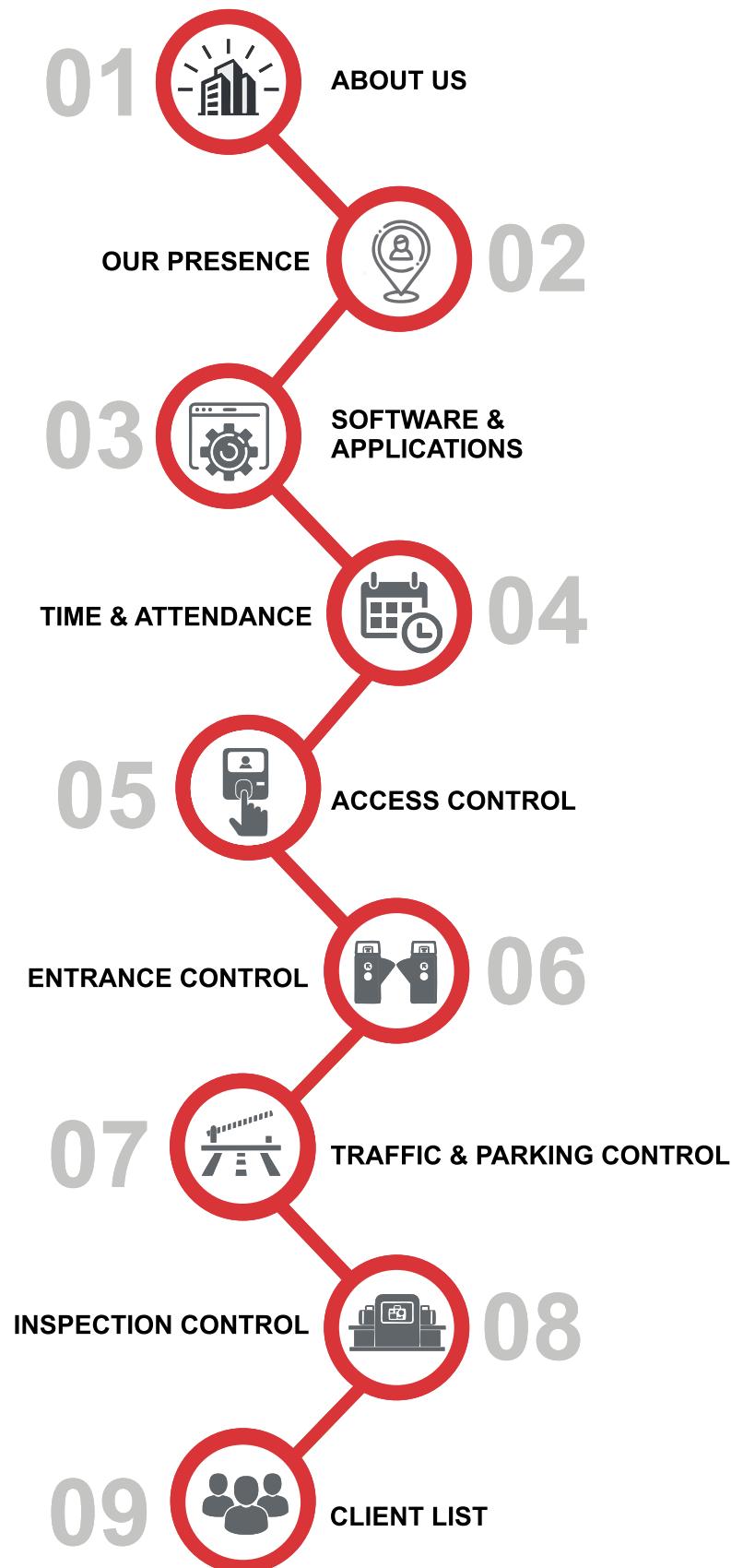


# PRODUCT CATALOGUE

---

Identify-Innovate-Build-Supply-Support

H  
Z  
W  
H  
Z  
O  
C



# About Us

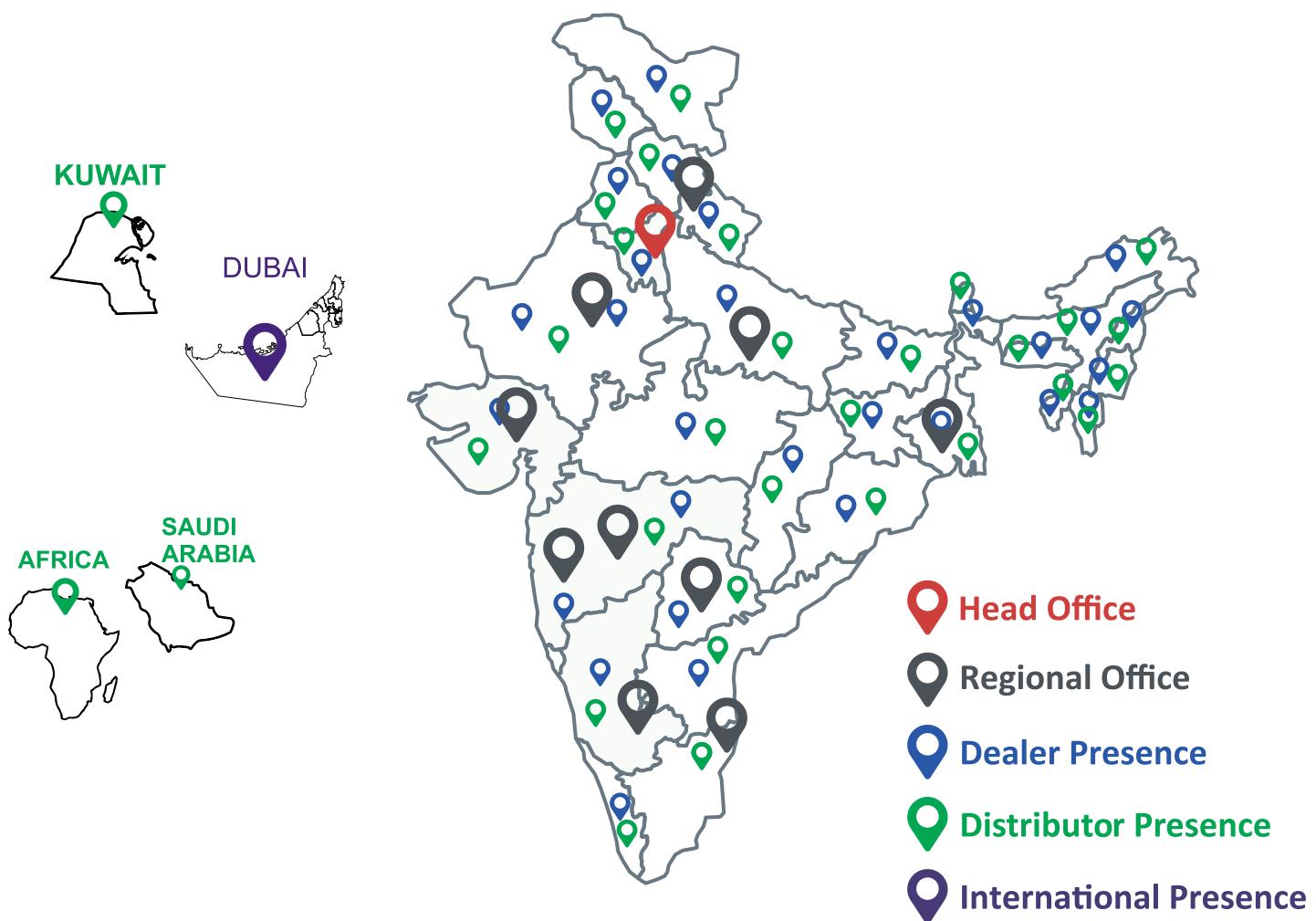
We, at TimeWatch aim to innovate, manufacture and automate products in Time & Attendance, Access Control, Entrance Control, Traffic & Parking Control, Inspection Control and in-house designed Software and Application Solutions in order to provide anything & everything related to security under one roof.

We are technology enthusiastic people with an in-house R&D and designing team working on advanced technologies like artificial Intelligence, Machine Learning to provide the most advanced security products to our customers. We also have a complete umbrella of software & mobile applications like Time & Attendance (Web & Desktop based), Payroll Management, Visitor Management, Parking Management, Canteen Management, Gym Management and customization up to any level you can imagine.

**Our mission is to Identify-Innovate-Build-Supply-Support.**

## Certificates & Test Reports

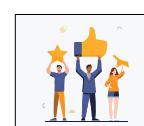




**10000 +** Customers



**160 +** Team Members



**97 %** Positive Reviews

## AT TIMEWATCH, WE ARE

**TECHNOLOGY DRIVEN**

**PROCESS DRIVEN**

**SYSTEM DRIVEN**

## IN-HOUSE TEAM

R & D  
Team

Development  
Team

Implementation  
Team

Helpdesk  
Team

Support  
Team



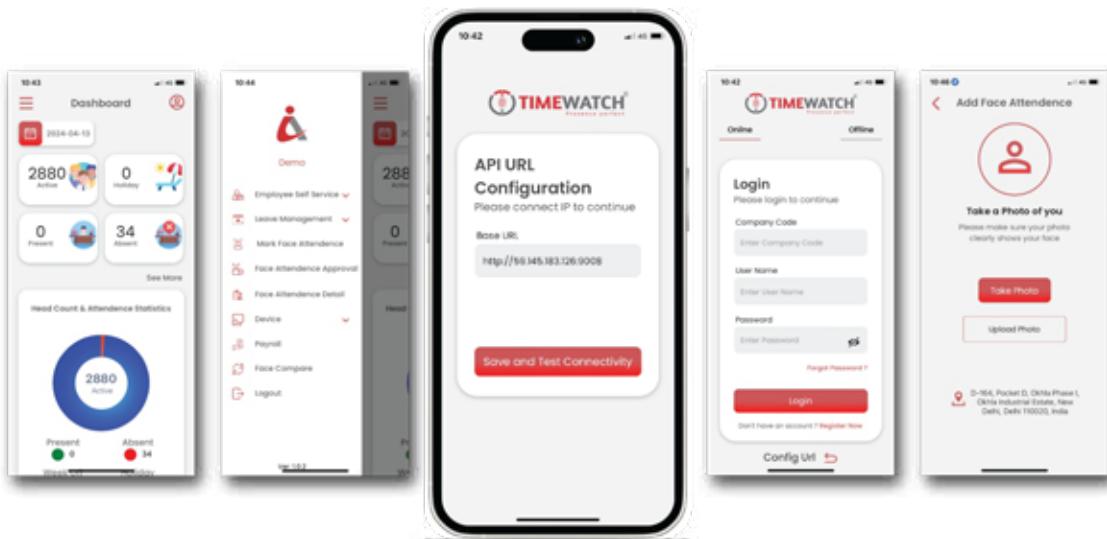
# SOFTWARE AND APPLICATION

## Key Features:

- Employee Attendance Marking With Photo & Location.
- Online leave and out duty request.
- Location Tracking, Geo Fencing.
- Multiple leave approval stages.
- Daily head count on Dashboard.
- Leave record view & Holiday list.
- Notification Window.
- Email alerts for leave Application & leave Approval.
- Different MIS Reports useful in audit & Employee's performance.
- Mobile Enrollment.



