

Jakin® ID



Enterprise-wide ID Management Solutions
for **Security** and **Workforce Management** Applications

Technical training agenda

- ☐ Company Overview
- ☐ Product Overview
- ☐ ACTA3 Model and Legend
- ☐ Back Panel – Internal Structure and Connections
- ☐ ACTA3 Terminal GUI
- ☐ FingerPrint Enrollment
- ☐ ACTA3 Web UI
- ☐ Door Connection
- ☐ ACTA3 CMOS/ Video Camera
- ☐ Key Features and Benefits
- ☐ Accessories

ACTA3 ID Management Technology Platform



Biometric Authentication Real time communication Enterprise-wide deployment

Company profile

Provides user-friendly RFID biometrics fingerprint Authentication IOT cloud-based ID management platform and solutions With 15 years of experience in providing RFID fingerprint biometrics IOT solutions or the enterprise ID management applications for security and work force management, our worldwide installations in Fortune 500 companies plus over 100 million users daily of our devices and IOT platform demonstrate our success in the field.

Started by a team of hi-tech professionals with wide range of experiences in semiconductors, RFID, software and cloud development, embedded devices and manufacturing in 2001. We are the only company started with the sole aim of developing IOT and cloud solutions using fingerprint biometrics and RFID cards

The Group has operational offices in the Canada, USA, EMEA, UK, Thailand (Bangkok), Singapore, Hong Kong, Taiwan, and Sri Lanka.

Made in Hong Kong

Origin : U.K

R&D: U.K and Hong Kong

Website: Products: www.actatek.com

Solutions: www.jakinid.com

Key Award lists



Biometric Vertical Market Penetration Leadership Award by Frost Sullivan 2010



**"5 Star Rating of Best Buy" - ACTA3 Combination Model
(SC Magazine, January Issue, 2010)**



Best Of 2009" - ACTA3 Combination Model" (SC Magazine, January Issue, 2010)



Product Innovations award (Network Product Guide, 2008)



High-tech Innovations Award 2006/2007 from American Electronics Association, USA

Jakin® ID

ACTA3 All In One Device



VIDEO/ CMOS CAMERA (OPTIONAL)

FULL COLOR LCD DISPLAY

T9 KEYPAD (PIN) / SMART CARD (OPTIONAL)

IP 65 CASE

FINGER PRINT



ACTA3 Specifications



- 2.8' TFT 256k colour screen with slim and compact design
- Embedded software, no software installation necessary.
- State of the art embedded, encrypted Linux web server technology.
- Control, configure & administrate via web browser
- TLS encrypted communication between units & browser
- Real time system update & configuration
- 500 DPI optical scanner
- Auto-match support up to 20,000 users (1:N) FLI model
- Operates in Standalone or Network modes
- Robust and scalable for enterprise-wide deployment
- Instant notification by SMS, Email and on-screen (*require configuration and SMS service subscription)
- Design for IP 65 rated, weather & impact resistant casing (fluid ingress, dust, salt, fog protection)
- Built-in Video/CMOS camera (optional)
- Up to 500 photos (FIFO off-line storage)
- 1,000, 3,000 , 5,000 ,10,000, 15,000 or 50,000 users
- Up to 75,000 off-line event logs
- Five Modes of authentication : Fingerprint only / Smart Card only / Smart Card + Fingerprint / ID + Fingerprint, and ID + PIN.
- Multi-lingual interface (LCD & Web)
- Wiegand 26-bit output (*On demand basis)

ACTA3 Model ID

Model Number Description

Model Number	Description
ACTA3-[Model]-[Option]-[Others]	Embedded TLS-Web Server With PIN/ Camera/ Smart Card/ Finger Print
ACTA3-50K-FLI-SM-C	

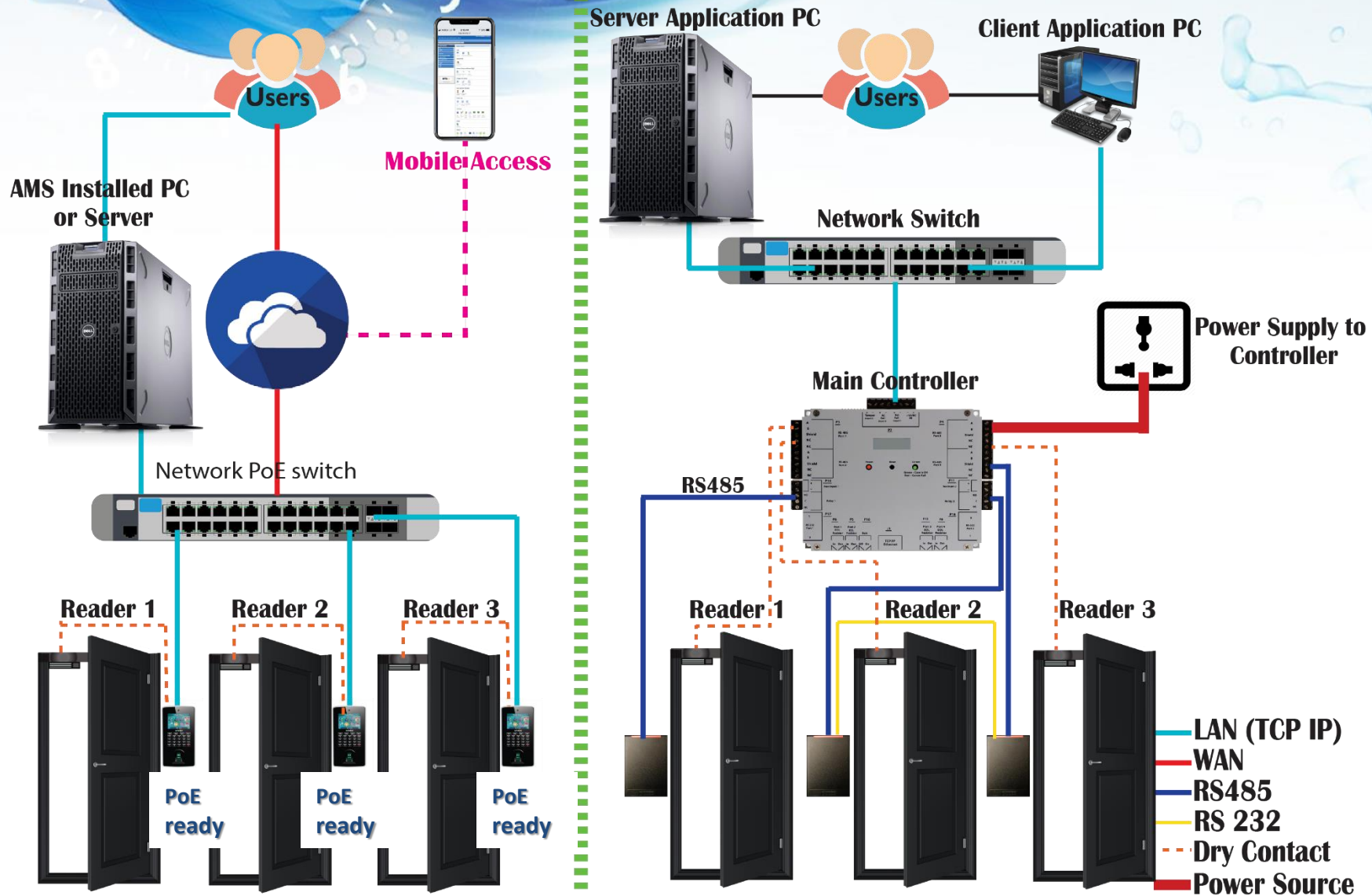
Legend

Model	Description
1K (Smart Card Finger Print)	Embedded TLS-Web Server up to 1000 users
10K	Embedded TLS-Web Server up to 10000 users
15K	Embedded TLS-Web Server up to 15000 users
30K	Embedded TLS-Web Server up to 30000 users
50K	Embedded TLS-Web Server up to 50000 users

Sample Model ID's

Model Number	Description
ACTA3-1K-PC	1000 User + PIN + Camera Model
ACTA3-3K-SM	1000 User + Smart Card Model (Mifare)
ACTA3-50K-FLI-SM-C	50000 User + Finger Print [FLI] + Smart Card [SM] + Camera Model

ACTA3 Vs Traditional Security Installations



ACTA3 VS TRADITIONAL SECURITY INSTALLATIONS

- IP Technology on Existing LAN-WAN HTTP/HTTPS Protocols.
- Industry Standard CAT5 and CAT6 Wiring.
- Installation near the Door Reduces Wiring and Improves Reliability.
- Neat, Elegant, Reliable and Easy to Maintain Installation.
- No need protection cover



- Non-Standard and Proprietary Networking and Protocols.
- Proprietary Non-Standard Multi Core, Long and an Expensive Wiring.
- Panel Installed in a Central/Server Room Far from all the Doors
- Clumsy, Failure Prone Installation.
- Need Cover to protect the reader and Controllers.



ACTA3 Internal Structure and Connections



Part No :
ACTA3-1K-FLI-SM-C

01. DC OUT :- Used for 12V 1A power output e.g. external I/O board.

02. VIDEO :- Used for video output. The output can be connected to any television or monitors with AV input.

03. ALARM :- Used for alarm purpose, when the case of the unit is open, the alarm will be triggered. When it is triggered, the two pins will be short circuit.

04. DOOR SW :- Used as door switch1.

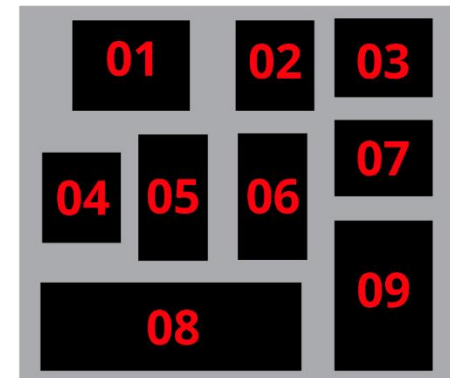
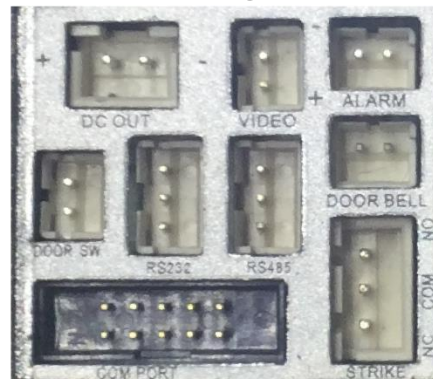
05. RS232 :- Used for debug or connecting external I/O board.

