

# TouChecker+

*Guard Tour Checking System*



▼ Checking Machine



▼ Data Transmitter



▼ Check Point



# TouChecker+

*Most advanced Dual Interface Guard Tour Checking System with contact iButton & contactless RF-ID*

## Specific Features

- ▶ TouChecker+(TC-200) is an advanced Guard Tour Monitoring System from TouchChecker basic version(TC-100). TouChecker+ supplies dual interface function for Guard Tour data acquisition with contact iButton and 13.56 MHz RF-ID tag according to user choice. PC operating system also supplies various Guard Tour Reports printout for consumer selection with multiple language versions.
- ▶ TouChecker+ is composed of data acquisition reader TCR-200, data transmitter & battery charger TCB-200, contact iButtons & RF-ID tags for patrol spot and additional communication cables, power adapter, operating program CD & printed user manual.



### Robust body and perfect waterproof

Patroller can use at any weather condition and fatal shock from outside



### Maximum 10,922

Time stamped data on Checking Machine (optional 21,845)



### Long durability of Battery & quick recharge

Li-Ion Battery (3.7V/110mA)










### Unique dual interface function

Unique product with contact iButton & contactless RF-ID reader in the world.

This hybrid function gives more effective Guard Tour checking for consumer

## Product Configuration

Component Name	Model
 Checking Machine	TCR-200
 Data Transmitter	TCB-200
 Check Point	TCP/TCF-200
 Power Adapter	TCA-200
 Communication Cable	TCC-200
 Operation Software	TCS-200
 Bracket for TCP	TCK-200

## Application Area

- Guard Tour Monitoring and Management for Major Building and Apartment house
- The walk-around inspection for the prevention of disasters in major facilities such as Power supplier, Gas control and Railways etc.
- Monitoring and Inspection tour for the Facility in Construction field
- Monitoring and Safety inspection tour for Military and Police
- Facility Guard Tour monitoring for Government and Public office building

## Product Specifications

- ◇ Operating Voltage and Current
  - iButton 3.2V, 50mA
  - RF-ID 3.2V, 100mA
- ◇ Data Uploading Speed
  - 38,400bps
- ◇ Time & Data stamp memory
  - Max 10,922 (Optional 21,845)
- ◇ Number of data storage
  - 2Mbit Flash Memory
- ◇ Battery recharging Time
  - Li-Ion Battery
  - Every time of data transmission
- ◇ L.E.D indication
  - Red : Low Battery Fail / Blue : Normal
- ◇ Operating Temperature
  - -20~60°C
- ◇ Power Adapter
  - 110V/220V CE Compliant
- ◇ Dimension
  - TCR-200 (W×H×D) : 50×128×25mm
  - TCB-200 (W×H×D) : 64×142×55mm
- ◇ Weight
  - TCR-200 : 154g
  - TCB-200 : 120g

Contact / Proximity Hybrid Function  
Guard Tour Checking System

## TouChecker+ (TC-200)



## Specifications

**TouChecker+**



Most advanced Guard tour checking and monitoring system  
using contact iButton™ & proximity RF-ID Tag  
For user, they can select the data interface method case by case

- ❖ Excellent waterproof & robust surface
- ❖ User friendly data interface and battery recharging
- ❖ Electronic power saving from auto power-on technology
- ❖ Easy control operating program on PC
- ❖ 100% reliability of the guard tour and time records through the regular data synchronization

## Why TouChecker+ ?

### ➔ Maximize Efficiency with Minimum Cost

#### 1) High Efficiency

- Efficient management & supervision over patrol, security checker and patrol checking point
- Information sharing through patrol network for increased efficiency of work
- Convenient search and practical use with computerized patrol activity information
- Secure access to user information.

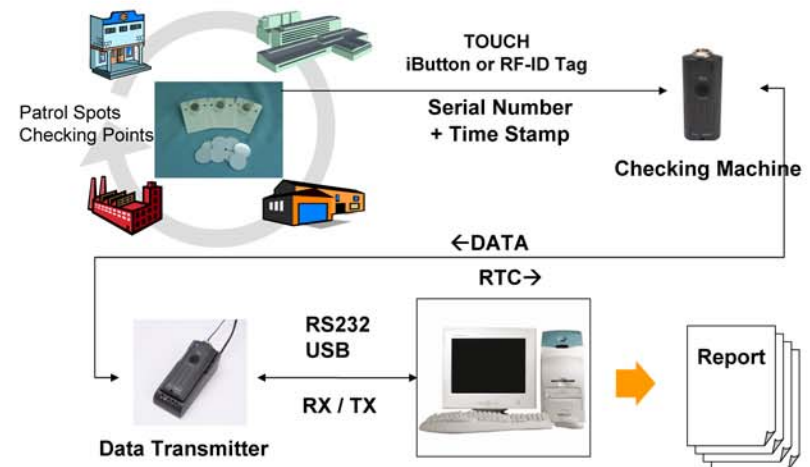
#### 2) Easy Access

- Easy installation / No separate security line / Easily movable checking point Button/RF Tag
- Easy extension : more than 5,000 patrol points
- Easy control and comfortable carriage & No special computer skill necessary
- Wide range of application with any computer system
- Completely weather-proof and Long durability