# MOBILE APP For Android & iOS





# iAS eVe

Time & Attendance Software



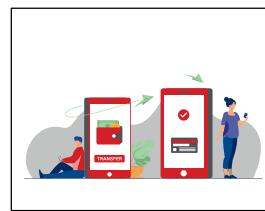
Attendance Management



Leave Management



Payroll Management



Salary Slip/Register



PF & ESI Calculation



HR Functions



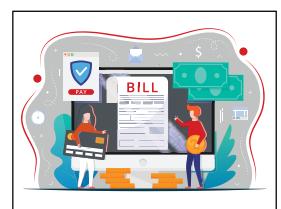
Employee Self Service



Income Tax Management



Full & Final Settlement



Reimbursement

Web-based Time Attendance and online leave management system offers you a high return on investment by tracking the exact time worked by employees - both in and out of the office - while giving both workers and upper management the flexibility and options to check the system from any Internet-enabled PC, Internet-enabled cell phones, PDA or PC at home. It has a Web-based Admin Module that allows master data creation through the browser for employees, Built-in reporting modules, 3rd party Integration compatible with different access controllers, and time attendance products.

# iAS

## Desktop Based

Time & Attendance Software



Attendance Management



Leave Management



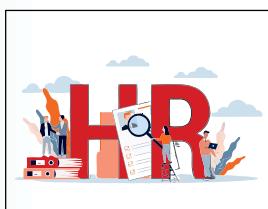
Payroll Management



Salary Inputs



PF & ESI Calculation & Reports



HR Functions



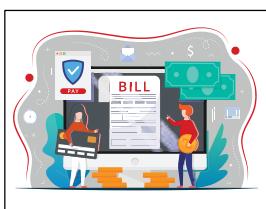
Flexibility Structure or  
Earnings & Deductions



Income Tax Management



Full & Final Settlement



Reimbursement Management

Time and Attendance software solution deliver the functionality and flexibility to support the demands and complex time management requirement of your organization. It is software that can eliminate unnecessary efforts and help you to simplify all your attendance activities. The interactive reports help you analyse the data like daily reports, holidays, and absence Planning & Monitoring. This software is all you need to manage the time & Attendance system of your organization.



# Visitor Management System



Smooth & Convenient Check-in



More Safe & Secure Premises



Manage Pre-Visit Communications



Easier Tracing With Digital Database



Analyze Office Visitor Trends



Integrate Tools-Software  
Employees-Happiness



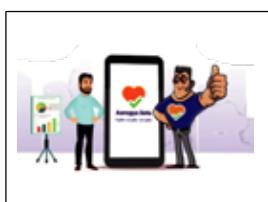
Expand The Possibilities  
Of Your workplace



Empower Lobby Managers  
to Focus on Other Tasks



Integrated Thermal &  
Face-Mask Scanning



Covid Declaration & Arogya  
Setu App Integration

You can efficiently manage your visitor with our Visitor Management software it is user-friendly and very convenient to use. Employee can mail the appointment web link to their visitors in advance, employee and visitors can create appointments online, pre-printed passes at the reception by pre-registering appointment, multiple notification channels for both you and your visitor and many other useful features makes it the software you need to manage your visitors hassle-free.



## Parking Management System



ANPR Camera based parking system which recognition only the authorized vehicles to enter into the premises



Automatic boom barrier integrated with RFID Card reader and ANPR camera only allow the permitted vehicles



RFID based parking management system is ideal for restricted areas where only authorized vehicles are allowed to access

Parking Management software helps manage the unauthorized parking of the vehicles with the help of ANPR camera and RFID card reader. The boom barrier installed at the entry gate of the parking lot gets the signal from RFID reader or ANPR camera for the authorized car and the boom barrier lifts the arm for authorized parking. This software is best suitable for gated or authorized parking systems.



# Payroll Management System



Quick Salary Processing



Pay Employees On Time-Every Time



Solve Payroll Queries



Error-free Guaranteed



Get Payout Insights



Interactive Dashboard & Reports



Statutory Compliance



Employee Self-Service



HR Core



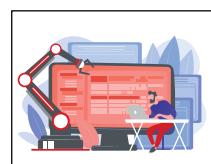
Payroll Processing



Attendance



Tax & Compliance



Automate Processes



Reports

TimeWatch's Payroll Management software is a very simple, flexible and user-friendly Payroll Management software that takes care of all your requirements relating to accounting and management of employee's Payroll. The Payroll generated Pay-slips and salary register, Computers all allowances and deductions, and generates all statutory and MIS reports. It offers very flexibility in defining various allowances, deductions, leave rules, etc. For the employee and all formula for PF, PF TRUST, FPF, ESIC, Professional Tax, Income Tax, are definable and changeable at the User's end.

# GYM

## Management System

- ✓ User Friendly software to manage large no. of Members
- ✓ Detailed report generation along with payment schedule & due Dates
- ✓ Weekly & Monthly reports with useful insights
- ✓ Automatic mail alert for members regarding payment
- ✓ Track member workout Timing - in & out
- ✓ Comprehensive software - From member Registration to settlements
- ✓ Validity set option along with reports on collections
- ✓ Other functions include billing, Scheduling, Training & Tracking



Membership Management



Daily Safe Backup



Unlimited Clients



Manage Staff & Clients



Bulk SMS



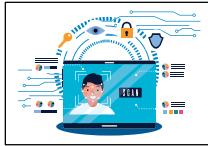
Due Date Fees Alert



Biometric Attendance



## Canteen Management System



Credential Support



Customizable Menu



Menu Schedule



Integration with Printer



Export data to payroll  
and billing software



Transaction Reports



Informative Reports



Blocked Users



# TIME & ATTENDANCE SOLUTIONS



## Fingerprint Attendance Device

### Bio-1

#### TECHNICAL SPECIFICATION



Identification Mode	:	Fingerprint, Card, Password
Fingerprint Capacity	:	5,000
Card Capacity	:	5,000 - MIFARE/Proximity Card
Password Capacity	:	5,000
Log Capacity	:	1,00,000
Communication Interface	:	TCP/IP, USB, Wi-Fi, Hotspot
Display Screen Size	:	2.4" TFT
Battery	:	Yes
Verification Time	:	<0.5 sec
Access Control	:	Push Button
Power Supply	:	12 VDC, 1 A
Product Dimension	:	181.6mm × 135.6mm × 32.7mm



Fingerprint



Password



Card



Wi-Fi



Built-in Battery



TCP/IP



Cloud



USB



Hotspot

## Fingerprint Attendance Device

### Bio-27

#### TECHNICAL SPECIFICATION

Identification Mode	:	Fingerprint, Card, Password
Fingerprint Capacity	:	5,000
Card Capacity	:	5,000 - MIFARE/Proximity Card
Password Capacity	:	5,000
Log Capacity	:	1,00,000
Communication Interface	:	TCP/IP, USB
Display Screen Size	:	2.4" TFT
Battery	:	Yes
Verification Time	:	<0.5 sec
Access Control	:	Push Button
Power Supply	:	12 VDC, 1 A
Product Dimension	:	181.6mm × 135.6mm × 32.7mm



Fingerprint



Password



Card



Built-in Battery



TCP/IP



Cloud



USB

## Face Recognition Device

### Bio-1SE

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Palm, Fingerprint, Card & Password
Face Capacity	:	1,000
Fingerprint Capacity	:	3,000
Palm Capacity	:	1,000
Card Capacity	:	1,000
Password Capacity	:	1,000
Log Capacity	:	1,60,000
Communication	:	USB, LAN, Wi-Fi & Weigand RS485
Display	:	2.8 inch
Working Temperature	:	0°C ~ +45°C
Working Humidity	:	0% ~ 80%
Identification Time	:	<0.6s
Product Dimension	:	180mm×132mm×33mm



Face



Palm



Fingerprint



Card



Password



Wi-Fi



Cloud



Battery



Access Control

### TrueFace Series Device

## TrueFace2000

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Password
Face Capacity	:	5,000
Password Capacity	:	5,000
Log Capacity	:	3,00,000
Communication Interface	:	TCP/IP, USB, Wi-Fi, 4G (Optional)
Screen Size	:	4.3"
Camera	:	2-MP CMOS HD Dual-lens camera
Verification Time	:	<0.2 sec
Operating System	:	Linux
Working Voltage	:	12V/2A
Product Dimension	:	115mm × 118mm × 27.1mm



Face



Password



Multi Face



Mask Detection



Live Detection



Wi-Fi



Touch



Cloud



WDR

## TrueFace Series Devices



### TrueFace3000

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Card, Password and QR
Face Capacity	:	5,000
Card Capacity	:	5,000 (MIFARE)
Password Capacity	:	5,000
QR Capacity	:	5,000
Log Capacity	:	3,00,000
Communication Interface	:	TCP/IP, USB, Wi-Fi, 4G (Optional)
Screen Size	:	4.3"
Camera	:	2-MP CMOS HD Dual-lens camera
Verification Time	:	<0.2 sec
Operating System	:	Linux
Access Control	:	Yes
Working Voltage	:	12V/2A
Product Dimension	:	115mm × 118mm × 27.1mm



## TrueFace Series Devices

### TrueFace3000FP

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Fingerprint, Card, Password and QR
Face Capacity	:	5,000
Fingerprint Capacity	:	5,000
Card Capacity	:	5,000 (MIFARE)
Password Capacity	:	5,000
QR Capacity	:	5,000
Log Capacity	:	3,00,000
Communication Interface	:	TCP/IP, USB, Wi-Fi, 4G (Optional)
Access Control	:	Yes
Screen Size	:	4.3"
Camera	:	2-MP CMOS HD Dual-lens camera
Verification Time	:	<0.2 sec
Operating System	:	Linux
Working Voltage	:	12V/2A
Product Dimension	:	115mm × 118mm × 27.1mm