06. RS485 :- Reserver for Wiegand output 26bit (*on demand basis*)

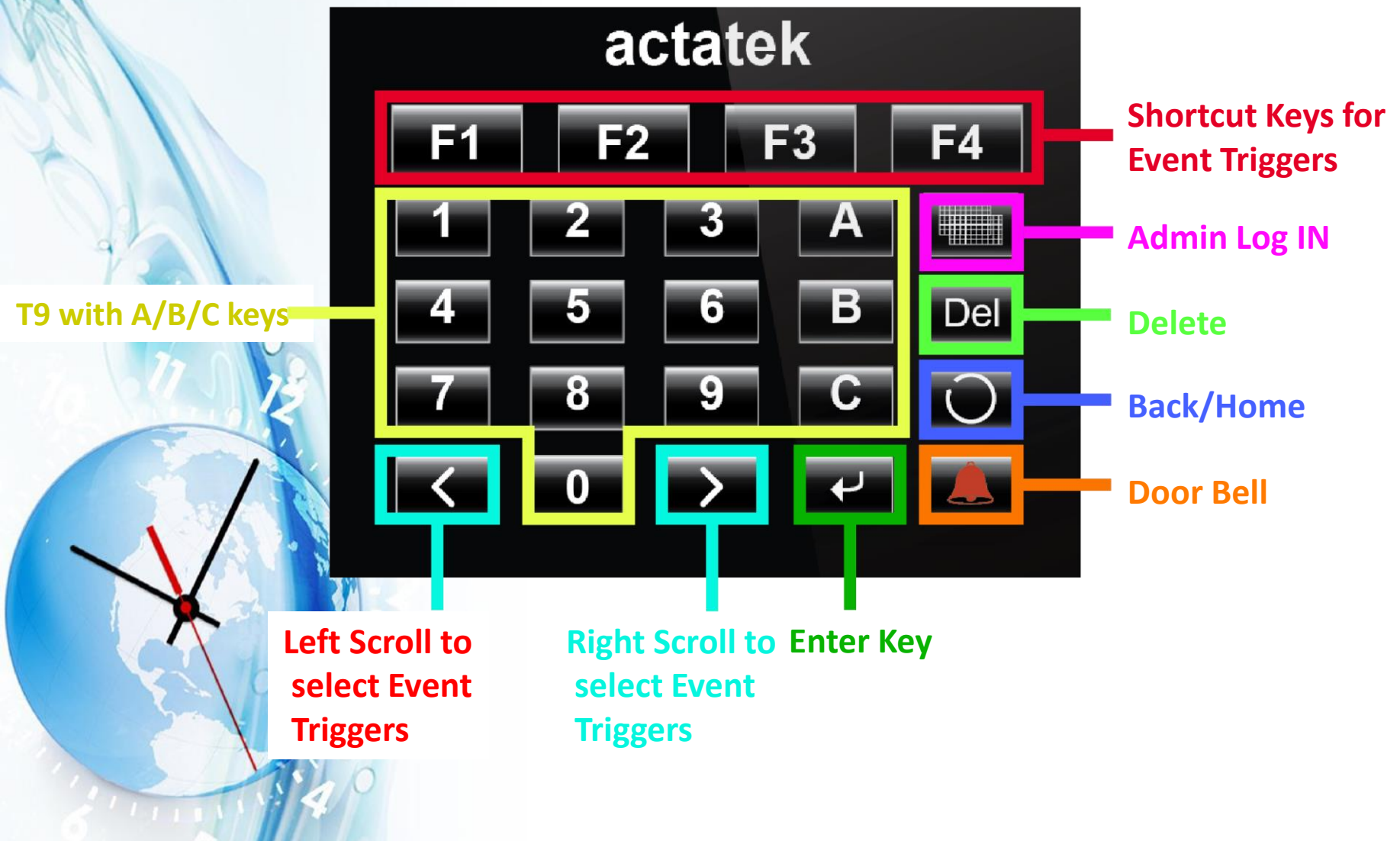
07. DOOR BELL :- Working as a doorbell. If doorbell key on the front panel is pressed or it is enabled from the web page the two pins will be short circuit.

08. COM PORT :- Used to connect external barcode/magnetic trip reader.

09. STRIKE :- Used for door strike. NO (normal open) is open circuit normally, and will be short circuit when door is open. NC (normal close) is short circuit normally, and will be open circuit when door is open.



ACTA3 Keypad



ACTA3 Terminal GUI (Standby Mode)

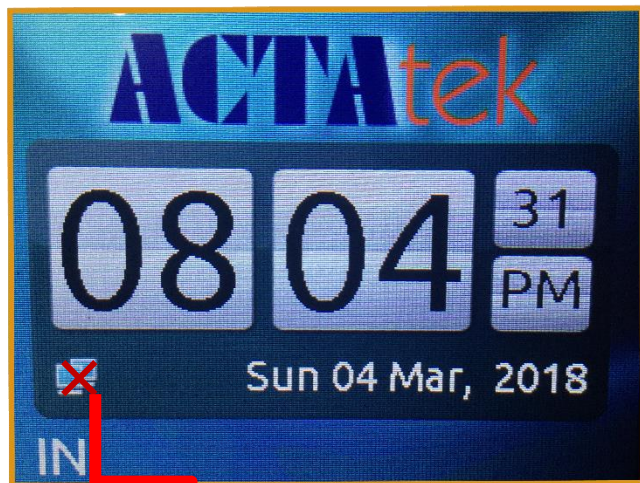
Company Logo

Selectable 12/24 Hours Display

Network Status Icon

Event/Trigger Name

Display Full Date

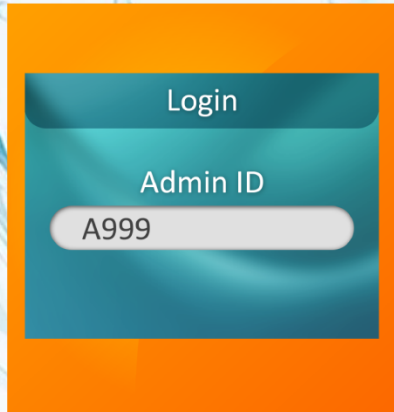


Offline Mode



Part No ACTA3-1K-FLI-SM-C

Login

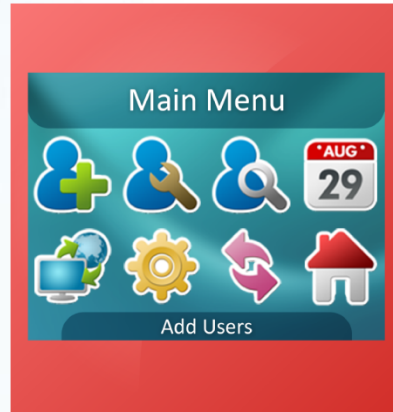
A screenshot of the login interface. It features a blue header with the word 'Login'. Below it is a light blue box containing the text 'Admin ID' and a white input field with the value 'A999'.

Login by pressing the Admin button

Hardcoded Super Admin user "A999" with default password "1"

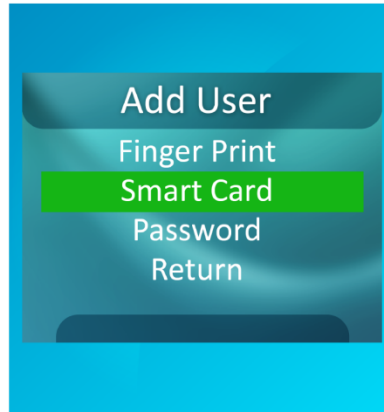
1

Main Menu



Main Menu of ACTatek 3 Terminal

Add User



- **Fingerprint** – Require 3 templates to register

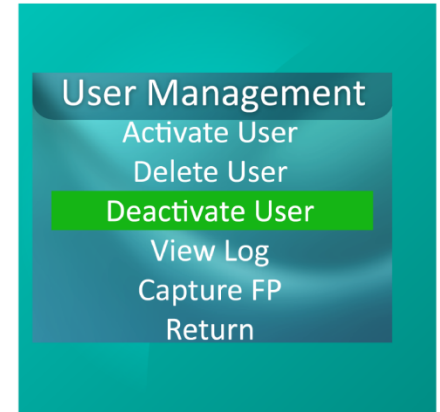
- **Smartcard** – Add smart card to the user

- **Password** – Add password to register

- **Return** – Back to Main Menu

3

User Management



- **Activate User** – to be able to access the terminal

- **Delete User** – delete user from the terminal

- **Deactivate User** – Temporarily disable the user to access terminal

- **View Log** – View TA events of User

- **Capture FP** - View quality of the Fingerprint of a user

- **Return** – back to main menu

4

Automatch

Automatch

Automatch

Group Automatch

Return



- **Automatch** – Enables/Disable 1:N of every user
- **Group Automatch** – Group the users 1:N enable to match faster
- **Return** – Back to Main Menu

5

IP Settings

IP Settings

DHCP(OFF)

Subnet Mask

IP Address

Gateway

DNS IP

Return



- **DHCP** : Dynamic IP Enable/Disable
- **Subnet Mask** : e.g. 255.255.255.000 (default)
- **IP Address** : e.g. 192.168.1.100 (default)
- **Gateway**: e.g. 192.168.1.254 (default)
- **DNS**: e.g. 192.168.1.254 (default)
- **Return**: Back to Main Menu

6

Terminal Setting

Terminal Setting

FP Quality

No.of FP Sample

Restrict IP (OFF)

Master/Client Setup

Unlock Door

Reboot



- **FP Quality** - Finge Print Quality Selection
- **No.of FP sample**– Number of finger Print Template
- **Restrict IP** – Access Restriction
- **Master/Client Setup**– Grouping the devices
- **Unlock Door** - Remote Door Open
- **Reboot** - Restart the device.

7

Reset

Reset

Reset Event Log

Reset Databas

Factory Default

Reset Web Port

Return



- **Reset Event Log** – Delete Event log from the terminal
- **Reset Database** – delete the terminal's Internal Database
- **Factory Default** – Factory reset the terminal
- **Reset Web Port** – reset the terminal port number
- **Return** – back to main menu

8



Understanding ACTA3 FingerPrint Modules

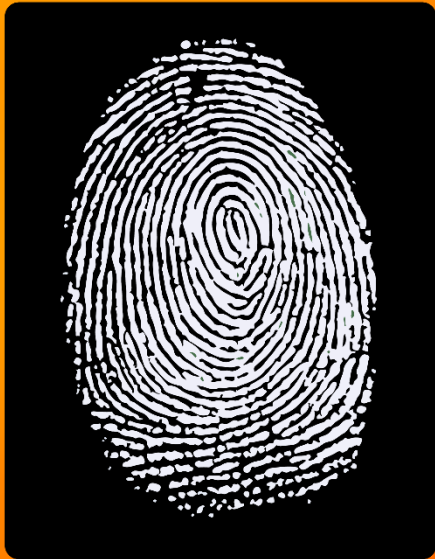
FLI Module -Part No - ACTA3-20K-FLI-SM-C

- Supports 1K to 20K Automatch Users (max.50K Users)
 - 6 LED
 - Optical Sensor (500DPI)

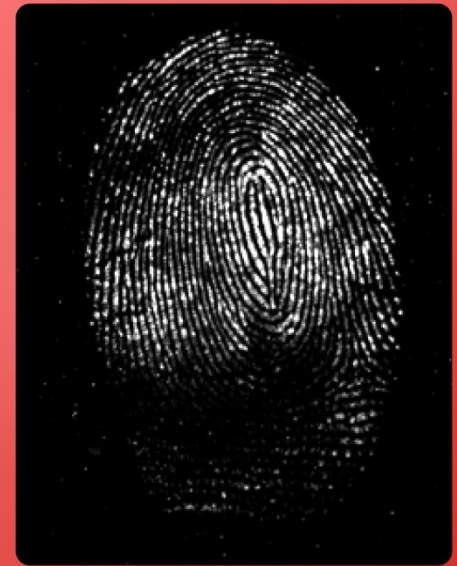


Identifying Good Image vs Bad Image

A good fingerprint image is one in which the core of the fingerprint is well-defined and easily recognizable. The core of a finger is defined as the “point located within the inner most recurring ridge”, it is normally located in the MIDDLE of the fingerprint. It is therefore critical when enrolling that you place the finger on the scanner where the entire core can clearly be seen.