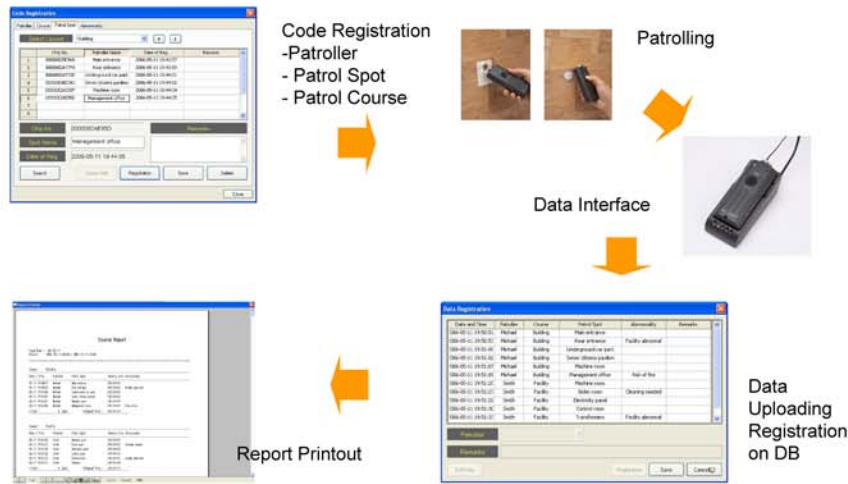
#### 3) Low Cost

- No additional costs after purchase
- Minimum maintenance cost and quick after-sales service & 1 year warrant

## Operation Flow



# Operation Program



# General effect after using

- ➔ 1. EVALUATION
- 2. CUT DOWN BUDGET

Before		After
Uncertainty	✓ Operation Duties	Clear (Digital Report)
not Measurable	✓ Efficiency of work	Measurable(Analyzable)
Increasing	✓ Management Affairs	Reducing

# Application Scope

- ➔ **General Sector**
  - ✓ Guard Tour Management
  - ✓ Facility Safety Check
  - ✓ Entrance & Exit Control

Intelligent Building	▪ Hyundai Heavy Industry
Hotel	▪ Hotel LOTTE, Hilton etc.
Department Store	▪ LOTTE, E-Mart etc.
Apartment Building	
- ➔ **Industrial Sector**
  - ✓ Facility Safety Check
  - ✓ Production Line Check & Management

Plant & Factory	▪ Samsung, Hyundai etc.
Hospital Nursing Home etc.	▪ Mother of Mercy Hospital
- ➔ **Public Sector**
  - ✓ Regional Patrol Management
  - ✓ Facility Maintenance etc.

	For Police Agency, Military etc.
	For Post Office, Government Complex etc.

# Major Partners

- ❖ S1 Corporation  
S1 is a total security provider, the largest in Korea & Japan
- ❖ S-Tec SYSTEM Co., Ltd.
- ❖ Honeywell Korea, Japan, HK etc.
- ❖ Samsung SDS Co., Ltd.
- ❖ AMANO Group worldwide

## Reference

### Government Offices and Public Agencies etc.



Seoul Metropolitan Government



National Intelligence Service



Chungnam Regional Communications Office



National Police Agency

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## Reference

### Plant and Factories



Samsung HI



KEPCO Atomic Energy Generation



Nam Hae Chemical Corporation



KEPCO Steam-power Generation

### Intelligent Buildings & Shopping Center



Doosan Tower



KT (Korea Telecom)



LOTTE Shopping



LG Shopping

## Reference

### Other Reference List

- |                                   |                              |                                    |
|-----------------------------------|------------------------------|------------------------------------|
| ❖ Samsung Electronics Co., Ltd.   | ❖ Hyundai Department Store   | ❖ Samsung Life Insurance Co.       |
| ❖ LG Electronic Inc.              | ❖ Shinsegae Department Store | ❖ SAMS Co., Ltd.                   |
| ❖ Hynix Semiconductor Inc.        | ❖ E-Mart                     | ❖ Samsung SDI                      |
| ❖ Korea Gas Safety Corporation.   | ❖ Samsung TESCO              | ❖ Korea Telecom Freetel Co., Ltd.  |
| ❖ DEPCO Co., Ltd.                 | ❖ Mega-Mart                  | ❖ National Museum                  |
| ❖ Taeyoung Corporation            | ❖ Hotel Lotte                | ❖ Shinhan Bank                     |
| ❖ LG-CALTEX Oil Corporation       | ❖ Hyatt Hotel                | ❖ Korea First Bank                 |
| ❖ Cheil Chedang Corporation       | ❖ JW Marriott Hotel          | ❖ Benedict Golf Link               |
| ❖ The Coca cola company           | ❖ Hilton Hotel               | ❖ Sangmyung University             |
| ❖ Hyundai Petrochemical Co., Ltd. | ❖ Hyundai Motors             | ❖ Seoul Metropolitan Police Agency |