## TrueFace Series Devices & PoE



### TrueFace6000

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Card, Password and QR
Face Capacity	:	10,000
Card Capacity	:	10,000 - MIFARE
Password Capacity	:	10,000
QR Capacity	:	10,000
Log Capacity	:	3,00,000
PoE Support	:	Yes
Communication Interface	:	TCP/IP, USB, Wi-Fi, 4G (Optional)
Operating System	:	Linux
Access Control	:	Yes
Screen Size	:	4.3"
Camera	:	2-MP CMOS HD Dual-lens camera
Verification Time	:	<0.2 sec
Working Voltage	:	12V/2A
Product Dimension	:	180.1mm × 90.1mm × 27.0mm



PoE Support



Face



Password



Card



QR



Multi Face



Live Detection



Wi-Fi



Touch



Cloud



WDR



IP 65 Rating

## TrueFace Series Devices & PoE

### TrueFace6000FP

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Fingerprint, Card, Password and QR
Face Capacity	:	10,000
Fingerprint Capacity	:	10,000
Card Capacity	:	10,000 - MIFARE
Password Capacity	:	10,000
QR Capacity	:	10,000
Log Capacity	:	3,00,000
PoE Support	:	Yes
Communication Interface	:	TCP/IP, USB, Wi-Fi, 4G (Optional)
Operating System	:	Linux
Access Control	:	Yes
Screen Size	:	4.3"
Camera	:	2-MP CMOS HD Dual-lens camera
Verification Time	:	<0.2 sec
Working Voltage	:	12V/2A
Product Dimension	:	180.1mm × 90.1mm × 27.0mm



PoE Support



Face



Fingerprint



Password



Card



QR



Multi Face



Live Detection



Wi-Fi



Touch



Cloud

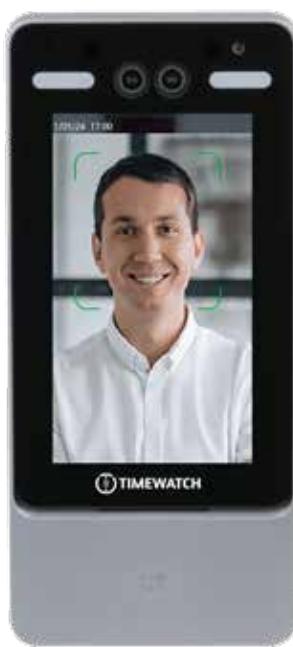


WDR



IP 65 Rating

## TrueFace Series Devices



### TrueFace50

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Card, Password and QR
Face Capacity	:	50,000
Card Capacity	:	50,000 (MIFARE)
Password Capacity	:	50,000
QR Capacity	:	50,000
Log Capacity	:	3,00,000
Communication Interface	:	TCP/IP, USB (Wi-Fi, 4G Optional)
Operating System	:	Linux
Access Control	:	Yes
Screen Size	:	7"
Camera	:	2-MP CMOS HD Dual-lens camera
Verification Time	:	<0.2 sec
Working Voltage	:	12V/2A
Product Dimension	:	283.1mm × 130.1mm × 36.0mm



Face



Password



Card



QR



Multi Face



Live Detection



Touch



Cloud



WDR



Wi-Fi (Optional)



IP 65 Rating

## TrueFace Series Devices

### TrueFace50FP

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Fingerprint, Card, Password and QR
Face Capacity	:	50,000
Fingerprint Capacity	:	10,000
Card Capacity	:	50,000 (MIFARE)
Password Capacity	:	50,000
QR Capacity	:	50,000
Log Capacity	:	3,00,000
Communication Interface	:	TCP/IP, USB, Wi-Fi, 4G (Optional)
Operating System	:	Linux
Access Control	:	Yes
Screen Size	:	7" IPS
Camera	:	2-MP CMOS HD Dual-lens camera
Verification Time	:	<0.2 sec
Working Voltage	:	12V/2A
Product Dimension	:	218mm × 118mm × 24.2mm



Face



Fingerprint



Password



Card



QR



Multi Face



Live Detection



Touch



Cloud



WDR



IP 65 Rating

## TrueFace Series Devices

### TrueFace1L

#### TECHNICAL SPECIFICATION



Identification Mode	:	Face, Card, Password & QR
Face Capacity	:	1,00,000
Card Capacity	:	1,00,000
Password Capacity	:	1,00,000
QR Capacity	:	1,00,000
Log Capacity	:	3,00,000
Communication Interface	:	TCP/IP, USB (Wi-Fi-GPRS Optional)
Screen Size	:	7"
Access control	:	Yes
Working Temperature	:	0 - 55°C
Working Humidity	:	20% - 80%
Working Voltage	:	12V/2A
Product Dimension	:	250.6mm × 129mm × 30.5mm



Face



Password



Card



QR



Multi Face



Live Detection



Touch



Cloud



WDR



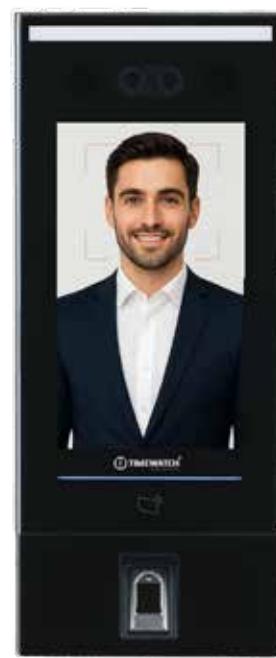
IP 65 Rating

## TrueFace Series Devices

### TrueFace1LFP

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Fingerprint, Card, Password & QR
Face Capacity	:	1,00,000
Fingerprint Capacity	:	10,000
Card Capacity	:	1,00,000
Password Capacity	:	1,00,000
QR Capacity	:	1,00,000
Log Capacity	:	3,00,000
Communication Interface	:	TCP/IP, USB (Wi-Fi-GPRS Optional)
Screen Size	:	7"
Access control	:	Yes
Working Temperature	:	0 - 55°C
Working Humidity	:	20% - 80%
Working Voltage	:	12V/2A
Product Dimension	:	310.3mm × 129mm × 30.5mm



Face



Fingerprint



Password



Card



QR



Multi Face



Live Detection



Touch



Cloud



WDR



IP 65 Rating

## Industrial Face Recognition



### TrueFaceT50-IND

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Card, Password and QR
Face Capacity	:	50,000
Card Capacity	:	50,000 (MIFARE)
Password Capacity	:	50,000
QR Capacity	:	50,000
Log Capacity	:	3,00,000
Communication Interface	:	TCP/IP, USB, Wi-Fi, 4G (Optional)
Operating System	:	Linux
Access Control	:	Yes
Screen Size	:	7"
Camera	:	2-MP CMOS HD Dual-lens camera
Verification Time	:	<0.2 sec
Working Voltage	:	12V/2A



Face



Password



Card



QR



Multi Face



Live Detection



Touch



Cloud



WDR



IP 65 Rating

### IRIS Recognition Device

## TW-IriGoPlus

#### TECHNICAL SPECIFICATION

Identification Mode	:	IRIS Recognition
Auto-Tilt Camera	:	-20° ~ +25°
IRIS Capacity	:	1,00,000
Log Capacity	:	3,00,000
Image Log	:	10,000
Communication Interface	:	LAN, Wiegand, USB, RS-485, RS-232
Weight	:	630g
CPU	:	Quad Core
Operating Temperature	:	-20°C - 50°C
Operating Humidity	:	10% ~ 90%
Dimension	:	166 x 166 x 43mm
Capture Range	:	30 ~ 45 (cm)



Selfie Type User Interface



State-of-the-art Optical Design



0.5 sec Matching Speed

Auto-Tilting  
(-20° ~ +25°)3D Type Eye Localization  
(High Res. Iris Image)

Anti-Passback



Fake Detection



RFID &amp; Password Support

## AI Face With Fingerprint Device (AI-Series)



### AIFace-T5

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Finger, Password, Card (MIFARE Optional)
Face Capacity	:	6,000
Fingerprint Capacity	:	12,000
Card Capacity	:	6,000
Password Capacity	:	6,000
Log Capacity	:	5,00,000
Communication Interface	:	TCP/IP, USB Type-A, WiFi
Operating System	:	Linux 4.19
Screen Size	:	4" HD Touch Screen
Verification Time	:	<0.2 sec
Face Recognition Distance	:	0.5m - 2.5m
Power Supply	:	DC12V 1A



Battery Backup



Face



Fingerprint



Password



Card



Mask Detection



Live Detection



Touch



Cloud



Wi-Fi

## AI Face With Fingerprint Device (AI-Series)

### AIFace-T7

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Fingerprint, Card, Password
Face Capacity	:	5,000 to 50,000
Fingerprint Capacity	:	10,000 (50,000 Optional)
Card Capacity	:	5,000 to 1,00,000 (Proximity, MIFARE Optional)
Password Capacity	:	5,000 to 50,000
Log Capacity	:	5,00,000
Communication Interface	:	TCP/IP, 4G, Wi-Fi
Operating System	:	Linux
Screen Size	:	5" (720 x 1280 HD), IPS touch screen
Verification Time	:	<0.2 sec
Face Recognition Distance	:	0.5m - 2.5m
Access Control	:	Lock, push Button, Wiegand Reader
Working Voltage	:	12V/2A



Face



Fingerprint



Password



Card



Mask Detection



Live Detection



Wi-Fi



Touch



Cloud



WDR

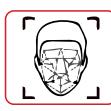
## Hand Held Face Recognition Device



### AI-Face4G-HH

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Fingerprint, Card, Password
Face Capacity	:	5,000
Fingerprint Capacity	:	10,000
Card Capacity	:	5,000 - Proximity (MIFARE Optional)
Password Capacity	:	5,000
Log Capacity	:	5,00,000
Communication Interface	:	TCP/IP, 4G, Wi-Fi, GPS
Operating System	:	Linux
Screen Size	:	5" (720 x 1280 HD) , IPS touch screen
Battery	:	Yes
Verification Time	:	<0.2 sec
Face Recognition Distance	:	0.5m - 2.5m
Working Voltage	:	12V/2A
Product Dimension	:	188mm × 80mm × 20mm



Face



Fingerprint



Password



Card



Mask Detection



Live Detection



Touch



Cloud



WDR



# ACCESS CONTROL SOLUTIONS

## Stand-Alone Access Control Device

### ACR1 / TW-CR12AC

#### TECHNICAL SPECIFICATION



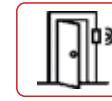
Verification method	:	Card & Password
Card supported	:	Proximity Card
Card Capacity	:	1,000
Password Capacity	:	1,000
Read speed	:	≤0.2s
Reading distance	:	0~8cm
Light	:	Red/Green
Operating temperature	:	-10°C ~ +50°C
Operating humidity	:	10%~90%
Operating voltage	:	DC12V
Operating current	:	≤0.1A
Size	:	117mm×75mm×20mm (ACR1) 120mm×78.3mm×22.6mm (TW-CR12AC)



