0
User Capacity	Up to 20,000 (1 Face / 1 User) Up to 500,000 (1 Finger / 1 User) Fingerprint 1: 200,000 Templates < 1sec Face 1: 20,000 Templates < 1 sec Event Logs : 10,000,000 Photo Logs : 20,000
Fingerprint Sensor Type	Optical Sensor
CPU	1.0 GHz Quad Core (Cortex-A9) + 900MHz Dual Core (Cortex-A7)
Memory	eMMC 16GByte + 8 GByte DDR3 2GB RAM (512MB x 4) +512MB
Display	5" Colour TFT LCD with Touch
RF / Smartcard Option	13.56 MHz Smart Card Reader 125KHz – EM, HID Prox / Class(Optional) RF Card Reader
Interface	RS-232 / RS-485 Wiegand IN / OUT WiFi (Optional) SD Card Socket
Operating Temperature	-20 ~ 60°C
Dimension	149.7 x 208 x 56.4mm (W x H x D)
Certification	KC, CE, FCC

## Optional : Fever Detection Module Specification

Model	Thermal-i (TS)
Classification	
Type	Fever Detection Sensor
Thermal Sensitivity	≤ 140mk, 1Hz
Frame Rate	12fps
Array Format	32 x 32
Temperature Accuracy	±0.3°C
Dimension (mm)	60 x 22 x 12mm
Temperature Distance	Adjustable, 0.3 ~ 2M
Control	USB
FOV (H x V)	33 x 33
Operating Temperature	-20°C ~ 60°C
Scene Rane Temperature	0°C ~ 120°C
Focal Length	5mm
Power Supply	DC 5V
Power Consumption	< 38 mA