## Reference

### Overseas Distributors Location



### Applications

#### General sector

1. Guardian/Patrol Management
2. Facility Safety Check
3. Management of Communication
4. Entry and Exit Control
5. Restaurant Management
6. Vehicle Control

#### Public sector

1. Telecommunication Facility Management  
(Telephone Booth, Radio and Cable Communication Facilities)
2. Police Agency, Police Station : Regional Patrol Management
3. Electricity Facility Management(Cable, Power Plant.)
4. Military Patrol Management
5. Government Complex Management

#### Industrial sector

1. Facility Check in Huge Factory
2. Production Line Check and Management
3. Safety Check in Construction Site
4. Stock Management
5. Hospital Management

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## Technical Reference

### Composition of TouChecker+



- 1) Checking Machine(TCR-200) 1 Pcs
- 2) Data Transmitter & Charger(TCB-200) 1 Pcs
- 3) Checkpoint Chip (i-Button), RF-ID Tag 10 Pcs
- 4) Power Adapter 1 Pcs
- 5) Serial/USB Cable 1 Pcs
- 6) Operating Software (Windows) 1 Pcs
- 7) Leather Carrying Case 1 Pcs

Accessories item in 1 Package

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### TCR-200



Material	▪ PC
Dimension (W×H×D)	▪ 50x128x25 (mm )
Weight	▪ 154g
Memory Capacity	▪ 64Kbyte EEPROM
ID Storage Capacity	▪ 10,922 points (ID + Time & Date stamp)
LED Visual Indicator	▪ Able to indicate LED with check and alarm status
Battery	▪ Li-Ion Battery (3.7V/1,100mA)
Temperature	▪ - 20 °C~ 54 °C

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### TCB-200



Material	▪ PC
Dimension (W×H×D)	▪ 64×142×55 (mm )
Weight	▪ 120g
Data Transmission	▪ Docking Concept
Recharging Method	▪ While every Data Transmission
Power Adapter	▪ AC 110V / 220V
Communication	▪ RS-232, Baudrate 38,400 bps

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## COMPARISON TOUCHECKER+ (TC200) WITH EARLIER VERSION TOUCH CHECKER (TC100)



**Composition of Touch Checker**

► **Product Configuration**

Component Name	Model	Quantity
Checking Machine	TCR-100	1
Data Transmitter	TCB-100	1
Power Adapter	TCA-100	1
Communication Cable	TCC-100	1
Check Point Button	TCP-100	20
Operation Software	TCS-100	1
Bracket	TCK-100	20

1. Checking Machine 2. Data Transmitter 3. Check Point Button  
4. Power Adapter 5. Communication Cable



**Composition of TouChecker+**

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5. Serial/USB Cable 1 Pcs
6. Operating Software (Windows) 1 Pcs
7. Leather Carrying Case 1 Pcs

Accessories item in 1 Package

ITEM	TouchChecker	TouChecker+
<b>Model No.</b>	TC-100	TC-200
<b>ID Access</b>	Touch Memory	Touch Memory & RFID
<b>Battery</b>	Ni-MH 3.6V 500mA	Li-ion 3.7V 1,000mA
<b>Running time</b>	appx. 1 month	appx. 2 month
<b>Data Uploading Speed</b>	19,200bps	38,400bps
<b>Time &amp; Data stamp Capacity</b>	5.038	10,922(21,845 Optional)
<b>Memory</b>	64KByte	2MBIT Flash
<b>Weigh</b>	150g	154g
<b>Physical</b>	Alumimum	PC
<b>Sensor Head</b>	Nikel Plate	Stainless Steel(STS303)
<b>Communication</b>	RS232 Serial Port	RS232 Serial Port or USB
<b>Waterproof</b>	IP54	IP65
<b>Components</b>		
<b>CHECKING MACHINE</b>	TCR-100 (1PCS)	TCR-200 (1PCS)
<b>DATA TRANSMITTER</b>	TCB-100 (1PCS)	TCB-200 (1PCS)
<b>POWER ADAPTER</b>	TCA-100 (1PCS) 12V 500mA	TCA-200 (1PCS) 5V 1.5A
<b>COMMUNICATION CABLE</b>	TCC-100(For Serial) (1PCS)	TCU-200(For USB) (1PCS)
<b>CHECK POINT CHIP</b>	*TCP-100 (20PCS)	*TCP-200 (10PCS)
<b>BRACKET</b>	*TCK-100 (20PCS)	*TCK-200 (10EPCS)
<b>PROGRAM(For Windows)</b>	TCS-100 (1PCS)	TCS-200 (1PCS)
<b>RFID Tag</b>	X	TCF-200 (10PCS) <span style="color: red;">Optional</span>
<b>USB Cable</b>	X	TCC-200(For Serial) <span style="color: red;">Optional</span>

**\* Remark : TCP & TCK have same specifications, colour and demensions, etc.**