Card



Password



Access Control

#### Stand-Alone Touch Access Control Device

### TW-CR13AC

#### TECHNICAL SPECIFICATION

Verification method	:	Card & Password
Card supported	:	Proximity card
Card Capacity	:	1600
Password Capacity	:	1600
Read speed	:	<0.1 sec
Reading distance	:	1~5cm
Operating temperature	:	-25°C~60°C
Operating voltage	:	DC 9~12V
Operating current	:	≤100mA
Size	:	115mm × 75mm × 18mm



Card



Password



Access Control

## Stand-Alone Fingerprint Access Control Device



### Bio-20

#### TECHNICAL SPECIFICATION

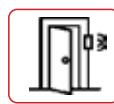
Identification Mode	:	Fingerprint, Password
Fingerprint Capacity	:	3,000
Password Capacity	:	3,000
Log Capacity	:	2,00,000
Communication	:	USB
Display	:	1.77"
Working Temperature	:	0°C ~ +45°C
Working Humidity	:	0% ~ 80%
Working Voltage	:	DC 5V±5%
Identification Time	:	<0.5 sec
Dimension	:	86mm×86mm×31.1mm



Fingerprint



Password



Access Control



Excel Data Export

## Card and Fingerprint Access control Device

### ULtraACR801T/802F

#### TECHNICAL SPECIFICATION

Identification Mode	:	Fingerprint, Card, Password
Fingerprint Capacity	:	5,000
Card Capacity	:	5,000 (Proximity) / MIFARE (Optional)
Password Capacity	:	5,000
Log Capacity	:	1,00,000
Communication Interface	:	TCP/IP, USB disk, WG26/34, RS-485, RS-232
Access Control	:	Built In
Input	:	Touch keyboard, T9 input
Fire Alarm	:	Yes
Product Dimension	:	140mm × 42mm × 18mm



Fingerprint



Card



Password



Wi-Fi



2.4" TFT Screen



USB



Push Data



High Speed Processor



Cloud

## Fingerprint Access control Device

### Bio-4/Bio-4PW

#### TECHNICAL SPECIFICATION

Identification Mode	:	Fingerprint, Card, Password
Fingerprint Capacity	:	10,000
Card Capacity	:	10,000
Password Capacity	:	10,000
Log Capacity	:	1,00,000
Communication Interface	:	TCP/IP
Access Control	:	Built-In
LCD Display	:	2.4" TFT Color Screen 320 x 240 Pixel
Power Supply	:	12VDC
Product Dimension	:	205mm × 86mm × 30mm



Fingerprint



Card



Password



2.4" LCD Display



Wi-Fi (Bio-4PW)

#### Access Reader

### TFP-12E / TFP-12D

#### TECHNICAL SPECIFICATION

Identification Mode	:	Fingerprint & Card
Card Type	:	(TFP-12E)Proximity card (TFP-12D)MIFARE card
Fingerprint Capacity	:	3,000
Response Time	:	0.1 s
Fingerprint Recognition Time	:	1.5 s
RS-485	:	1 channel
Tamper Alarm	:	Yes
Power Supply	:	12V 0.5A DC
Protection	:	IP65 (silicon sealant is needed, see the manual)
Power Consumption	:	Standby <1.0W, working = 1.7W
Product Dimension	:	70.0mm × 70.0mm × 28.0mm



Fingerprint



Card



Tamper Alarm



IP 65

## Face & Palm Access Control Device



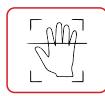
### ATF-305SE

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Palm, Fingerprint, Card & Password
Face Capacity	:	3,000
Palm Vein Capacity	:	1,000
Fingerprint Capacity	:	3,000
Card Capacity	:	3,000
Password Capacity	:	3,000
Log Capacity	:	2,00,000
Communication Interface	:	TCP/IP, Wi-Fi, USB, Weigand, Rs485
Screen Size	:	2.4"
Verification Time	:	<0.6s
Storage	:	1GB
Power Supply	:	DC 12V±5%
Product Dimension	:	185mm × 80mm × 29.5mm



Face



Palm Vein



Fingerprint



Card



Password



Access Control

#### Face & Palm Access Control Device

## TF-20

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Palm & PIN
Face Capacity	:	3,000
Palm Capacity	:	1,000
Password Capacity	:	3,000
Log Capacity	:	2,00,000
Communication	:	USB, Wiegand, RS485
Display	:	1.77 inch
Working Temperature	:	0°C ~ +45°C
Working Humidity	:	0% ~ 80%
Identification Time	:	<0.6s
Dimension	:	86mm×86mm×23.5mm



Face



Palm



Password



Excel Data Export



Access Control

## Face Recognition Access Controller



### TrueFace1000E/EW

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Card & Password
Face Capacity	:	1,000
Card Capacity	:	3,000
Card Type	:	TrueFace1000E(MIFARE) TrueFace1000EW(Proximity)
	:	
Password Capacity	:	1,000
Log Capacity	:	1,00,000
Display	:	2.4" Display
Operating Temperature	:	-10 °C to +45 °C (+14 °F to +113 °F)
Operating Humidity	:	0%-90% (RH), non-condensing
Power Supply	:	12 VDC, 2A
Power Consumption	:	<12W
Product Dimension	:	184.9mm × 76.2mm × 20.5mm



Face



Password



Card



Live Detection



Cloud



WDR



TrueFace1000EW

## Face Recognition Access Controller

### TrueFace1000D/DW

#### TECHNICAL SPECIFICATION

Identification Mode	:	Face, Fingerprint, Card & Password
Face Capacity	:	1,000
Fingerprint Capacity	:	3,000
Card Capacity	:	3,000
Card Type	:	TrueFace1000D(MIFARE) TrueFace1000DW(Proximity)
	:	
Password Capacity	:	1,000
Log Capacity	:	1,00,000
Display	:	2.4" Display
Operating Temperature	:	-10 °C to +45 °C (+14 °F to +113 °F)
Operating Humidity	:	0%-90% (RH), non-condensing
Power Supply	:	12 VDC, 2A
Power Consumption	:	<12W
Product Dimension	:	184.9mm × 76.2mm × 20.5mm



Face



Fingerprint



Password



Card



Live Detection



Cloud



WDR



TrueFace1000DW



## Access Controller

### TF-1DCW

#### TECHNICAL SPECIFICATION



Verification Method	:	Finger, Card, Password & Bluetooth
User Capacity	:	1,000 (main control mode), 10,000 (sub control mode)
Fingerprint Capacity	:	3,000
Card Capacity	:	5,000 (main control mode), 50,000 (sub control mode)
Bluetooth Card Capacity	:	5,000
Record Capacity	:	3,00,000
Buzzer	:	Yes
Power Supply	:	Power in: 12V DC or Power over Ethernet IEEE 802.3at Type 2 Class 4
Protection	:	Ik06
Operating Environment	:	Indoor
Operating Temperature	:	-10 °C to +55 °C (+14 °F to 131 °F)
Product Dimensions	:	186.4 × 185.8 × 58.3mm



#### Two/ Four Door two-way Access Controller

### TF-2DCW / TF-4DCW

#### TECHNICAL SPECIFICATION

Verification Method	:	Fingerprint, Card, Password & QR Code
User Capacity	:	1,00,000
Fingerprint Capacity	:	10,000
Card Capacity	:	1,00,000
Record Capacity	:	5,00,000
Wiegand	:	4-channel input in TF-2DCW, 8-channel input in TF-4DCW,
Power Supply	:	Switching power supply (AC to DC, AC 100–240 V 1.4 A; DC 12V 6A)
Operating Temperature	:	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Environment	:	Indoor
Product Dimensions	:	397.6 × 262.6 × 82.8 mm



## 1/2/4 Door Card Based Controller



## TW-1DC / TW-2DC / TW-4DC

### TECHNICAL SPECIFICATION

Capacity	:	Storage for 42,000 Valid Cards Information and 1,00,000 card swiping Records
Door control	:	1 Nos / 2 Nos / 4 Nos
Door lock relay	:	1 Nos / 2 Nos / 4 Nos
Quantity of reader interface	:	2 Nos / 4 Nos / 8 Nos
Communication method	:	TCP/IP
Voltage input	:	AC 220V
Voltage output	:	12V
Operating temperature	:	-25°C to 70°C
Operating humidity	:	10%-90%



## Elevator Controller

### TW-EC32

### TECHNICAL SPECIFICATION

Door Open Method	:	Face, Fingerprint, Card & Password
User Capacity	:	5,000
Fingerprint Capacity	:	10,000
Card Capacity	:	5,000 (Proximity, MIFARE Optional)
Password Capacity	:	5,000
Log Capacity	:	5,00,000
Communication Mode	:	TCP/IP / Wi-Fi

- 1. User Wise Floor Authentication
- 2. Control Up to 32 Floors



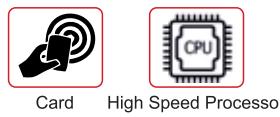
## Card Reader



### TW-CR100ID

#### TECHNICAL SPECIFICATION

Power Supply	:	12V DC
Power Consumption	:	<2W
Processor	:	8-bit
Reading Frequency	:	125KHz/13.56MHz
Reading Range	:	<50mm (<1.97")
Radio Frequency	:	ISO11784/11785/ISO14443-A
Audio Alert	:	Beeper
Keypad	:	No Keypad
LED Indicator	:	Power Indicator, Status Indicator
IP65	:	Standard



## Card Reader

### TW-CR100IDIC

#### TECHNICAL SPECIFICATION

Built-in audible beeper

Display the reader status with an LED indicator

DIP Switch

Rs485 and Wiegand (W26/W34) Protocol

Read EM Card

Dust-Proof and Weatherproof Design

Power Supply	:	12V DC
Power Consumption	:	<500mA
Processor	:	32-bit
Reading Frequency	:	125KHz
Reading Range	:	50 to 60mm (1.18 to 1.96")
Radio Frequency	:	Setting by the DIP Switch on the main board
Audio Alert	:	Beeper
LED Indicator	:	Status LED Indicator
IP Rating	:	IP64



LED Indicator



Dust Proof &  
Weatherproof



Built In Beeper



High Speed  
Processor

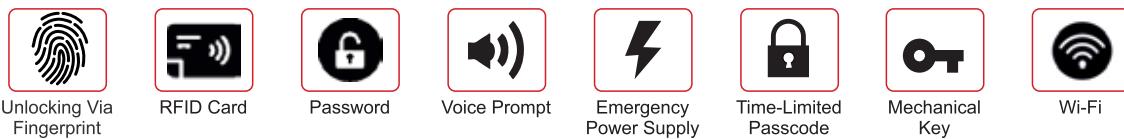
## Smart Door lock

### TW-SL3000

#### TECHNICAL SPECIFICATION



Unlock Options	:	Fingerprint, Password, App and Key
Capacity	:	300 All
Color	:	Black
Material	:	Alloy / Strengthened Glass
Lock Cylinder	:	Level-C Optional
Communication	:	Wi-Fi, Bluetooth
Power	:	4 AA Batteries
Type	:	Interior Doors
Life	:	≥6 million times
Door Thickness	:	38 ~ 55mm
Opening Direction	:	Universal
Size	:	296mm*68mm



