



UBio-XPRO-2



UBio X PRO2 with Thermopile is FACE Reader integrated with Thermal Module to measures users' body temperature. In case of high temperature the user will be denied for accessing and the logs will be recorded on the server.

It is a new addition in Virdi's FACE Reader series with Latest Walk-Through Face Algorithm to enhance user experience. It recognizes faces at a distance up to 3 meters, authenticates when user walk-through the gate. It is a Multimodal device with unique combination of Face + Live/Fake finger + Card + PIN + camera for face recognition. It has features like Liveness detection & Anti-Spoofing, AI enabled No Mask detection.

Key Features:

- Walk Through and Multi Face Authentication
- Mask Detection
- Face Recognition from distance upto 3 mtrs (If Body Temperature feature is not used)
- Enterprise Multi-Modal Device with 5" Touch Screen LCD: Face + Finger + Card + PWD
- Face Recognition technology with 2MP Dual camera
- High Ambient Light condition illumination 19th to 25,000 lux
- Real time PUSH technology
- Patented LIVE & FAKE Finger Detection Technology
- Various Authentication types of Face, Card, Password & Finger Combination – User wise & Device wise
- Multi-Location Sites on Single Platform with various connectivity outputs supported
- 20,000 Images logs available for Authorized / Unauthorized Users
- Attendance Software: Client - Server; Web-based & Cloud based available

Technical Specifications:

Sensor Specs for FP:

- Type: Optical
- Resolution (dpi): 500
- Fingerprint Capacity(1:1) 5,00,000 & (1:N) 1,00,000; Users Capacity: 5,00,000
- 1:1 Verification: < 1 sec
- 1:20,000 Face < 1 sec
- 1:1,00,000 FP < 1 sec
- Identification Time: < 1 sec
- Template Size: 400 bytes
- Equal Error Rate: < 0.01%
- FAR: 0.0001%
- FRR: 0.1%
- Image Size (pixels): => 400 * 400
- Sensing area (mm): 15.5mm X 19mm
- Certifications: Viridi Format, ISO, ANSI-378

Sensor Specs for Face

- Face Capacity(1:N): 20,000 & 20,000 (1:1)
- Camera: 2M Pixel Color Camera + 2M Pixel IR Camera
- Face Recognition Distance: 0.5M up to 3M
- Face Matching Speed: <1 sec.
- Mask/No Mask Detection
- FAR/FRR/: 0.0001% / 0.1%
- Face recognition lux: 419 Lux ~ 25,000 lux

Thermopile sensor Detector: Optional

- **Detector Type: Thermopile Module**
- Array Format: 32 x 32 (Optional 32 x 24)
- Accuracy: + -0.3 degC ~ + - 0.5 degC
- FOV(H x F): 33 x 33 (Optional 55 x 35)

Thermopile Sensor: Engine Optional

- Power supply: DC 5V
- Power consumption: < 38mA (Optional: 25mA)
- Control: USB
- Dimension (W x H x D) mm: 60 x 22 x 12 (Optional: 68 x 19 x 12.85)
- Operating Temperature: 0 degC ~ 50 degC (Optional: -40 degC ~ 85 degC)
- Scene Range temperature: 0 degC ~ 120 degC (Optional: -40 degC ~ 300 degC)



System Features:

- Memory: 2GB RAM + 16GB Flash
- Event buffers: 1,00,00,000 (10 million)
- Cards / Readers Compatible: Default Mifare / EM; Desfire; HID iClass & Prox (Optional)(Available in different models)
- Card read range: 8 to 10 cm.
- Authentication type combinations: Face, FP, PW, Face & Finger, Face or finger, FP & PW, card, Card | FP, Card & FP, Card or PW, Card & PW, Card & FP & PW etc.
- Facility Code: Available
- Ubio-Xpro2 Face Templates are not compatible with AC7000, Ubio-XPro & UBIO- XProLite
- Ethernet: 100 bps (Default) /10 mbps
- Mobile image registration through software for Face recognition: Available

Access Control Features:

- Create up to 9999 Time Zones with up to 12 transaction bands per day
- Inputs: 3 monitoring input & 1 Exit (Configurable)
- Outputs: 2 o/p
- Expiry Date; Blacklisting; Deny List; Duress User available
- Dual / Multi-Finger Authentication available
- Global Anti-pass back: Available
- Fire, Emergency, Panic etc. integration is available
- External Lamp/Siren connectivity available
- Templates Mgmt from Software: Available

Security Features:

- Email sending facility through application in case of critical events like matching fail, tamper, door forced/not closed, blacklisted user attempt etc.
- Integrated with real time alarm display on server
- Configurable card or fingerprint verification for logging in to the device for extra security
- Can open all doors from network in case of fire or emergency
- 0-9 security levels to adjust FRR and FAR as per the

environment and customer needs

- Device security enhanced by adding user as admin in device
- Anti Spoofing- Available
- Face technology – fake face free technology

Hardware Features:

- Dual Camera with IR cut off
- Buzzer: Multi tone Buzzer o/p
- LCD Display: 5" TFT Colour Touch screen with Android platform
- Touch Keypad: 0-9 key numeric, Four Function keys and Enter key
- Output: TCP/IP. Wi-Fi (Optional)
- In built dual smart card reader
- Exit Reader: Available

Dimensions:

- Dimensions: 149.7mm (L) X 208mm (H) X 56.4mm (D)

Communications:

- TCP/IP; Wi-Fi (Optional), USB (SD Card), RS485, RS232, Wiegand OUT

Power Specs:

Current & Voltage Req: ETL Certified 15V 4A

Material:

- ABS Plastic with Glass on Front

Mounting:

- Wall Mounting

Outside (IP) Enclosure:

- Available on request as per specs
- Call for Information

Certifications:

- CE/ FCC/BIS

Operating Temperature:

- -20 to 60C
- Humidity < 90%

Warranty:

- Product: 1 year for any manufacturing defects / workmanship
- Sensor: 10 Year for any Manufacturing defects (Failure of sensor due to ESD /physical damage will not be covered under warranty)

Accessories: (Optional)

- Standard or Battery Back-up Power Supply
- Time Attendance Software
- Card: EM; Mifare® (1K,4K); HID I Class; HID Prox(Optional)
- Strike Lock / Electromagnetic Lock, Auto door
- Egress Switch
- 12V/7 AH Battery

Applications:

- Time Attendance System
- Physical Access Control

Areas:

- Call Centers / BPO
- Banking & Finance
- Hotels and Residential
- Corporate & IT/ITES
- Retail, Malls & Multiplexes
- Hospitals & Clinics
- Clubs & Gymnasium
- Schools & Colleges
- Transport & Logistics
- Telecommunications
- R&D Centers and Labs
- Manufacturing Units & Factories
- Government, PSU & Defense

Ordering Information:

Model No	Description
UBio-X PRO 2	5" Touch Screen + Android based Multi modal Face Recognition (Face+Finger+Card+PIN) + inbuilt controller with EM Proximity & Mifare Smart Card Reader
UBio-X PRO 2 HP	5" Touch Screen + Android based Multi modal Face Recognition (Face+Finger+Card+PIN) + inbuilt controller with HID EM Proximity Card Reader
UBio-X PRO 2 HI	5" Touch Screen + Android based Multi modal Face Recognition (Face+Finger+Card+PIN) + inbuilt controller with HID iClass Card Reader

Exclusive India Partner



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