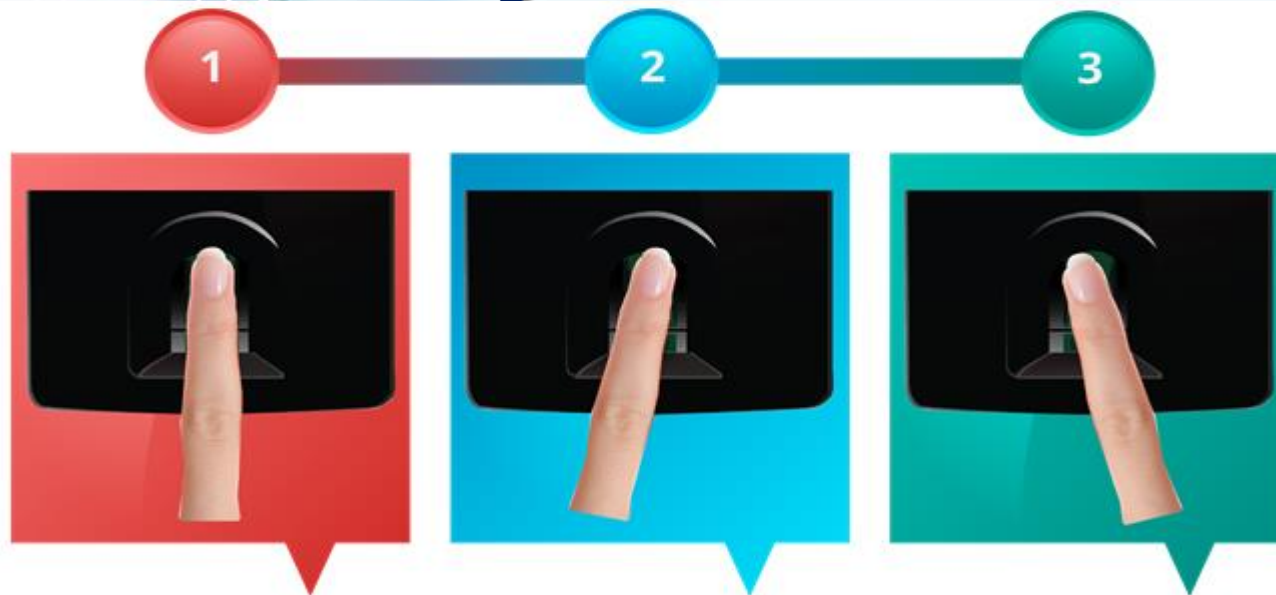


Good Image: The whole fingerprint core can be seen clearly.



Bad Image: An image where the crackles & displacement of the fingerprint core makes it unrecognizable.

Fingerprint positioning during enrollment



Step 1: Place the center of any one finger directly above the sensor right in the center, as shown above.

Step 2: Place the center of the same finger (enrolled in Step 1), slightly aligned to the left.

Step 3: Place the center of the same finger, slightly aligned to the right.

After each placement, wait for the message “Please Remove Finger” on the LCD screen to appear, and then continue to finish the 2nd, and 3rd time FP template enrollment.

ACTA3 Web UI

ACTAtek



**Scan QR code to
Access Our Live Demo Unit**

Login ID : A999

Login Password : •

Login Level : Personal User ▼

- Personal User
- User Administrator
- Network Administrator
- Super Administrator

**Default IP address:
192.168.1.100**

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Login to the device

- **Browser Supported:** IE; Chrome; Firefox; Safari and any other browser available.
- **Default User ID** “A999” password “1”
- **Different User Login Level:** Personal; User Admin; Network Admin; Super Admin
- **TLS Encryption/Https** for the information when device is available on the internet

ACTA3 Web UI

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Terminal

- Log Off
- Terminal Status
- Add Record

User Administration

- Attendance Report
- Daily Report
- View Event Log
- Add Event Log
- View User List
- Add New User
- Departments
- User Messages
- Admin Setting

Access Control

- Access Groups
- Triggers
- Holidays Setting

Terminal Settings

- Terminal Setup
- Authentication/Log Setup
- Terminal List
- Access Client Setup
- Door Open Schedule
- Bell Schedule
- Connection Profile
- Terminal Clock
- External Devices
- DDNS

Terminal

- Cloud Storage Service
- SMS Service
- Alert Log

Terminal Status

Model Number	ACTA3-5K-FLI-SM
Serial Number	00111DB00B0D
Firmware Version	actatek_3_06.1617
FLI Version	2.050
Terminal Description	ACTatek Test Unit-2
IP Address	192.168.15.4
System Uptime	12 Hour(s) 29 Minute(s)
Registered/Maximum Users	45/5000
Automatch Users	39/5000
Current Status	Online
Last Time Server Sync Time	Time Server Disabled
Total Flash Memory Size	253.38M
Memory Free	191.69M
Access Manager	
Connection Type	LAN
Server Status	online
Device Status	Registered



Scan QR code to
Access Our Live Demo Unit

Terminal Status provided with the information: -

- Model ID
- Serial Number
- Firmware Version
- FAM version
- Terminal Description/Name
- IP address
- System Uptime
- Registered User/Max user
- Automatch User
- Current Status
- Last Time Server sync time using SNTP
- Total Flash Memory
- Memory Free

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- Bell Schedule
- Connection Profile
- Terminal Clock
- External Devices
- DDNS

Terminal

- Cloud Storage Service
- SMS Service
- Alert Log
- Syslog
- Firmware Upgrade
- Download Report
- Capture Fingerprint
- Capture Picture
- Remote Door Open
- Reboot

Support

- Register

User Administration

1. Attendance Report - To view the attendance report of users in the system
2. Daily Report - To view the daily report of users in the system
3. View Event Log - To view the event log of the users in the system
4. Add Event Log - To add an event log in to the system
5. View User List - To view the list of users in the system
6. Add New User - To add a new user into the system
7. Departments - To view the list of departments or add a new department
8. User Messages - To send personalized messages to individual users during clock IN/OUT (Standalone mode)

Access Control

1. Access Groups - To view or modify existing access groups or add a new group
2. Triggers - To view or modify the trigger list.
3. Holidays Setting - To setup the systems for recognizing holidays for unique settings.

Terminal Settings

1. Terminal Setup - To view modify the terminal settings, e.g. IP / Gateway.
2. Authentication / Log Setup - To setup the behavior of authentication log.
3. Terminal List - To view the list of terminals connected.
4. Access Client Setup - To setup the ACTAtek to the Access Manager
5. Door Open Schedule - To view or modify the door opening schedule.
6. Bell Schedule - To view or modify the bell schedule period.
7. Connection Profile - Use for manual Agent configuration.
8. Terminal Clock - To view or modify the terminal clock settings
9. External Devices - To connect external devices to the ACTAtek3unit.

Tools

1. Cloud Storage Service – Google Spreadsheet integration
2. SMS Service -To setup the SMS service
3. Alert Log -To setup which action gives out alert log
4. Syslog -To enable the remote system log
5. Backup System Data - To backup the system data. (Standalone Mode)
6. Restore System Data -To restore the system data from a previous setting (Standalone mode)
7. Firmware Upgrade - To upgrade the firmware provided by ACTAtek Ltd.
8. Download Report -To download access log report in Excel or Txt format
9. Capture Fingerprint - To capture fingerprint images (for review purpose).
10. Remote Door Open - To open the door using the web interface.
11. Reboot - To reboot the unit remotely.

View Event Log

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Terminal

- [Log Off](#)
- [Terminal Status](#)
- [Add Record](#)

User Administration

- [Attendance Report](#)
- [Daily Report](#)
- [View Event Log](#)
- [Add Event Log](#)
- [View User List](#)
- [Add New User](#)
- [Departments](#)
- [User Messages](#)
- [Admin Setting](#)

Access Control

- [Access Groups](#)
- [Triggers](#)
- [Holidays Setting](#)

Terminal Settings

- [Terminal Setup](#)
- [Authentication/Log Setup](#)
- [Terminal List](#)
- [Access Client Setup](#)
- [Door Open Schedule](#)
- [Bell Schedule](#)
- [Connection Profile](#)

Event Log

Search Options

Name	ID	
User <input type="text"/>	<input type="text"/>	
Period	From	To
Time <input type="text"/> Today ▼ or <input type="text"/> 2018 ▼ 8 ▼ <input type="text"/>	<input type="text"/> 2018 ▼ 8 ▼ <input type="text"/>	<input type="text"/>
Department	Event	
Others <input type="text"/>	<input type="text"/>	

Fill in the form to filter the report, or leave it blank for a full report

Event 1-2 of 2

<< < 1 > >>

	User ID	Name	Department	Date Time ▼	Event	Terminal	Captured Image	Remark
1	0830	--	General	2018/08/30 21:36:14	OUT	ACTATEK DEMO	View Image	#FP#
2	0830	--	General	2018/08/30 08:35:54	IN	ACTATEK DEMO	View Image	#FP#

Event 1-2 of 2

<< < 1 > >>

Delete Event Log

Delete all event logs before the beginning of :

View Event Log with captured photo



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Terminal Settings

- **Terminal Setup**
- **Authentication/Log Setup**
- **Terminal List**
- **Access Client Setup**
- **Door Open Schedule**
- **Bell Schedule**

Event Log

Search Options

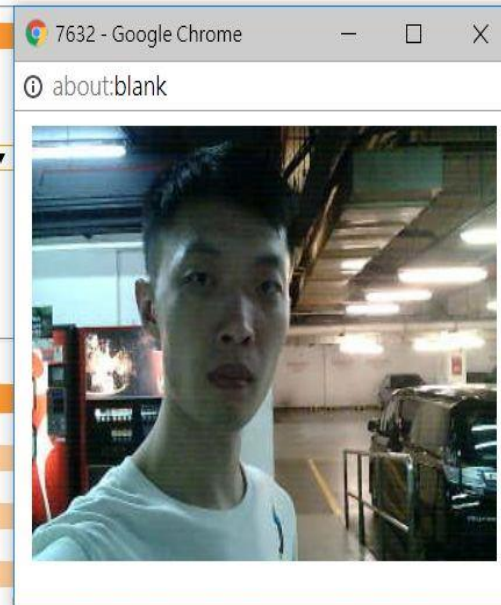
Name	ID
User <input type="text"/>	<input type="text"/>
Period	From
Time <input type="text"/> or <input type="text"/>	<input type="text"/> 2018 <input type="text"/> 8 <input type="text"/>
Department	Event
Others <input type="text"/>	<input type="text"/>

To 2018 8

Fill in the form to filter the report, or leave it blank for a full report

Event 1-35 of 10801

	User ID	Name	Department	Date Time
1	0830	--	General	2018/08/30 21:18:40
2	0830	--	General	2018/08/30 21:18:34
3	0830	--	General	2018/08/30 21:17:02
4	0830	--	General	2018/08/30 21:16:51
5	0830	--	General	2018/08/30 21:02:12
6	7589	PETER YEONG KUM KEI	F & B ADM	2018/06/27 17:34:22
7	A999	--	--	2018/06/27 17:34:21
8	A999	--	--	2018/06/27 17:34:19
9	7632	XUEYU ZHENG XUEYU	HSKG	2018/06/27 17:30:07



BOTTOM CASE IS ATTACHED	ACTATEK DEMO		#RDOOR#
OUT	ACTATEK DEMO	View Image	#FP#

Daily Report

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Terminal

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Terminal Settings

- Terminal Setup
- Authentication/Log Setup
- Terminal List
- Access Client Setup
- Door Open Schedule
- Bell Schedule

Daily Report

Search Options

Name	ID		
User <input type="text"/>	<input type="text"/>		
Period	From	To	
Time <input type="text"/> Today ▼	or	<input type="text"/> 2018 ▼ <input type="text"/> 8 ▼ <input type="text"/>	<input type="text"/> 2018 ▼ <input type="text"/> 8 ▼ <input type="text"/>
Department			
Others <input type="text"/>			

Fill in the form to filter the report, or leave it blank for a full report

Search

Export

Format TXT ▼

Report 1 of 1

<< < 1 > >>

	User ID	Name	Date	Weekday	First In	Last Out	Inside
1	0830	--	2018/08/30	Thursday	08:35:54	21:36:14	•