#### Smart Door Lock

### TW-N500

#### TECHNICAL SPECIFICATION

Unlock Options	:	Face, Fingerprint, Password, App and Key
Capacity	:	300 All
Color	:	Golden/Black
Material	:	Alloy / Strengthened Glass
Lock Cylinder	:	Level-C Optional
Communication	:	Wi-Fi, Mobile App
Battery	:	Yes
Power	:	7.4V
Type	:	Interior Doors
Life	:	≥6 million times
Door Thickness	:	38 ~ 55mm
Opening Direction	:	Universal
Size	:	410mm*72mm



## UHF Reader

### TW-UR5/5T - TW-UR12/12T

#### TECHNICAL SPECIFICATION



**TW-UR5/5T**



**TW-UR12/12T**

Working Frequency	:	National Standard (920~925MHz), American Standard (902~928MHz), Or customize other Frequency
Support Protocol	:	ISO18000-6B, ISO18000-6C (EPC GEN2)
Frequency Hopping	:	FHSS or fixed frequency set by software
Working Way	:	Automatically reading card at regular time, can set reading card way
Frequency Power	:	0~26dBm, adjustable via software
False Reading Sensitivity	:	1~5M (TW-UR5/5T) / 1~15M (TW-UR12/12T)
Reading Speed	:	Dual polarization reading
Reading Distance	:	One label 64 bit ID number < 6ms
Working Status Indication	:	Buzzer
Power	:	1W
Working Temperature	:	-20°C~80°C
Storage Temperature	:	-40°C~125°C
Working Humidity	:	20%~95%(no condensing)
Antena	:	Build-in circular polarization antenna, gain 8dB / Build-in linear polarization antenna, gain 12dBi

### QR Code Reader

## TW-AER81/ER80

#### TECHNICAL SPECIFICATION

Product	:	QR Code Access Control Reader
Material	:	PC Material, Reading Window, Tempered Glass
Card Type	:	ID Card (MIFARE Optional)
Reading Speed	:	<200ms
Working Voltage	:	5 ~ 15V
Reading Distance	:	0-20cm
Working Current	:	800mA
Scanning Feature	:	Auto Sensor, Buzzer
Working Temperature	:	-20°C ~ 70°C
Working Humidity	:	10% ~ 90%
Interface	:	Wiegand, RS485, RS232 (Optional)
Indicator Light	:	Red Working Light, Green Feedback Light, Light Green network light
Decoding Support	:	QR/Barcode on paper, Mobile Phone



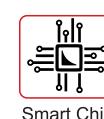
QR Code



ID Card



Double Fill Light



Smart Chip

## Mini UPS



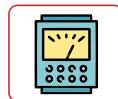
1 Year  
Warranty



Up to 4 Hour  
Power Backup



Built-in  
Surge Protection



Voltage  
Regulated



Light  
Weight

Input Voltage: 12VDC 2A

Output Voltage: 12VDC 1.5A (Max)

Battery: 6600mAh Lithium Ion with PCM

### APPLICATIONS



Router



CCTV



Biometric



Cordless  
Phone



POS &  
IOT Devices

## UPS Adapter

### TW12A UPS

#### TECHNICAL SPECIFICATION

Input Voltage Range	:	AC180-265VAC
Output	:	12V1.5A
Charging Current	:	300mA
Cell Charging Cut off	:	4.2V
Boost Section Topology	:	Asynchronous Boost
Max load Current	:	1.5 Amp
Load Voltage	:	12v +/- 1%
Switching time from	:	<1m Sec
Adapter to back up	:	
Cell Low cut voltage	:	3.0V
Load in short circuit	:	Blue Blinking
Low Battery Indication &	:	Red Led Glow
Fault Battery	:	



Built-in  
Surge Protection



Voltage  
Regulated



Light  
Weight



Up to 3 hours  
Power Backup

## UL Listed EM Locks With 3 Year Warranty



### UL No. :R41142

Holding force : 280KG(600LBS)

Dimensions : 250(L)\*47(W)\*26(H)mm

Voltage : DC12V / DC24V Switchable

Current : 12V/480mA 24V/240mA

Weight : 2KG

## UL Listed EM Locks With 3 Years Warranty



### UL No. :R41142

Holding force : 560KG(1200LBS)

Dimensions : 500(L)\*47(W)\*26(H)mm

Voltage : DC12V / DC24V Switchable

Current : 12V/960mA 24V/480mA

Weight : 4KG

## EM Locks & Brackets



EM Lock 300/600/1200 LBS  
With / Without Feedback



EM Lock 1200LBS Dual Leaf  
(With Feedback & Without Feedback)



Drop bolt for  
Wooden Door /Conceal Fit



Strike Lock



Drop Bolt Lock for  
Frameless Glass Door



Z Bracket



U Bracket



L Bracket

## Exit Button / EDR



No Touch Button



3x3 Push Button



1x3 Push Button

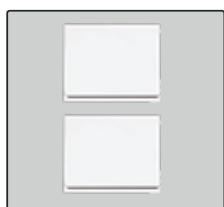


Emergency Door Release

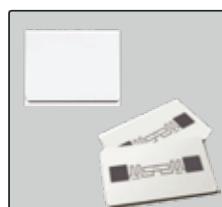
## Proximity / Mi-Fare / UHF Card & SMPS / Power Supply



Thin / Thick Proximity Card



Mi-Fare Card 1K / 4K



UHF Card / Tag



Combo Card



Power Supply 12V 2/5AMP



# ENTRANCE CONTROL SOLUTIONS

## Turnstile Gate



### TWLD-TS2700

#### TECHNICAL SPECIFICATION

Dimension	: 510(L) x 310(W) x 1010(H)mm
Passage Width	: 500mm
Material	: SS 304 Stainless steel + Acrylic
Traffic Direction	: One way Traffic / Two Way Traffic
Traffic Speed	: 25-30 People / Min.
Power	: 30-60W
Integration	: Face, Fingerprint , Card & QR
Life	: ≥5 Million times
Operating Temperature	: -20~70°C



Lift Time  
No Maintenance



No attrition & High  
Temperature Resistant



Failure proof  
electromagnetic  
solenoid valves



Low Noise &  
High Intelligence



SS304



≥5 million times

## Turnstile Gate

### TWLD-TS2715

#### TECHNICAL SPECIFICATION

Dimension	: 1200(L) x 220(W) x 980(H)mm
Passage Width	: 520mm
Material	: SS 304 Stainless steel + Acrylic
Traffic Direction	: One way Traffic / Two Way Traffic
Traffic Speed	: 25-30 People / Min.
Power	: 30-60W
Integration	: Face, Fingerprint , Card & QR
Life	: ≥5 Million times
Operating Temperature	: -20~70°C



Lift Time  
No Maintenance



No attrition & High  
Temperature Resistant



Failure proof  
electromagnetic  
solenoid valves



Low Noise &  
High Intelligence



SS304



≥5 million times

## Semi Automatic Tripod Turnstile



### TW-TP-8000HD

#### TECHNICAL SPECIFICATION

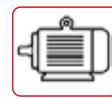
Dimension	: 1400(L) x 250(W) x 1000(H)mm
Passage Width	: <550mm
Material	: 304 stainless steel
Traffic Direction	: One way Traffic / Two Way Traffic
Working environment	: Indoor / Outdoor (If Sheltered )
Traffic Speed	: 25-30 People / Min.
Power Supply	: AC110–220V, 50/60Hz
Integration	: Face, Fingerprint , Card & QR
Life	: 8 M
IP rating	: IP54



8 million  
Movement Life



Illegal Intrusion  
Infrared Alarm



DC Brushless Motor



Auto Self Inspection  
& Alarm Prompt



Negligible  
Maintenance



SS304

## P-Type Swing Gate

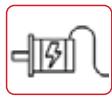
### TWLD-SBG1000

#### TECHNICAL SPECIFICATION

Dimension	: 250(L) x 200(W) x 980(H)mm
Passage Width	: 562.5mm (900mm Can be Customized)
Material	: SS 304 Stainless steel + Acrylic
Traffic Direction	: Bi-Directional
Traffic Speed	: 25-30 People / Min.
Power	: 40-70W
Integration	: Face, Fingerprint , Card & QR
Life	: ~8 Million times
Operating Temperature	: -20~70°C



8 million  
Movement Life



24V DC Brushless  
Motor low Noise



Auto Self Inspection  
& Alarm Prompt



Negligible  
Maintenance



SS304

## Swing Gate



## TWLD-SG2600/TWLD-SG2602

### TECHNICAL SPECIFICATION

Dimension	: 1200(L) x 200(W) x 980(H)mm
Passage Width	: 600mm (900mm Can be customized)
Material	: SS 304 Stainless steel + Acrylic
Traffic Direction	: One way Traffic / Two Way Traffic
Traffic Speed	: 25-30 People / Min.
Power	: 40-70W
Integration	: Face, Fingerprint , Card & QR
Life	: ≥8 Million times
Operating Temperature	: -20~70°C



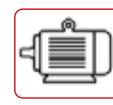
8 million  
Movement Life



6-8 Pairs  
Infra Red



Illegal Intrusion  
Infrared Alarm



DC Brushless Motors,  
Fully Automatic Clutch



Auto Self Inspection  
& Alarm Prompt



Negligible  
Maintenance



SS304

## Swing Gate

## TWLD-SG-20

### TECHNICAL SPECIFICATION

Dimension	: 700(L) x 200(W) x 1020(H)mm
Passage Width	: 600-900mm
Material	: SS 304 Stainless steel + Acrylic
Traffic Direction	: One way Traffic / Two Way Traffic
Traffic Speed	: 35-40 People / Min.
Power	: 40-60W
Integration	: Face, Fingerprint , Card & QR
Life	: ≥8 Million times
Operating Temperature	: -20~70°C



Fast & Adjustable  
Opening Time(0.3s-1s)



2 Pairs  
Infrared



Illegal Intrusion  
Infrared Alarm



24V Servo  
Brushless Motor



Inbuilt Anti-Collision  
& Anti-Pinch Function



Negligible  
Maintenance

## Swing Gate



### TW-SG-2712

#### TECHNICAL SPECIFICATION

Dimension	: 380(L) x 300(W) x 1024(H)mm
Passage Width	: Standard 600mm ( $\leq$ 1200mm can be customized)
Material	: Carbon steel plate + paint, toughened glass, acrylic
Traffic Direction	: One way Traffic / Two Way Traffic
Operating Speed	: 0.5 ~ 0.8 sec
Power	: 40-70W
Integration	: Face, Finger, Card, Password, QR and Remote
Life	: $\geq$ 8 Million times
Operating Temperature	: -15~70°C (Below -15°C Plus thermostat)



