

## AC-7000 Datasheet

### AC-7000

High performance Face & Fingerprint Recognition Terminal



**AC7000** is the latest Access Control Technology introduction in Virdi wide products range portfolio. It has unique combination of **Face + Live/Fake** finger + Card + PIN with *auto* tilt camera which automatically detects a face within 3m. Its 5" touch LCD and User Interface like **Android smartphone apps** greatly enhance user convenience.

### Key Features of the Product:-

- Enterprise Multi-Modal Device with 5" Touch Screen LCD: Face + Finger + Card + PWD
- Face Recognition technology with Auto Tilt Camera Feature.
- Real time PUSH technology
- Patented LIVE & FAKE Finger Detection Technology
- Award winning Fingerprint algorithm in year 2011
- Various Authentication types of Face, Card, Pwd & 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.

Face detection in the dark

**IR LED Camera offers user convenience as it detects face even in the dark without any trouble**



## **Specifications of AC7000 :-**

### **Sensor Specs:**

- ⇒ Type: Optical
- ⇒ Resolution (dpi): 500
- ⇒ 1:1 Verification: < 1 sec
- ⇒ 1:1000 users < 1 sec
- ⇒ Identification Time: < 1 sec
- ⇒ Template Size: 400 bytes
- ⇒ Equal Error Rate: < 0.1%
- ⇒ FAR: 0.0001%
- ⇒ FRR: 0.1%
- ⇒ Image Size (pixels): => **304 \*344**
- ⇒ Sensing area (mm): 20.3mm X 20.3mm

### **System Features:**

- ⇒ Memory: 4 GB (internal) and 8 GB Flash
- ⇒ Event buffers: 10,00,000 (1 million)
- ⇒ Face capacity: 10000; Users Capacity: 2,50,000; Number of template: 2,50,000,
- ⇒ Image logs: 20,000
- ⇒ Cards / Readers Compatible: Default Mifare / EM Reader; HID iClass & Prox (Optional)
- ⇒ Card read range: Upto 10 cm.
- ⇒ Authentication type combinations: Face, FP, PW, Face & Finger , Face or finger , FP|PW, FP & PW, card, Card | FP, Card & FP, Card or PW, Card & PW, (ID | Card) & FP, (ID or Card) & PW, Card & FP & PW etc.
- ⇒ Facility Code: Available
- ⇒ Device OS: Android
- ⇒ Sensor Mode: 1:1 / 1:N (configurable)
- ⇒ Templates Mgmt from Software: Available
- ⇒ Template on Smart card: Yes (on Mifare)
- ⇒ Ethernet : 100bps (Default) /10mbps
- ⇒ Admin Users: 16
- ⇒ Custom logo can be uploaded in device



### Access Control Features:

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

Auto height  
angle adjustment

**A tilt camera offers  
auto face detection.  
No need to lower posture  
or bend the knees**

### 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.
- ⇒ IP Camera can be integrated and activated on selected events like Door Force Open; Unauthorized users, holiday access etc(through software)
- ⇒ Device security enhanced by adding user as admin in device.
- ⇒ Face technology – fake face free technology

### Hardware Features:

- ⇒ Auto Tilt Camera for Height Adjustment
- ⇒ 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

<b>Dimensions:</b>	149.5mm (L) X 208.5mm (H) X 46mm (D)
<b>Communication:</b>	TCP/IP; Wi-Fi (Optional)
<b>Power Specs:</b>	<i>Current &amp; Voltage Req:</i> <b>UL Listed</b> 12V DC – 2 Amp. (UL listed 12V/2.5A)
<b>Material:</b>	ABS Plastic with Glass on Front.
<b>Mounting:</b>	Wall Mounting
<b>Outside (IP) Enclosure:</b>	Available on request as per specs. Call for Information.
<b>Certifications:</b>	FCC / CE / RoHS
<b>Operating Temperature:</b>	20 deg C to 60 deg C <90% Humidity
<b>Warranty:</b>	Product: 1 yr for any manufacturing defects / workmanship. Sensor: 1 Year for any Manufacturing defects (Failure of sensor due to ESD / Physical damage will not be covered under warranty)
<b>Accessories (Optional):</b>	Standard or Battery Back-up Power Supply Time Attendance Software Card: EM; Mifare® (1K,4K); HID I Class; HID Prox. Strike Lock / Electromagnetic Lock Egress Switch 12V/7 AH Battery
<b>Applications:</b>	Time Attendance System Physical Access Control

<b>Benefits:</b>	<b>Areas:</b>
<ul style="list-style-type: none"> <li>• Industry leading fingerprint identification speed</li> <li>• User-friendly operating modes</li> <li>• Highest Security Level</li> <li>• Secure Smart cards Key Management Feature</li> <li>• More Secured Admin Login with finger or card identity</li> <li>• Critical (selected) Events' email facility from selected email ids.</li> <li>• Can read Expiry date and Name from the card</li> <li>• Reads card no or templates from card.</li> </ul>	<ul style="list-style-type: none"> <li>• Call Centers / BPO</li> <li>• Banking &amp; Finance</li> <li>• Hotels and Residential</li> <li>• Corporate &amp; IT/ITES</li> <li>• Retail, Malls &amp; Multiplexes</li> <li>• Hospitals &amp; Clinics</li> <li>• Clubs &amp; Gymnasium</li> <li>• Schools &amp; Colleges</li> <li>• Transport &amp; Logistics</li> <li>• Telecommunications</li> <li>• R&amp;D Centres and Labs</li> <li>• Manufacturing Units &amp; Factories,</li> <li>• Government; PSU &amp; Defense</li> </ul>