Report 1 of 1

<< < 1 > >>

Attendance Report

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Terminal

- Log Off
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User Administration

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Terminal Settings

- Terminal Setup
- Authentication/Log Setup
- Terminal List
- Access Client Setup
- Door Open Schedule
- Bell Schedule

Attendance Report

Search Options

User

Name

User

ID

Period

Time

Today ▼

or

From

2018 ▼

8 ▼

▼

To

2018 ▼

8 ▼

▼

Department

Others

▼

Fill in the form to filter the report,or leave it blank for a full report

Search

Export

Format

TXT ▼

Export

Reports 1 of 1

<< < 1 > >>

	User ID	Name	Date	Weekday	In Out	Total Working Hours
1	0830	--	2018/08/30	Thursday	08:35:54 21:36:14	13.01

Reports 1 of 1

<< < 1 > >>

Built-in DDNS support

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Terminal

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- Terminal List
- Access Client Setup
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- Bell Schedule
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- Terminal Clock
- External Devices
- **DDNS**

Terminal

- Cloud Storage Service
- SMS Service
- Alert Log

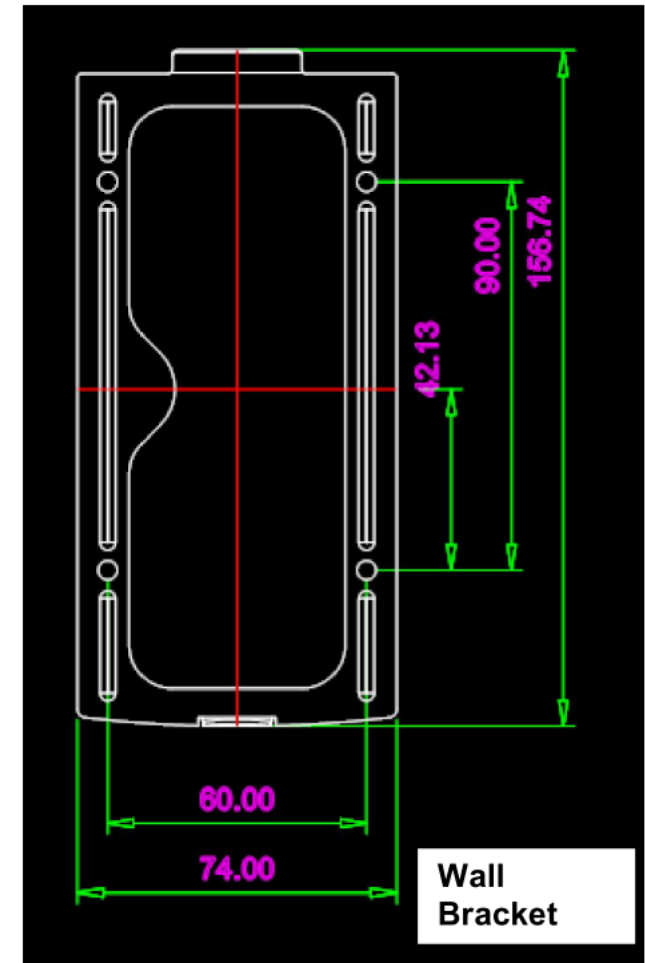
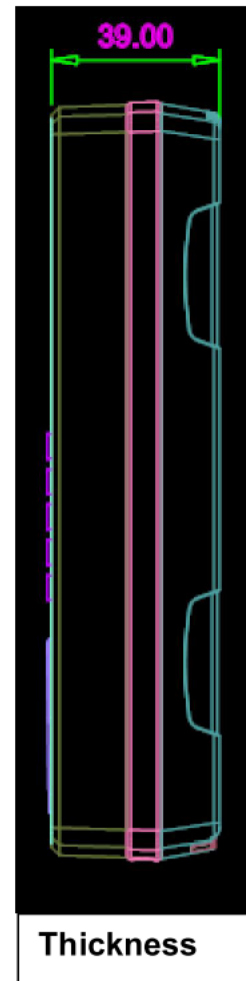
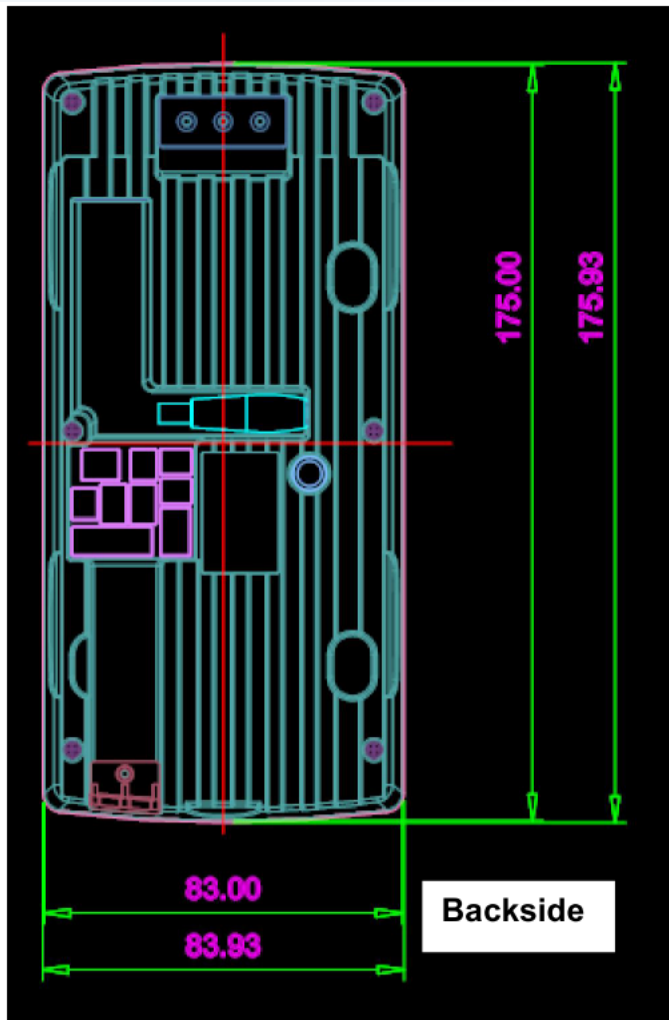
DDNS Setting

DDNS Service Provider	No-IP.com ▼
SSL	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Username/Email	actatek_ams
Password	*****
Host Name	jakinid.ddns.net
Update interval(seconds)	600 default is 600 seconds
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

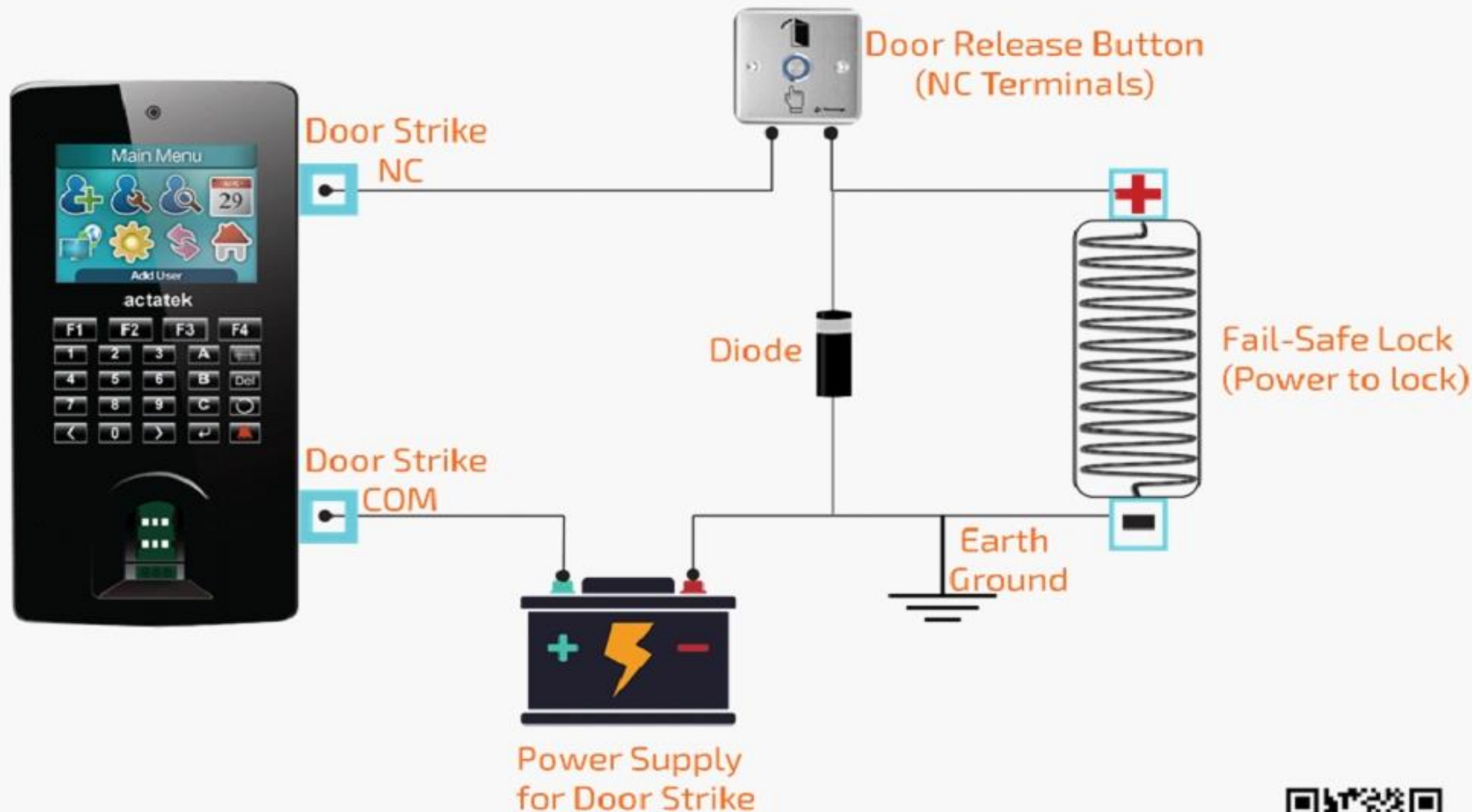
DDNS Status [Refresh DDNS Status](#)

```
Wed Mar 21 23:47:57 2018: Inadyn version 1.99.15 -- Dynamic DNS update client.
Wed Mar 21 23:47:57 2018: Resolving hostname jakinid.ddns.net => IP# 124.43.2.11
Wed Mar 21 23:47:57 2018: Checking for IP# change, connecting to ip1.dynupdate.no-
ip.com(34.200.153.135:80)
Wed Mar 21 23:47:58 2018: No IP# change detected, still at 124.43.2.11
Wed Mar 21 23:47:58 2018: Update forced for alias jakinid.ddns.net, new IP# 124.43.2.11
Wed Mar 21 23:47:58 2018: Sending IP# update to DDNS server, connecting to dynupdate.no-
ip.com(8.23.224.120:443)
Wed Mar 21 23:47:58 2018: Sending IP# update to DDNS server, initiating HTTPS ...
Wed Mar 21 23:47:59 2018: SSL connection using AES256-SHA
Wed Mar 21 23:47:59 2018: SSL server cert subject: /CN=*.no-ip.com
Wed Mar 21 23:47:59 2018: SSL server cert issuer: /C=US/O=GeoTrust Inc./CN=RapidSSL SHA256
CA
Wed Mar 21 23:47:59 2018: Successfully sent DDNS update using HTTPS!
Wed Mar 21 23:47:59 2018: Successfully received DDNS update response (207 bytes) using
HTTPS!
Wed Mar 21 23:47:59 2018: Successful alias table update for jakinid.ddns.net => new IP#
124.43.2.11
```