8 million  
Movement Life



2 Pairs  
Infrared



Illegal Intrusion  
Infrared Alarm



DC Brushless Motors,  
Fully Automatic Clutch



Auto Self Inspection  
& Alarm Prompt



Negligible  
Maintenance



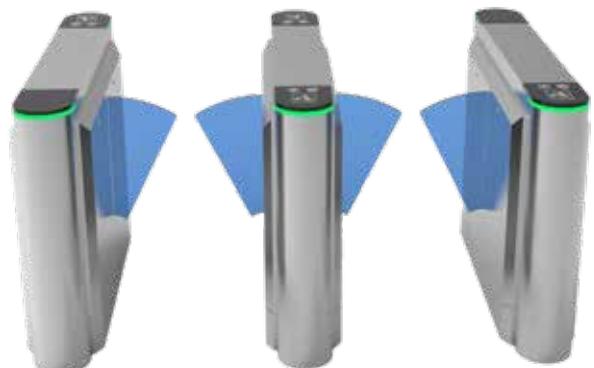
SS304

## Flap Barrier

### TW-FB2000/TWF2200

#### TECHNICAL SPECIFICATION

Dimension	: 1200(L) x 280(W) x 980(H)mm
Passage Width	: 600mm Standard (900mm can be customized)
Material	: SS 304 Stainless steel + Acrylic
Traffic Direction	: One way Traffic / Two Way Traffic
Traffic Speed	: 25-30 People / Min.
Power	: 30-60W
Integration	: Face, Fingerprint, Card & QR
Life	: $\geq$ 8 Million times
Operating Temperature	: -15~70°C



8 million  
Movement Life



5 Pairs  
Infrared



Illegal Intrusion  
Infrared Alarm



24V DC Brushless  
Motor low Noise



Auto Self Inspection  
& Alarm Prompt

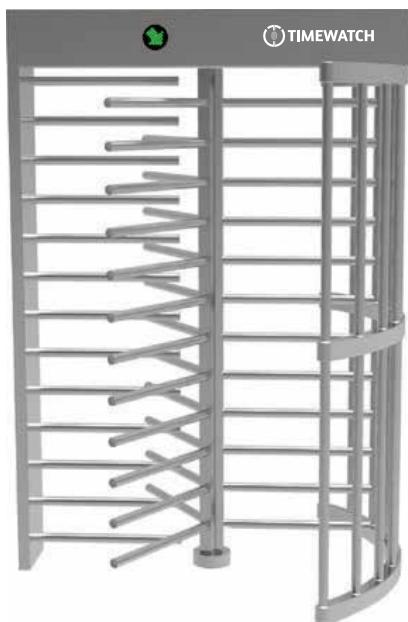


Negligible  
Maintenance



SS304

## Full Height Turnstile-Single Lane 3/4 Rod



### FHT2300/2400

#### TECHNICAL SPECIFICATION

Number of Rod	:	3 (FHT2300)
Number of Rod	:	4 (FHT2400)
Integration	:	Face, Finger, Card, Password & QR
Passage Width	:	550mm (FHT2300)
Passage Width	:	<550mm (FHT2400)
Operational Voltage	:	24V DC
Max Power Consumption	:	30W
Frequency	:	50-60Hz
Protection Level	:	IP44
Electro magnetic drive	:	DC
Material	:	SS304



Corrosion Protected  
SS Frame



LED  
Direction Indicator



Ingress Protection  
Rating



Wired  
Terminal



100% Heavy  
Duty



Delay Time

## Full Height Turnstile-Double Lane 3/4 Rod

### FHT2300D/FHT2400D

#### TECHNICAL SPECIFICATION

Number of Rod	:	3 (FHT2300D)
Number of Rod	:	4 (FHT2400D)
Integration	:	Face, Finger, Card, Password & QR
Solenoid/motor	:	24V DC 100%
Passage Width	:	<550mm Dual lane
Operational Voltage	:	12V Plus
Frequency	:	50-60Hz
Power Supply	:	100V~240V AC
Protection Level	:	IP44 Rating
Electro magnetic drive	:	DC
Material	:	SS304



Corrosion Protected  
SS Frame



LED  
Direction Indicator



Ingress Protection  
Rating



Wired  
Terminal



100% Heavy  
Duty



Delay Time



# PARKING CONTROL SOLUTIONS

## Parking Barrier



### TW6000DCLD

#### TECHNICAL SPECIFICATION

Appearance Dimension	:	340mm * 272mm * 1000mm
Boom Length	:	3 to 6m
Power Supply	:	220V ± 10% 50 ~ 60Hz
Voltage	:	AC110V/220V
Motor	:	24v 140w Brushless DC Motor
Remote Control Distance	:	<30m
Waterproof Grade	:	IP45
Working Temperature	:	-30 ~ +70 °C
Box Thickness	:	Full-thickness of 1.5mm
Motor Capacity	:	24V DC Brushless Motor
Integration	:	Controller, UHF Reader



Rebound Function  
in Resistance



1.8s Quick  
Lifting Speed



Long Remote  
Control Range-30m



Negligible  
Maintenance



24V DC  
Brushless Motor

## Parking Boom Barrier

### TW-DCLD-7000

#### TECHNICAL SPECIFICATION

Appearance Dimension	:	320mm * 250mm * 940mm
Boom Length	:	Straight Arm - 6m, Folding Arm - 4.5m
Power Supply	:	220V ± 10% 50 ~ 60Hz
Voltage	:	AC110V/220V
Motor	:	24v 150w Brushless DC Motor
Remote Control Distance	:	<30m
Waterproof Grade	:	IP45
Working Temperature	:	-30 ~ +70 °C
Box Thickness	:	Full-thickness of 1.5mm
Motor Capacity	:	24V DC Brushless Motor



Rebound Function  
in Resistance



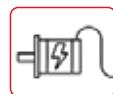
1.5 - 6s Quick  
Lifting Speed



Long Remote  
Control Range-30m



Negligible  
Maintenance



24V DC  
Brushless Motor



Convertible  
Arm Direction

## Hydraulic Rising Traffic Bollard

**K4** CRASH RATED  
CERTIFIED  
BOLLARD



### TW5200

Hydraulic Rising Traffic Bollards are widely used at highway toll stations, checkpoints, prisons, airports, government agencies, embassies, military bases, customs ports, banks, industrial and mining companies, warehouses, parking facilities, and other locations requiring vehicle control for restricted traffic access.

### TECHNICAL SPECIFICATION

Control system	:	Electric hydraulic
Power supply	:	220V
System power	:	300W
Weight capacity	:	More than 100 tons of Container Trucks
Opening time	:	1.5~3 Sec (can be adjustable)
Closing time	:	1.5~3 Sec (can be adjustable)
Blade height	:	600mm

## Automatic Number Plate Recognition



The angle of the number plate should not exceed 5 Degrees(clock or anti clockwise)

### TW-LPR2000

### TECHNICAL SPECIFICATION

Resolution	:	4mp / 8mp
IR Range	:	20m
Lens	:	12mm
Sensor	:	Sony
Compression	:	H.264
Frame Rate	:	30fps
Records Capacity	:	1,00,000 records
Flash Memory	:	32-128gb
Wi-Fi	:	2.4GHz & 5.0GHz, IEEE 802.11g Wireless
Ethernet	:	Gigabit Ethernet
Optical Format	:	1/2.3

 No NVR Required for recording

 Black list vehicle can be stopped

 Report can be viewed on mobile or laptop

 No controller required to operate boom barrier



# INSPECTIONS CONTROL SOLUTIONS

## Door Frame Metal Detector



### TW100SE (Single Zone DFMD)

#### TECHNICAL SPECIFICATION

Power Supply	:	AC90V~240V 50/60Hz
Power Consumption	:	12W
Passage Dimension	:	2157 × 812 × 349mm
Work Environment	:	-20°C to +65°C
Counter Module	:	Yes
Through Put Rate	:	30
Battery Backup	:	Optional
Indicator Light	:	Two LED Red & Green
Operating Frequency Range	:	1-50 Bands
Password protection	:	Yes
Volume adjustable mode	:	Yes



Double Infrared Mode



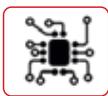
0-50 Sensitivity Level



20 min Quick Assemble &amp; Disassemble



4 Digit Password Protected



Digital Circuit Design Anti Interference



Completely Harmless to humans



Sound &amp; Alarm Function



Digital Display



People Counting

#### Door Frame Metal Detector

### TWD-2101 (6/9 Zone DFMD)

#### TECHNICAL SPECIFICATION

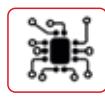
Power Supply	:	AC 100 V-240 V/50HZ-60HZ
Power Consumption	:	12W
Passage Dimension	:	6 Zone (2212 x 822 x 390mm) 9 Zone (2200 x 820 x 550mm)
Work Environment	:	-20°C to +65°C
Working humidity	:	99%, non-condensing
Counter Module	:	Yes
Through Put Rate	:	30
Battery Backup	:	Optional
Control panel	:	Digital LED display
Working Frequency	:	7KHz-9KHz



Double Infrared Mode



20 min Quick Assemble &amp; Disassemble



Digital Circuit Design Anti Interference



Completely Harmless to humans



Sound &amp; Alarm Function

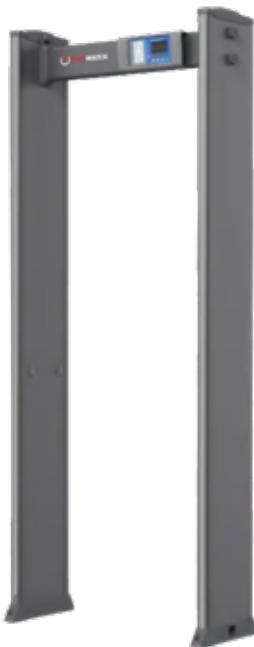


Digital Display



People Counting

## Door Frame Metal Detector



### TWD-2618 (18 Zone DFMD)

#### TECHNICAL SPECIFICATION

Power Supply	:	AC 100 V-240 V/50HZ-60HZ
Power Output	:	10 W
Passage Dimension	:	2165 x 828 x 349mm
Work Environment	:	-20 °C to +65 °C
Counter Module	:	Yes In/Out
Through Put Rate	:	<30
Battery Backup	:	Optional
Max Distance	:	0.3m at low sensitivity; 0.5m at high sensitivity
Indicator Light	:	One green indicator
Alarm In/Out	:	1 Output
Network	:	PC Connectivity (Optional)
Operation Power	:	12V DC