ACTA3 dimension



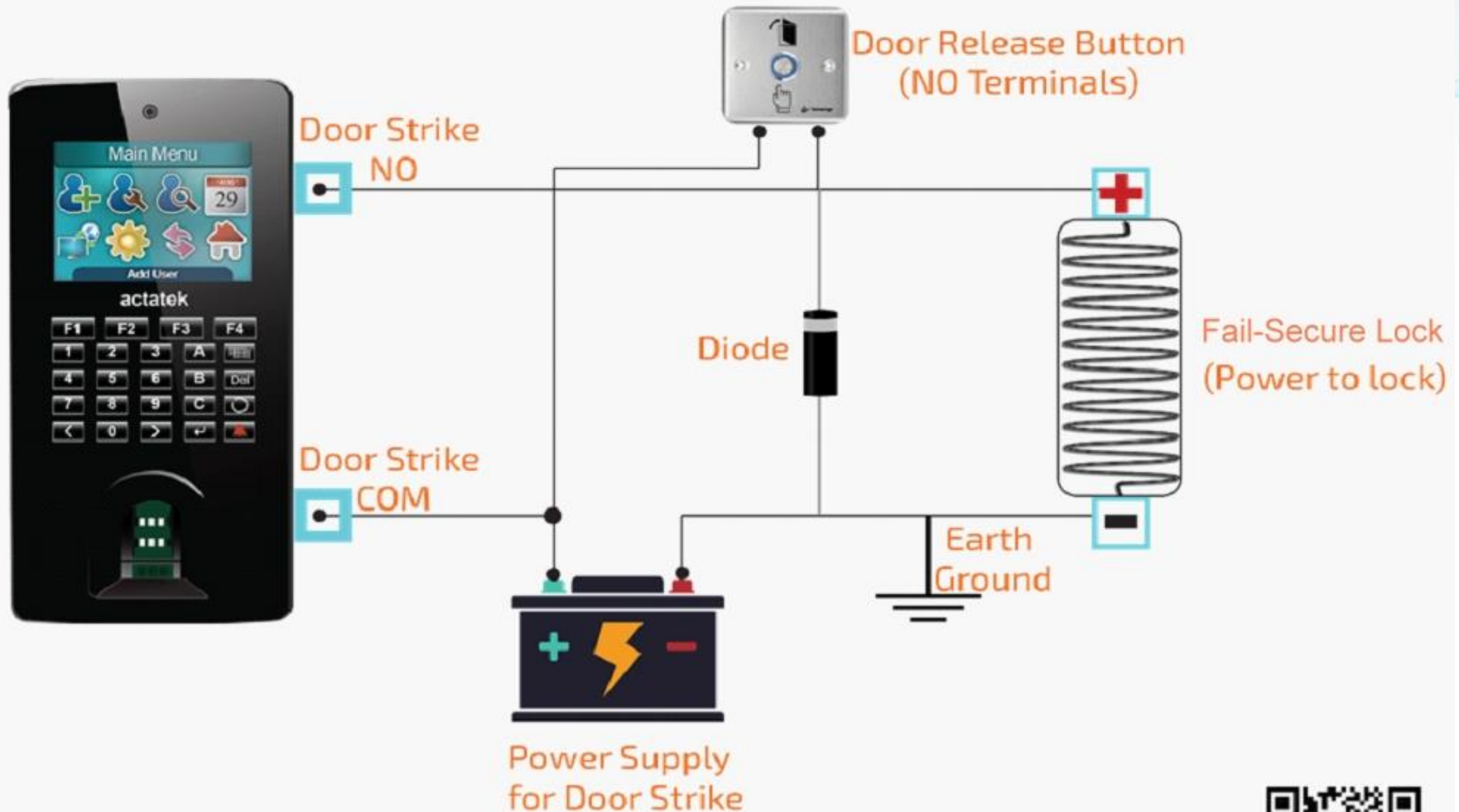
Connection Diagram for Fail-Safe Lock



1. ACTA3 support electric door lock that rating within 30V/5A
2. Independent power supply have to be provided for the electric door lock
3. Diode have to be installed to prevent back EMF



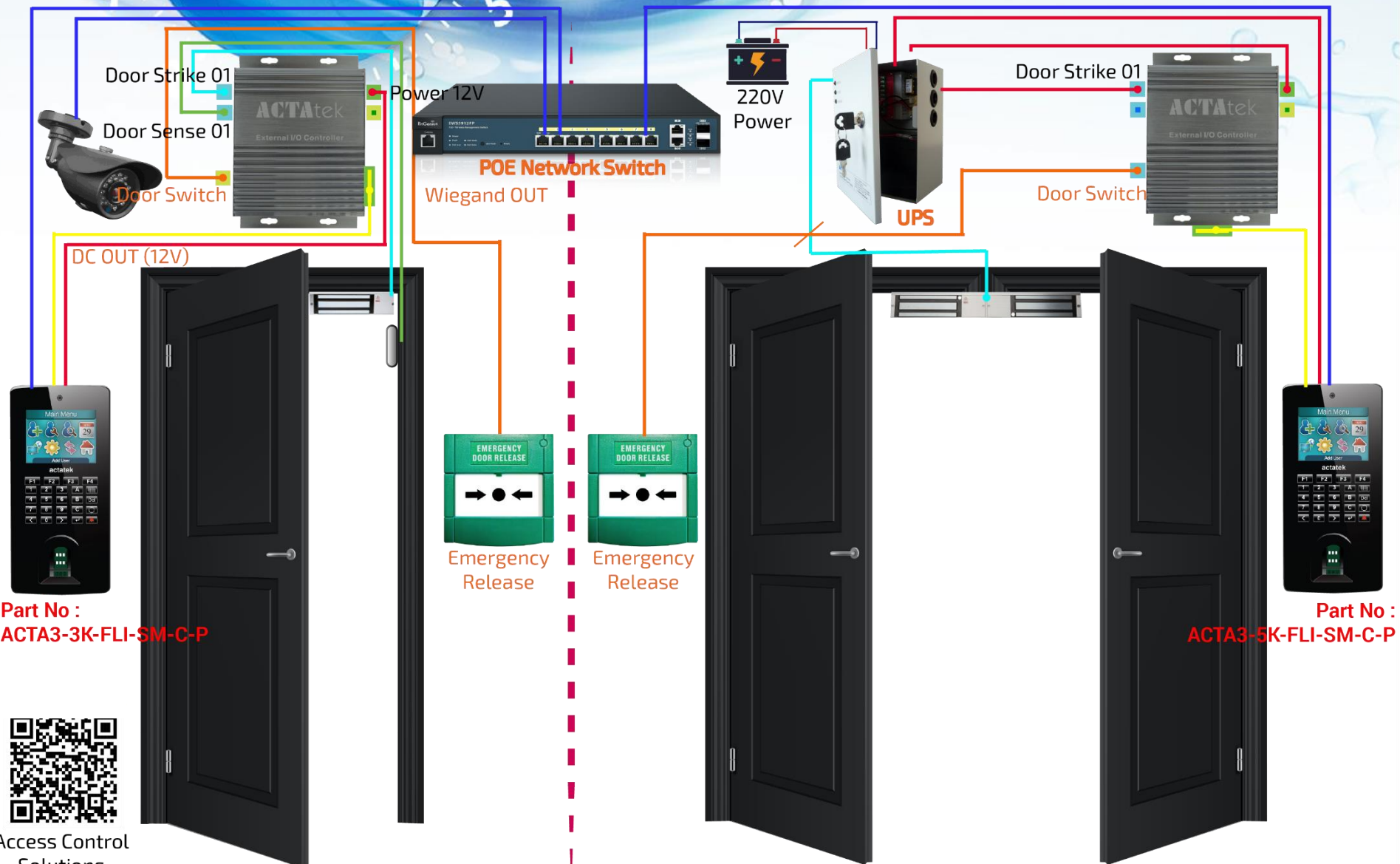
Connection Diagram for Fail-Secure Lock



1. ACTA3 support electric door lock that rating within 30V/5A
2. Independent power supply have to be provided for the electric door lock
3. Diode have to be installed to prevent back EMF



Typical installation of ACTA3 for single leaf & Double doors with IO Board



ACTA3 Video Camera



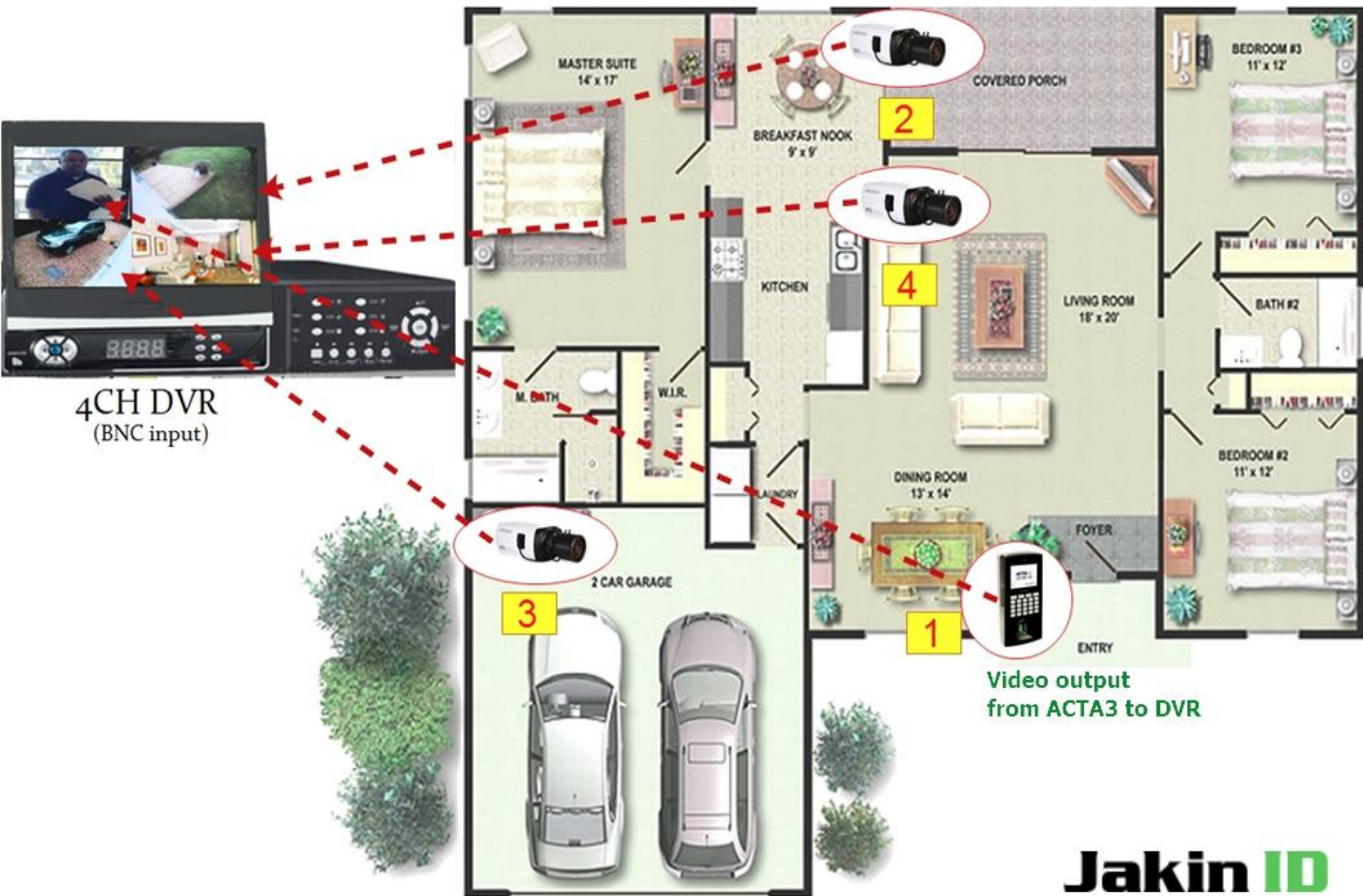
BNC Connector

ACTA3 Video Camera support including snapshot taken & streaming video output is available for monitoring/security purpose e.g. connected to DVR/NVR



Parameters	Values	Unit
Type supported	VGA CMOS	Unit
NTSC (M) output	712x486 (0.3megapixel)	Pixel
PAL	704x576 (0.4megapixel)	Pixel
Maximum Frame Rate	60 (@27MHz in NTSC) 50 (@27MHz in PAL)	FPS
Built in CMOS Camera	320 x 240 (0.1megapixel)	Pixel
ACTatek Part Number	ACTA3-1K-FLI-SHI-C	ACTA3

ACTA3 as Access Control system and as CCTV /DVR Video Surveillance system



ACTA3's Ecosystem

Jakin® ID

*Workforce
Management*



*Physical
Security*



Mobile Kit



ACTA3
Readers



IP Readers



Long Range
Reader



I/O
Board



LogiPrint
USB



ACTA3
UPS



Access Manager Suite

- Access Manager Varieties
 - Access Manager Suite – License Fee Applicable, single network
- Web based application for
 - Access Control
 - Time and Attendance
 - User Management
 - Terminals Management
 - Report Generation
- SOAP APIs
 - Third party application integration



ACTA3

-TCP/IP Network Interfaces



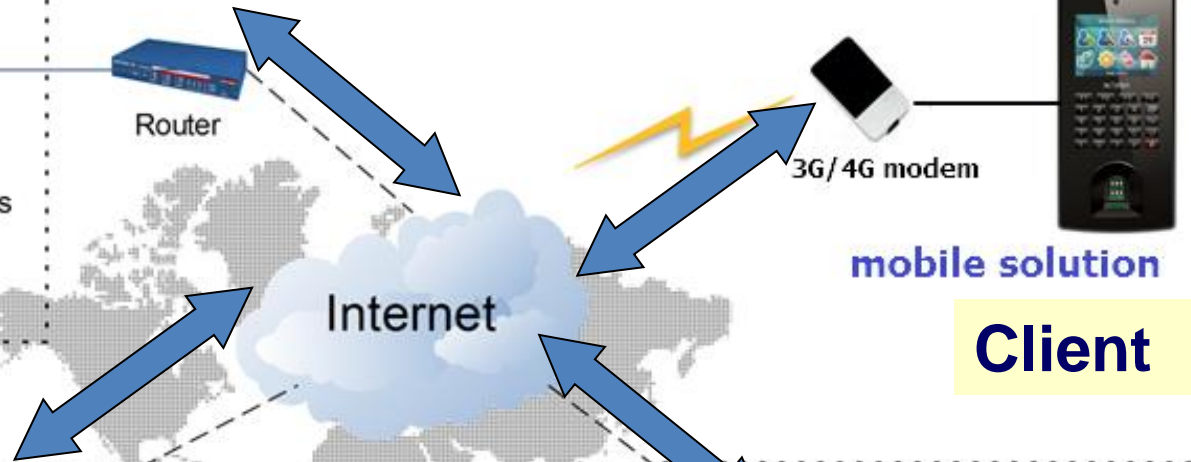
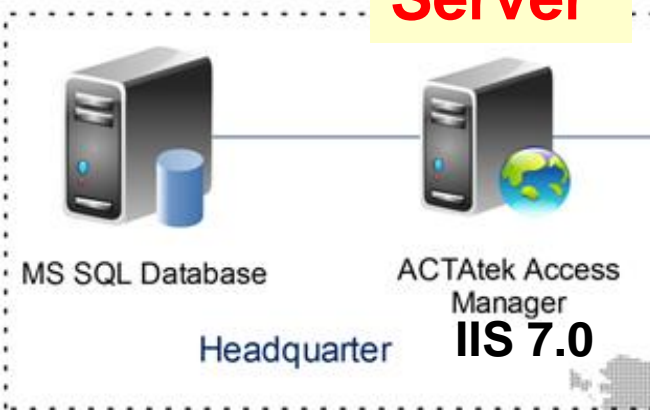
Access Manager series

- >Access Control
- >Time Attendance
- >Reports



Overview of AMS system Diagram

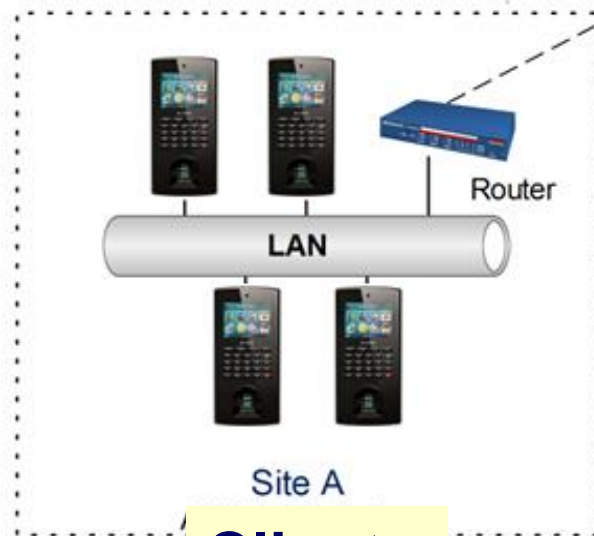
Server



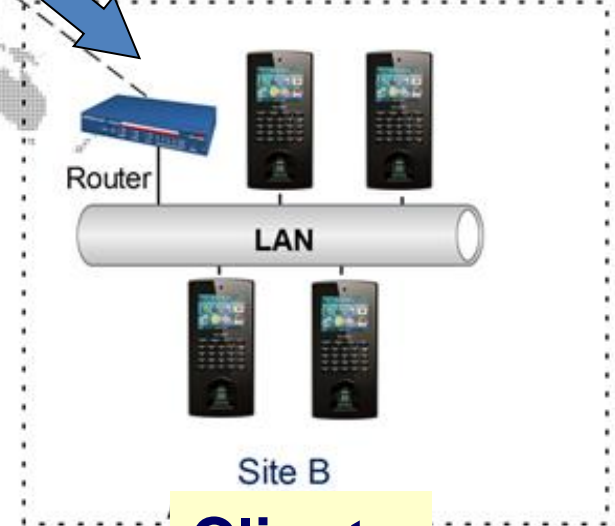
mobile solution

Client

Two-ways
communication
(SSL encryption)



Client



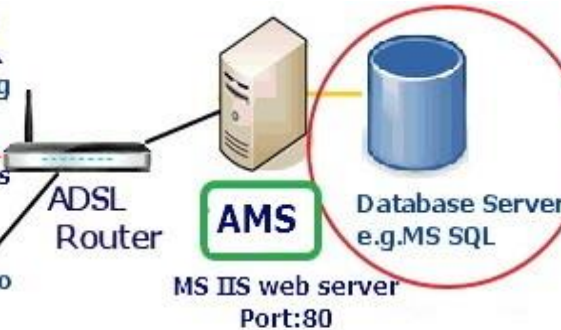
Client

Overview of AMS system Diagram

SERVER

Port-Forwarding
enable

Public IP address
210.14.12.168



The database server will store

- Event Logs data(the clocking)
- User data e.g.Smart Card no.

Head Office

Client



RJ-45



ADSL Router

connect to



connect to

-data push technology
-two ways communication

Remote Sites

192.168.1.100

Access Manager Suite screenshot

-Client-server application

http://118.142.30.184:7780/ACTatekAccessManager/frmEventLog.aspx - Windows Internet Explorer


http://118.142.30.184:7780/ACTatekAccessManager/frmEventLog.aspx

File Edit View Favorites Tools Help

http://118.142.30.184:7780/ACTatekAccessManager...


Selected log

Camera Snapshot:



Terminal
 Timestamp 2011-03-22 11:35:42 AM [(GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi]
 UserID 168
 First Name David Yang
 Last Name
 Department General
 Terminal SN 00111DA00007
 Terminal Name ACTatek
 Event IN
 Remarks #FP#

User Photo:



Number of logs: 10569

Terminal Timestamp	UserID	First Name	Last Name	Department	Event	Terminal SN	Terminal Name	Acti
2011-03-22 11:36:00 AM	168	David Yang		General	OUT	00111DA00007	ACTatek	Sele
2011-03-22 11:35:42 AM	168	David Yang		General	IN	00111DA00007	ACTatek	Sele
2011-03-22 11:35:18 AM	Unknown User				REJECTED	00111DA00007	ACTatek	Sele
2011-03-22 11:25:26 AM	168	David Yang		General	F2	00111DA0A122	ACTatek	Sele
2011-03-22 10:50:50 AM	168	David Yang		General	IN	00111DA0A122	ACTatek	Sele
2010-11-22 4:23:45 PM	0048	David		General	IN	00111DA0A122	ACTatek	Sele
2010-11-22 3:49:03 PM	0025	Bill		IT	IN	00111DA0A122	ACTatek	Sele
2010-11-22 3:46:51 PM	0022	Jeffery		IT	IN	00111DA0A122	ACTatek	Sele
2010-11-22 3:42:55 PM	0025	Bill		IT	IN	00111DA0A122	ACTatek	Sele
2010-11-22 3:07:29 PM	0022	Jeffery		IT	IN	00111DA0A122	ACTatek	Sele

1 2 3 4 5 6 7 8 9 10

Close Internet 100%

Absent Report

2010-11-01 - 2010-11-08

User ID	First Name	Last Name	2010-11-01 (Monday)	2010-11-02 (Tuesday)	2010-11-03 (Wednesday)	2010-11-04 (Thursday)	2010-11-05 (Friday)	2010-11-06 (Saturday)	2010-11-07 (Sunday)
007	GUO		Absent	Absent	Absent	Absent	Absent	Absent	Absent
014	AMK		Present	Present	Present	Present	Present	Present	Absent
015	Alvin		Present	Present	Present	Present	Absent	Absent	Absent
016	Patrick		Present	Present	Present	Present	Present	Present	Absent
017	Venc		Present	Present	Present	Present	Present	Present	Absent
018	Stanl		Present	Present	Present	Present	Present	Present	Absent
019	Doris		Present	Present	Present	Present	Present	Absent	Absent
020	Pricilla		Present	Present	Absent	Absent	Present	Absent	Absent
021	Victor		Present	Present	Present	Present	Present	Present	Absent

Reports including:

- Daily In/Out Report
- Detail Report
- Absent Report
- Late Report
- User Status Report
- Roll Call / Fire Report
- Auto In/Out Report

Deployment Architectures

The diagram illustrates a network setup. A black mobile phone is connected via an RJ45 cable to a white network switch. The switch is connected to a blue wireless antenna. The antenna is labeled 'RJ45' and 'WIRELESS'. The phone screen shows 'Mobi 123' and 'aktiv'. The switch has a red light and a blue light. The antenna has a blue signal icon.

The diagram illustrates the ACTA-D390-UHF system for controlling barriers. It features a central barrier with a red and white striped top section. A photocell is positioned to detect the barrier's position. The system is connected to an ADSL Router via a yellow cable. A UHF Reader is connected to the barrier's control unit. A Wireless Remote Control is shown with a blue signal icon. A WiFi Adapter (Optional) is connected to the system. The text "Controlling barriers" is written in a stylized font. The background is a light blue sky with a globe icon.