Double  
Infrared Mode



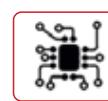
0-99  
Sensitivity Level



20 min Quick  
Assemble & Disassemble



4 Digit Password  
Protected



Digital Circuit Design  
Anti Interference



Completely Harmless  
to humans



Sound &  
Alarm Function



Digital Display



People Counting

## Door Frame Metal Detector



### TWD-2333 (33 Zone DFMD)

#### TECHNICAL SPECIFICATION

Passage Dimension	:	875mm(L) x 446mm(W) x 2191mm(H)
Electrical Current	:	AC100V~240V 50/60Hz
Power	:	10W
Net Weight	:	35KG
Signal Frequency	:	7000-8999Hz ( Adjustable)
Alarm	:	Sound and Light
Max Distance	:	0.3m at low sensitivity; 0.5m at high sensitivity
Input	:	AC 100 V-240 V/50HZ-60HZ



Double  
Infrared Mode



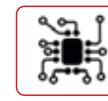
0-299  
Sensitivity Level



20 min Quick  
Assemble & Disassemble



4 Digit Password  
Protected



Digital Circuit Design  
Anti Interference



Completely Harmless  
to humans



Touch Display

## Hand Held Metal Detector

### TW-HH100

#### TECHNICAL SPECIFICATION



Dimension	:	295*68*28mm
Net Weight	:	170g (No battery)
Operation Voltage	:	DC 7~12V
Staple	:	30-50mm
Tiananmen-Style Pistol	:	Vertical : 1.6mm, Horizontal : 1.6mm
38 Caliber Pistol	:	250mm
Battery	:	Optional



40 Hours  
Battery



High  
Sensitivity



Small and  
Exquisite



Audible or  
Vibrating Alarm



Superior  
Shock Resistance



Light Weight

#### Portable Non-linear Junction Detector

### TWND-800

#### TECHNICAL SPECIFICATION

Frequency range	:	2.404 GHz - 2.472 Ghz
Receiving sensitivity	:	<125dBm
Battery working time	:	4.0H
Battery type	:	Replaceable lithium battery
Detection distance	:	>6M, C-class product
Detect penetrability	:	It can penetrate 370mm brick wall and meet the grade C products
Product dimension	:	750mm x 114mm x 108mm ( $\pm 5\text{mm}$ )
Product weight	:	<1.52kg $\pm 0.05\text{kg}$
Working temperature	:	-30°C~55°C
Working humidity	:	Less than 93%, no condensate



## Portable & Handheld Explosive & Narcotics Trace Detector



### TW-NE200

#### TECHNICAL SPECIFICATION

Outside dimensions	: 290mm(L)×170 mm(W)×145 mm(H)
Accuracy rate	: >99%
False alarm rate	: <1%
Detection limit	: 50pg cocaine hydrochloride; 50pg TNT
Analysis time	: <3 seconds
Warm up time	: <5 minutes
Alarm Recovery time	: <15s
Working environment	: 20°C~60°C 99% relatively humidity
Battery	: Lithium battery pack 14.8V/6700mAh continuous power supply no less than 3 hours

**Narcotics :** COCAINE, HEROINE, THC (cannabis), METHAM(Methamphetamine), Ketamine hydrochloride (K powder)  
 Morphine hydrochloride (morphine), ethidine, Ecstasy (MDA), Papaverine, Ecstasy (MDMA), Methyl ephedrine, Metformin  
 Synthetic ephedrine (K2), Shakeballs (lysergic acid diethylamide, LSD), Triazolam, Pentachlorophenol, Amphetamine.

**Explosives :** TNT (Trinitrotoluene), RDX (Cyclotrimethylene trinitramine (C4), PETN (Pentaerythritol tetranitrate), NITRO (nitroglycerine, ethylene glycol dinitrate), AM NO3 (ammonium nitrate), Black powder (sulphur), 2,4- Dinitrotoluene, Tetry, Octogen, Picric acid, NA, Composition C-4, Semtex, TATP, HMTD, Nitroguanidine, HNS, EGDN, DEGDN.

#### Explosives & Drugs Trace Detector

### TW-NE300

#### TECHNICAL SPECIFICATION

Dimension	: 332mm (L) x 332mm (W) x 188mm (H)
Weight	: <11Kg
Sensitivity	: Pg level
Analysis time	: 1~10s
Startup Time	: < 15 min
False alarm rate	: 1%
Detection rate	: >99%
Restore the alarm time	: <15s
Working temperature	: - 20°C to 60°C
Working pressure	: 60kPa~106kPa



**Verifiable explosives :** There are various kinds of military, civil and indigenous explosives, such as nitroglycerine nitrification, ammonium nitrate black powder, ammonium nitrate black powder, and the possibility of adding new samples as needed.

**Verifiable drug :** Cocaine, hydrochloric acid heroin, tetra hydrocannabinol, methylaniline (methamphetamine), ketamine hydrochloride, ecstasy, pethidine and other common drugs in the market and the possibility of adding new samples as needed.

## X-Ray Baggage Scanner

### TW5030

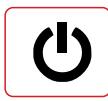
#### TECHNICAL SPECIFICATION



Tunnel Size	: 500mm*300mm ( $\pm 20\text{mm}$ )
X-Ray tube Anode Voltage	: 80 Kv
X-Ray Tube Cooling	: Sealed oil bath with forced air
Wire Resolution	: 38 AWG
Penetration(Steel)	: 12 mm
Leakage Dose-Rate	: $\leq 0.9 \mu\text{Sv/h}$ ( $\mu\text{Gy/h}$ )
Noise Level	: $\leq 65 \text{ dB}$
Conveyor Speed	: 0.2 m/s
Maximum Belt Load	: 80 kg (176.37 lb)
Power Supply	: 220–240 VAC
Typical Power Consumption:	: 220 W
Operating Temperature	: 0 °C to +45°C (32°F to +113°F)
Operating Humidity	: 0%–95% (RH), non-condensing
Dimensions	: 1660 mm × 746 mm × 1165 mm



Energy Saving



One Key Turn Off



High Resolution  
Color Display



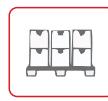
Sound &  
Light Alarm



Baggage  
Counter



Compact  
Design



Scan  
Palletized Loads

## X-Ray Baggage Scanner

### TW6040B

#### TECHNICAL SPECIFICATION

Tunnel Size	: 620mm*420mm ( $\pm 20\text{mm}$ )
X-Ray tube Anode Voltage	: 160 Kv
X-Ray Tube Cooling	: Sealed oil bath with forced air
Wire Resolution	: Typical: 40AWG (0.08 mm); Standard: 38AWG (0.1 mm)
Penetration(Steel)	: 30–35 mm
Leakage Dose-Rate	: $<0.9 \mu\text{Sv/h}$ ( $\mu\text{Gy/h}$ )
Noise Level	: $<65 \text{ dB}$
Conveyor Speed	: 0.2 m/s
Maximum Belt Load	: 170 kg
Power Supply	: AC 220V - 240V, 50/60Hz; AC 100V - 130V, 50/60Hz
Typical Power Consumption:	: 450 W
Operating Temperature	: 0 °C to +45°C (32°F to +113°F)
Operating Humidity	: 0%–95% (RH), non-condensing
Dimensions	: 2648 mm × 844 mm × 1206 mm



Energy Saving



One Key Turn Off



High Resolution  
Color Display



Sound &  
Light Alarm



Baggage  
Counter



Compact  
Design



Scan  
Palletized Loads

## X-Ray Baggage Scanner

### TWAT6550B

#### TECHNICAL SPECIFICATION



Tunnel Size	:	659.4mm*503.85mm ( $\pm 20\text{mm}$ )
X-Ray tube Anode Voltage	:	160 Kv
X-Ray Tube Cooling	:	Sealed oil bath with forced air
Wire Resolution	:	Typical: 40AWG (0.08 mm); Standard: 38AWG (0.1 mm)
Penetration(Steel)	:	30-35 mm
Leakage Dose-Rate	:	<0.9 $\mu\text{Sv/h}$ ( $\mu\text{Gy/h}$ )
Noise Level	:	<65 dB
Conveyor Speed	:	0.2 m/s
Maximum Belt Load	:	160 kg
Power Supply	:	AC 220V - 240V, 50/60Hz; AC 100V - 130V, 50/60Hz
Typical Power Consumption:		450 W
Operating Temperature	:	0 °C to +45°C (32°F to +113°F)
Operating Humidity	:	0%-95% (RH), non-condensing
Dimensions	:	2194mm x 902mm x 1362.5mm



Energy Saving



One Key Turn Off



High Resolution Color Display



Sound &amp; Light Alarm



Multi Energy



Baggage Counter



Compact Design



Scan Palletized Loads

#### X-Ray Baggage Scanner

### TW100100

#### TECHNICAL SPECIFICATION

Tunnel Size	:	1011mm*1006.5mm ( $\pm 20\text{mm}$ )
X-Ray tube Anode Voltage	:	160 Kv
X-Ray Tube Cooling	:	Sealed oil bath with forced air
Wire Resolution	:	Typical: 40AWG (0.08 mm); Standard: 38AWG (0.1 mm)
Penetration(Steel)	:	35mm ( $\pm 2\text{mm}$ )
Leakage Dose-Rate	:	<0.9 $\mu\text{Sv/h}$ ( $\mu\text{Gy/h}$ )
Noise Level	:	<65 dB
Conveyor Speed	:	0.22 m/s
Maximum Belt Load	:	180 - 200 kg
Power Supply	:	AC 220V - 240V, 50/60Hz; AC 100V - 130V, 50/60Hz
Typical Power Consumption:		450 W
Operating Temperature	:	0 °C to +45°C (32°F to +113°F)
Operating Humidity	:	0%-95% (RH), non-condensing
Dimensions	:	3638mm x 1295mm x 1916.5mm



Energy Saving



One Key Turn Off



High Resolution Color Display



Sound &amp; Light Alarm



Multi Energy



Baggage Counter



Compact Design



Scan Palletized Loads

## AI Based X-Ray Baggage Scanner

### TW5030 (AI)

#### TECHNICAL SPECIFICATION



Tunnel Size	:	500mm*300mm ( $\pm 20\text{mm}$ )
X-Ray tube Anode Voltage	:	80 Kv
X-Ray Tube Cooling	:	Sealed oil bath with forced air
Wire Resolution	:	36/38 AWG
Penetration(Steel)	:	6/8 mm
Leakage Dose-Rate	:	$<0.9 \mu\text{Sv/h} (\mu\text{Gy/h})$
Noise Level	:	$<60 \text{ dB}$
Conveyor Speed	:	0.2 m/s
Maximum Belt Load	:	80 kg
Power Supply	:	AC 110V to 230V (-15% to +10%)
Typical Power Consumption:	:	$< 0.5 \text{ KVA}$
Operating Temperature	:	5°C to +40°C
Operating Humidity	:	5%–95% (RH), non-condensing
Dimensions	:	1483mm(L) × 730mm(W) × 1060mm(H)
Item Recognition	:	Recognizes items and display AI overlay the AI overlay box moves with packages



AI Enabled (Auto Detects the object)



Energy Saving



One Key Turn Off



High Resolution Color Display



Sound & Light Alarm



Baggage Counter



Compact Design



Scan Palletized Loads



Camera

#### AI Based X-Ray Baggage Scanner

## TW6040B (AI)

#### TECHNICAL SPECIFICATION

Tunnel Size	:	620mm*420mm
X-Ray tube Anode Voltage	:	160 Kv
X-Ray Tube Cooling	:	Sealed oil bath with forced air
Wire Resolution	:	38AWG
Penetration(Steel)	:	30-35 mm
Leakage Dose-Rate	:	$\leq 0.9 \mu\text{Sv/h} (\mu\text{Gy/h})$
Noise Level	:	$\leq 60 \text{ dB}$
Conveyor Speed	:	0.2 m/s
Maximum Belt Load	:	165 kg
Power Supply	:	AC 220V - 240V, 50/60Hz; AC 100V - 130V, 50/60Hz
Power Consumption	:	$< 0.8 \text{ KVA}$
Operating Temperature	:	5 °C to +45 °C (32°F to +113°F)
Operating Humidity	:	5%–95% (RH), non-condensing
Dimensions	:	2011 mm (L) × 887 mm (W) × 1260 mm (H)
Item Recognition	:	Recognizes items and display AI overlay the AI overlay box moves with packages



AI Enabled (Auto Detects the object)



Energy Saving



One Key Turn Off



High Resolution Color Display



Sound & Light Alarm



Baggage Counter



Compact Design



Scan Palletized Loads



Camera

## AI Based X-Ray Baggage Scanner

### Ai-Scan-DV

#### TECHNICAL SPECIFICATION



Tunnel Size	:	620mm*420mm
X-Ray tube Anode Voltage	:	View 1: 160KV, View 2: 140KV
X-Ray Tube Cooling	:	Oil-cooling
Wire Resolution	:	38 AWG
Penetration(Steel)	:	30 - 35 mm
Conveyor Height	:	600mm
Conveyor Speed	:	0.2 m/s
Maximum Belt Load	:	180 kg
Power Supply	:	AC 220V (-15% to +10%), 50Hz/60Hz ( $\pm 3\text{Hz}$ )
Power Consumption	:	< 1.0 KVA
Operating Temperature	:	5°C to +40°C
Operating Humidity	:	0%-95% (non-condensing)
Dimensions	:	2311 mm (L) $\times$ 1172 mm (W) $\times$ 1260 mm (H)
Item Recognition	:	Recognizes items and display AI overlay the AI overlay box moves with packages



AI Enabled (Auto Detects the object)



Multi Energy



Dual View



One Key Turn Off



High Resolution Color Display



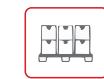
Sound & Light Alarm



Baggage Counter



Compact Design



Scan Palletized Loads



Camera

#### AI Based X-Ray Baggage Scanner

## TW100100(AI)

#### TECHNICAL SPECIFICATION

Tunnel Size	:	1000mm*1000mm
X-Ray Generator	:	160 Kv
X-Ray Tube Cooling	:	Sealed oil bath with forced air
Wire Resolution	:	Standard: 36AWG Typical: 38AWG
Penetration(Steel)	:	30 - 35 mm
Conveyor Height	:	300mm
Conveyor Speed	:	0.2 m/s
Maximum Belt Load	:	200 kg
Power Supply	:	AC220V+10%~15% 50±3Hz
Typical Power Consumption:		800 W
Operating Temperature	:	0°C to 45°C
Operating Humidity	:	0%-95% (non-condensing)
Dimensions	:	3592mmx1360mmx1894mm (L x W x H)
Item Recognition	:	Recognizes items and display AI overlay the AI overlay box moves with packages



AI Enabled (Auto Detects the object)



Energy Saving



One Key Turn Off



High Resolution Color Display



Sound & Light Alarm



Baggage Counter



Compact Design



Scan Palletized Loads



Camera

## Under Vehicle Surveillance System

### TW3300

#### TECHNICAL SPECIFICATION



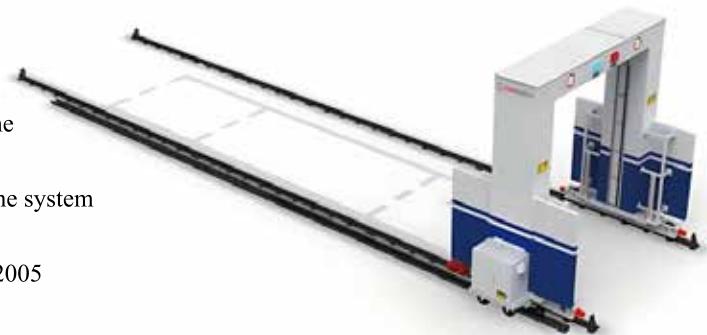
Maximum Scanning Rate	:	18kHz
View Angle	:	170 Degrees
Lighting	:	320W
Vehicle Speed	:	1-60Km/hr (<30Km/h)
Scanner Data Line	:	10m (Customizable)
Lighting Component	:	4 single sealed LED surface light sources, life span 50000 hours
Load Bearing Weight	:	50T
Waterproof Grade	:	IP68
Weight of device	:	180Kg
Size of Device	:	1200*350*210mm
Image Resolution	:	12000 X 6144
Operating Temperature	:	-25 ° C ~ 60 ° C
Storage Temperature	:	-40 ° C ~ 75 ° C
Scanning Resolution	:	≥2048pixels CCD / ≥4096pixels CCD

#### Cargo and Vehicle Inspection System

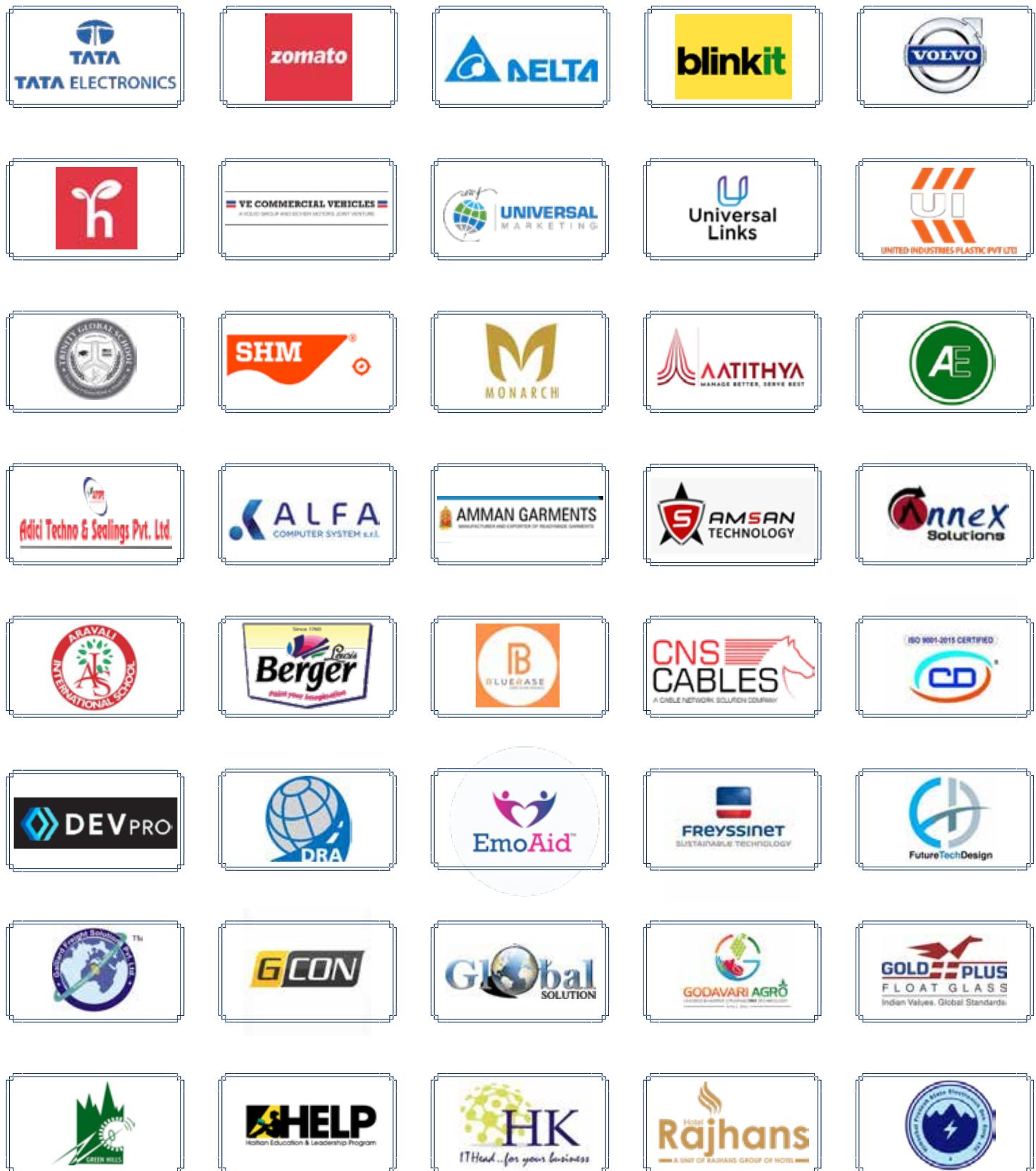
### TimeScan

#### TECHNICAL SPECIFICATION

Dimension	:	3*3m (can be customized)
Scanning speed	:	0.2m/s
Steel penetration	:	50 mm by 200KV, 70mm 300KV
Spatial resolution	:	Vertical 2mm/Horizontal 1.3mm
X ray dose per inspection	:	<7.2 μSv by 200KV
X ray leakage	:	<5 μSv/h, anywhere 10m away from the generator of the system
Noise	:	<65dB(A) , anywhere 1m away from the system
Detector shape	:	High resolution L-shaped detector line
Safety standard	:	Meet the requirements of GB15208.0-2005
Power consumption	:	Maximum 4KVA
Console	:	24-inch display
Film Safety	:	Guarantee ASA/ISO1600 Film



## Our Clients









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