The diagram illustrates a Cloud Access architecture for Oracle HRMS. It features a central server rack labeled "Active Server (Online)" and a secondary server rack labeled "Passive Server 1 (Offline) (Optional for Disaster Recovery)". The central server is connected to a "Fiber Optic Network Switch" at the bottom. The switch is also connected to an "ISP Modem" on the left. The ISP Modem is connected to a "Cloud Access" icon on the far left. The central server is connected to three "Oracle Database" icons at the top. The central server is also connected to a "3rd Party HRMS Oracle DB" icon on the right. The central server is connected to a "Cloud Access" icon on the far right. The central server is connected to a "Cloud Access" icon on the far right.

The diagram illustrates a comprehensive access control system architecture. At the center is a **POE Network Hub**, which connects to a **WAN** and a **TCP/IP LAN**. The system is divided into two main entrance areas:

- Main Entrance 01:** Features an **OUT Reader** (ACTA3-10K-FLI-SHI-C-P) and an **IN Reader** (ACTA3-5K-FLI-SHI-P). It includes a camera, a **UPS** (Uninterruptible Power Supply), and an **IP Reader** for office registration. A revolving door is shown with the label **Controlling Revolving Door** and model **ACTA3ER-1K-SM**.
- Main Entrance 02:** Features an **IN Reader** (ACTA3-TK-SHI-P) and an **OUT Reader**. It includes a camera, an **I/O Board**, and a turnstile. A turnstile is shown with the label **Controlling Turnstile** and an **Exit Button**.

The system is designed to manage access through multiple entrances, utilizing various types of readers, cameras, and power management solutions, all interconnected via a central network hub.

WI-FI

POE Network Switch

Smart Time

ID-Video

Web/Mobile Access For Administrators

LogiPrint USB Device (HR registration of fingerprint users)

Key Features

- 1. The IOT provider and enabler for Big Data analysis.**
- 2. ACTA series of devices and Middle-ware enables:**
Integrated cloud-ready fingerprint and RFID PSIM (Physical Security and Information Management) and Work Force Management.
 - * Full web-and cloud IOT and software architecture.**
 - * All-in-one platform for Access Control, Video Surveillance, Time Attendant, HR and Payroll.**
 - * All devices service, maintenance and manage over the web.**
 - * An integrated platform for IOT and Big Data.**
- 3. Fingerprint Template files are encrypted with AES (256bit), and standards compliant with ANSI/INCITS 378, ISO 19794-2 AND ILO SID.**
- 4. Under Client (device), and Server architecture, the system can be extended to support unlimited devices, and user's data synchronize in real time via Internet cloud.**
- 5. Offering free middle-ware, SOAP/API for simple integrations with third party software.**
- 6. Data communication via 3G/4G modem, WiFi, VPN / Wiegand output with third party controller**
- 7. IP65-fluid ingress, dust, salt, fog Protection.**
- 8. Operation Tampere -20 C to 60C.**

Benefits

- Eliminate '**Buddy-Punching**': Use Biometric Verification for access as well as time & attendance
- Identify '**Phantom-Workers**': Use CMOS Camera photos taken or videos recorded at DVR to compare for isolating access events by suspicious unregistered personnel
- Minimize '**Effort & Costs**': Deploy Access-Control over existing IP networks, Simplify and Automate access reporting, time/attendance reports and integration into payroll systems
- Enhance '**Accessibility and Utilization**': Obtain decision making information over Ethernet/Wireless, Internet/3G, anytime/anywhere on Laptop, Smartphone or Tablet-pc using a true real-time, multi-door, multi-location at one system .
- Complete Security, '**Anytime, Anywhere** ': Ability to manage all sites from one interface ,and Report centrally, manage remotely

Accessories



3G GSM / WiFi Gateway Modem



Power Over Ethernet (PoE)



Mobile Battery



Fail Secure and Non-Fail Safe
Electric Door Strike



Fail-Safe Electromagnetic Lock



Contactless Push Button
[Normally Close and Normally Open circuit]



Break Glass [emergency door release]



ADA compliance mounting bracket



Uninterrupted Power Supply [UPS]



External I/O Box



Magnetic Strip / Barcode Readers



LogiPrint [USB Reader]

Mobile solution

- Mobile Kits
- 3G modem
- Unlock SIM free support
- Any ACTA3 model



Wireless MultiMode 3G Router

语言/Language

Summary Log File Sharing

Work Mode: 3G Wireless Router Mode

Wifi Clients: 2

3G Connect: Manual

3G ISP: User defined

Signal: 100%

SIM/UM Status: Available

3G Service: Valid service

3G Network: WCDMA

WAN Info:

Connection Type: 3G Wireless Dial Up(Connected)

IP Address: 10.196.123.203

Subnet Mask: 255.255.255.255

Gateway: 10.64.64.64

DNS 1: 168.95.1.1

DNS 2: 168.95.192.1

MAC Address: 2E:20:13:07:1E:11

Keep Time: 00:05:18

ACTAtek The worldwide leader in Web based technologies.

Event Log

Search Options

User: ID:

Period: or From: To:

Department: Event:

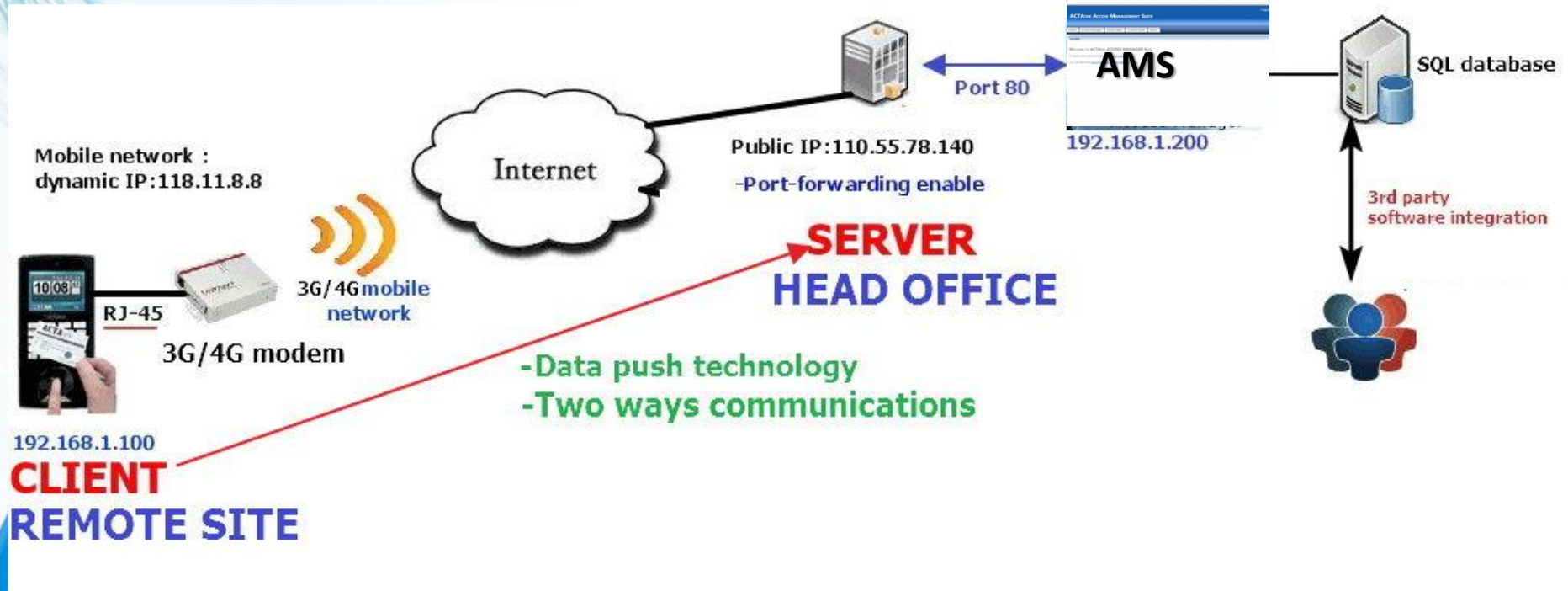
Others:

Fill in the form to filter the report, or leave it blank for a full report

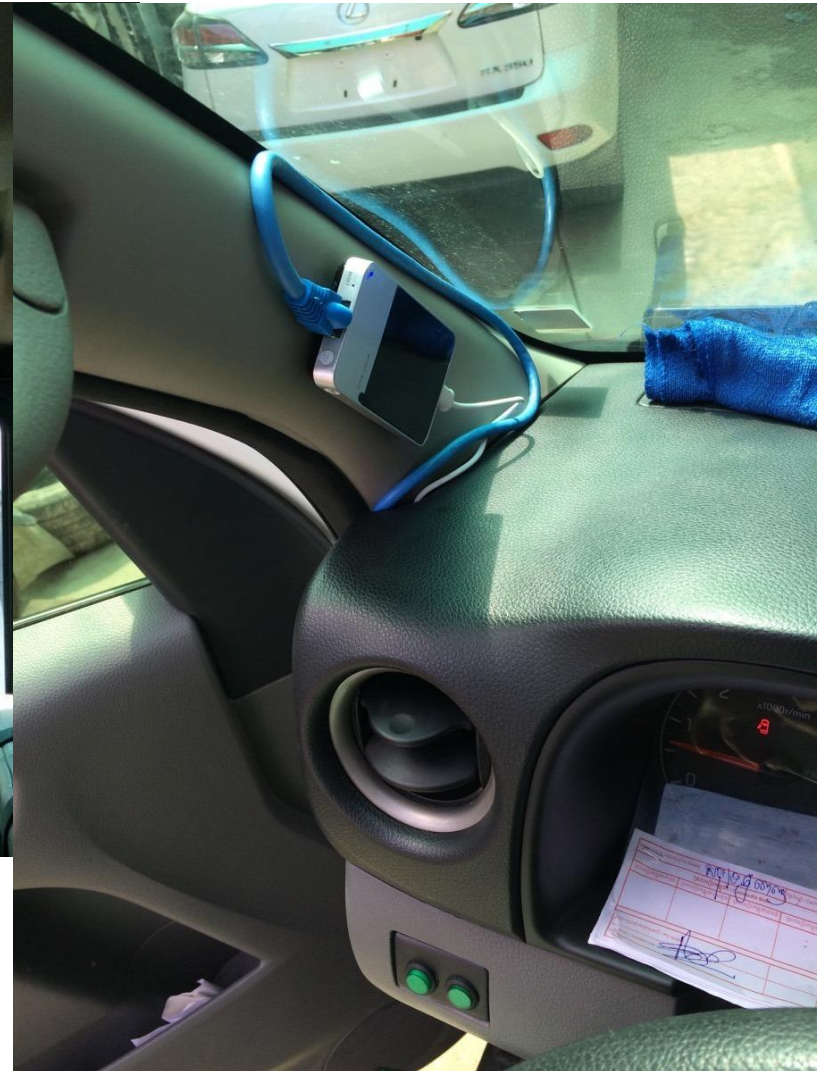
Event 1-31 of 31

Event	User ID	Name	Department	Date Time	Event	Terminal	Remark
1	88888	--	General	2015/03/19 17:57:54	IN	ACTAtek	#FP#
2	88888	--	General	2015/03/19 17:57:50	OUT	ACTAtek	#FP#
3	88888	--	General	2015/03/19 17:54:05	OUT	ACTAtek	#FP#
4	88888	--	General	2015/03/19 17:54:00	IN	ACTAtek	#FP#
5	88888	--	General	2015/03/19 17:53:00	OUT	ACTAtek	#FP#
6	88888	--	General	2015/03/19 17:52:56	IN	ACTAtek	#FP#
7	88888	--	General	2015/03/19 17:52:16	OUT	ACTAtek	#FP#
8	88888	--	General	2015/03/19 17:52:09	IN	ACTAtek	#FP#
9	88888	--	General	2015/03/19 17:27:50	OUT	ACTAtek	#FP#
10	88888	--	General	2015/03/19 17:27:13	IN	ACTAtek	#FP#
11	88888	--	General	2015/03/19 17:27:09	OUT	ACTAtek	#FP#

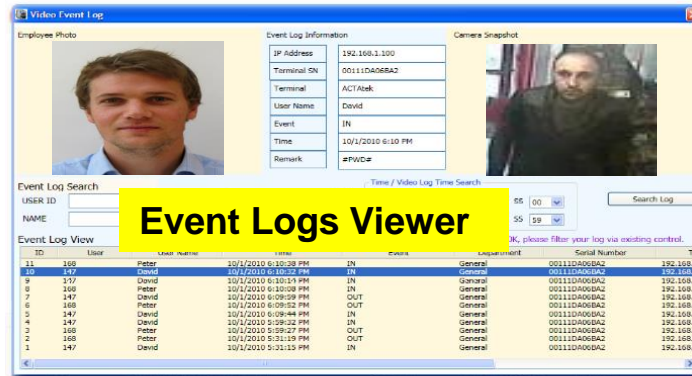
Mobile solution system diagram



Mobile solution installation example



System Overview of ID-Video solution



Event Logs Viewer



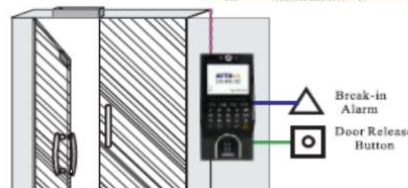
Video Surveillance



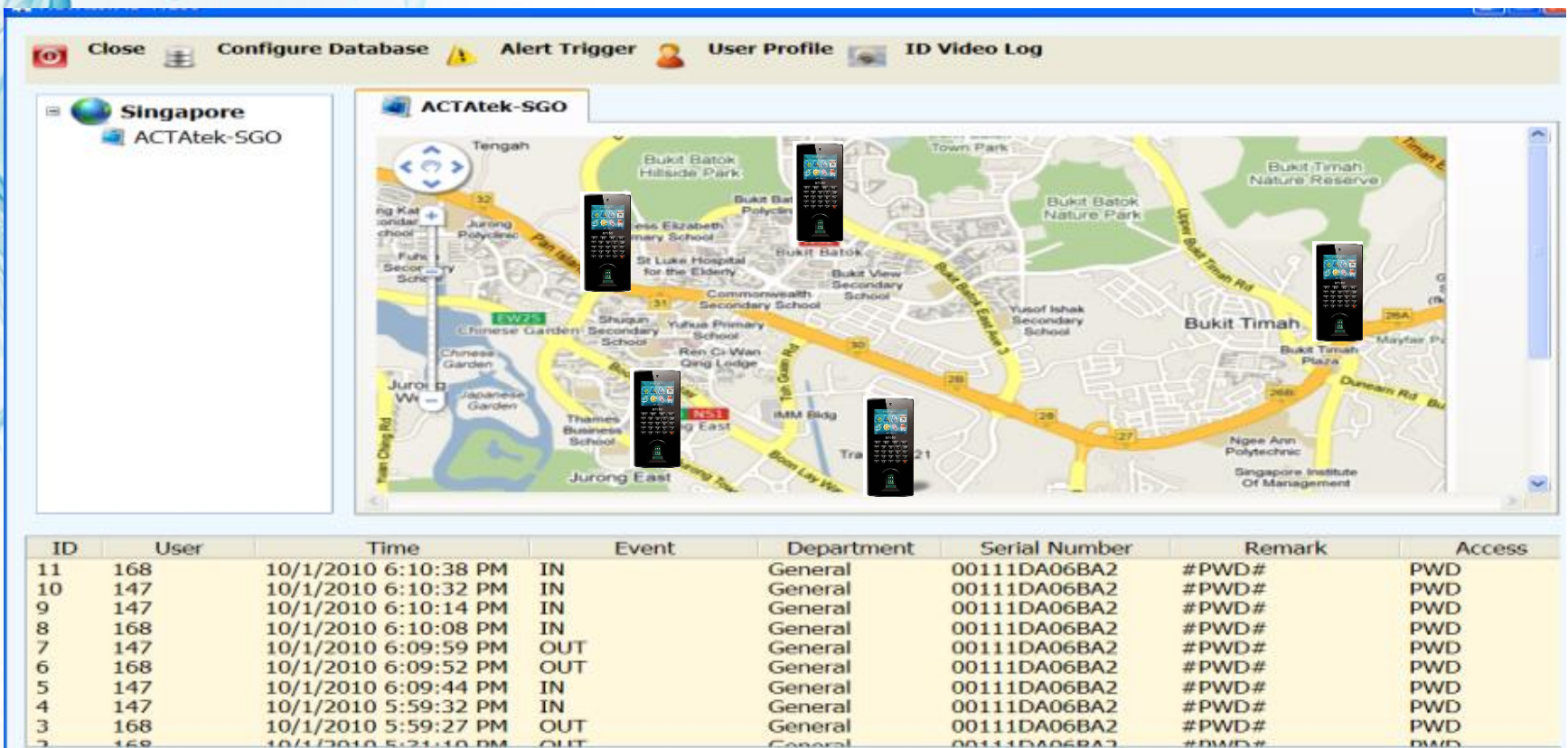
Playback Video clip files linked with Event Logs



2D Map Viewer



ACTatek3 guard your doors




Key features:

- Monitor and view real-time Event Logs under the 2-D Map.
- Administrator can pre-set the alerts event e.g. "DOOR IS OPEN". When the pre-set alert event happened, a blinking red color icon with alert beep sound will display on the 2-D Map to inform administrators.

Video Event Log


Employee Photo



Event Log Information

IP Address	192.168.1.100
Terminal SN	00111DA06BA2
Terminal	ACTatek
User Name	David
Event	IN
Time	10/1/2010 6:10 PM
Remark	#PWD#

Camera Snapshot



Event Log Search

USER ID FROM 10/1/2010 15

NAME TO 10/1/2010 15

Time / Video Log Time Search

HH 00 MM 00 SS 00

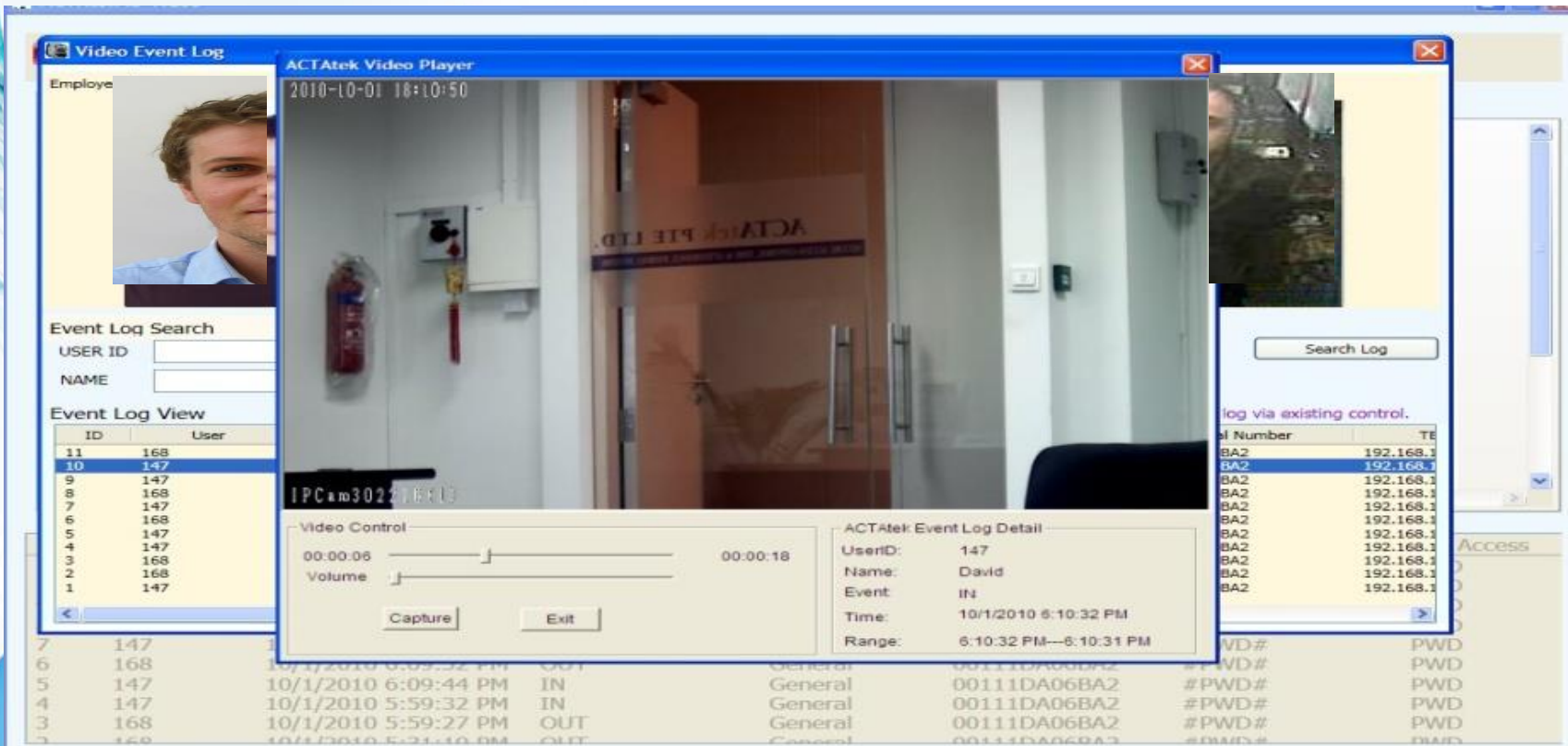
HH 23 MM 59 SS 59

Event Log View

Event log display limitation up to 10K, please filter your log via existing control.

ID	User	User Name	Time	Event	Department	Serial Number	TE
11	168	Peter	10/1/2010 6:10:38 PM	IN	General	00111DA06BA2	192.168.1
10	147	David	10/1/2010 6:10:32 PM	IN	General	00111DA06BA2	192.168.1
9	147	David	10/1/2010 6:10:14 PM	IN	General	00111DA06BA2	192.168.1
8	168	Peter	10/1/2010 6:10:08 PM	IN	General	00111DA06BA2	192.168.1
7	147	David	10/1/2010 6:09:59 PM	OUT	General	00111DA06BA2	192.168.1
6	168	Peter	10/1/2010 6:09:52 PM	OUT	General	00111DA06BA2	192.168.1
5	147	David	10/1/2010 6:09:44 PM	IN	General	00111DA06BA2	192.168.1
4	147	David	10/1/2010 5:59:32 PM	IN	General	00111DA06BA2	192.168.1
3	168	Peter	10/1/2010 5:59:27 PM	OUT	General	00111DA06BA2	192.168.1
2	168	Peter	10/1/2010 5:31:19 PM	OUT	General	00111DA06BA2	192.168.1
1	147	David	10/1/2010 5:31:15 PM	IN	General	00111DA06BA2	192.168.1

➤ Administrator also can view and compare the User Photos with the Snapshot Photos under ID Video Log.



- Administrator can easily monitor and view the Event Logs ,and also playback the recorded Video clips by defining the search timing. e.g. +/- 10 sec of Event Logs.

Thank you

