

Introduction

Since 1964

" 52 Years of experience in Window Industry"



Headquarter and Seoul office

Location

Headquarter: 21, Daedunsan-ro 255beon-gil, Jung-gu, Daejeon, Korea

Seoul Office: 212-2, Nonhyeon-dong, Gangnam-gu, Seoul, Korea

Factory: 369, Boksu-ro, Boksu-myeon, Geumsan-gun, Chungcheongnam-do, Korea

Main Business

Smart security mesh (Winguard), PVC Windows, Self-Security

Sales

About \$ 20 million (2015)

\$30 million (2016 Estimate)

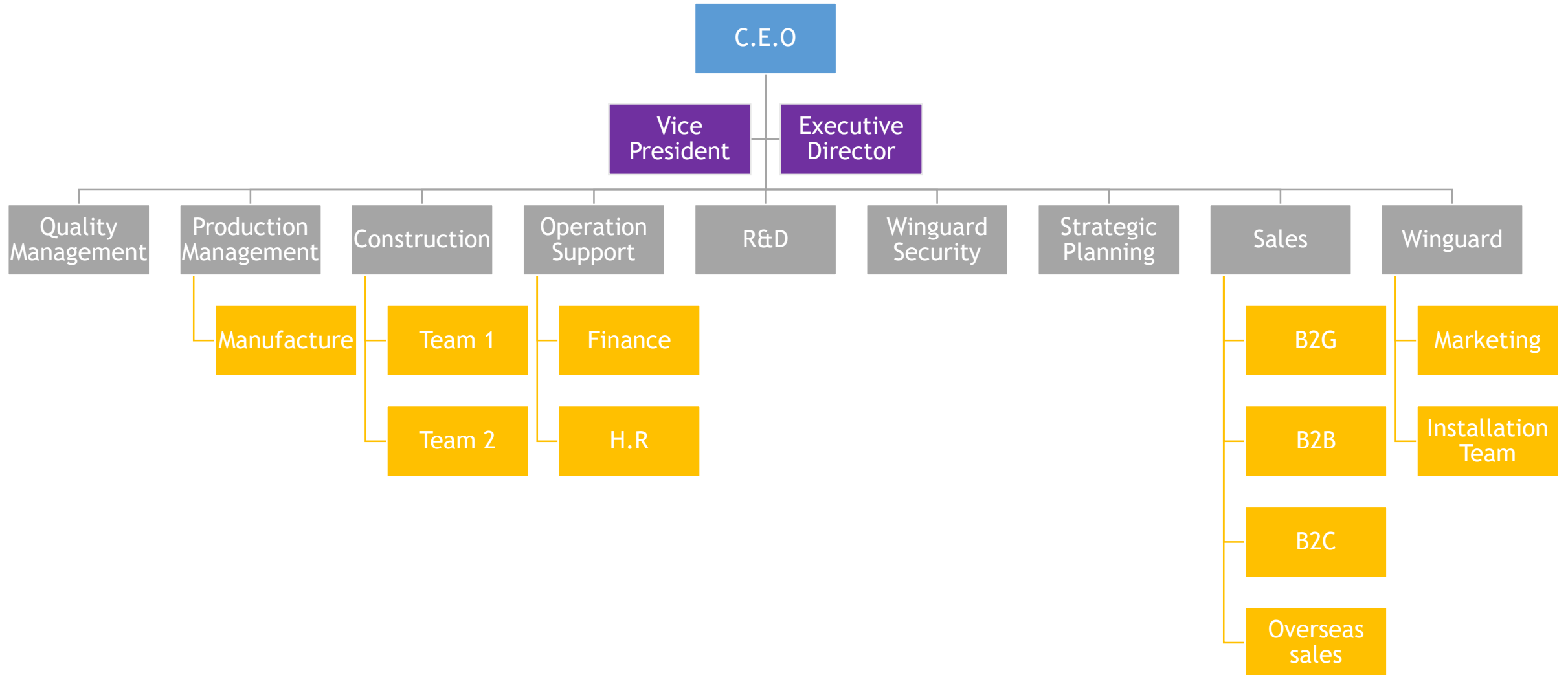
Factory



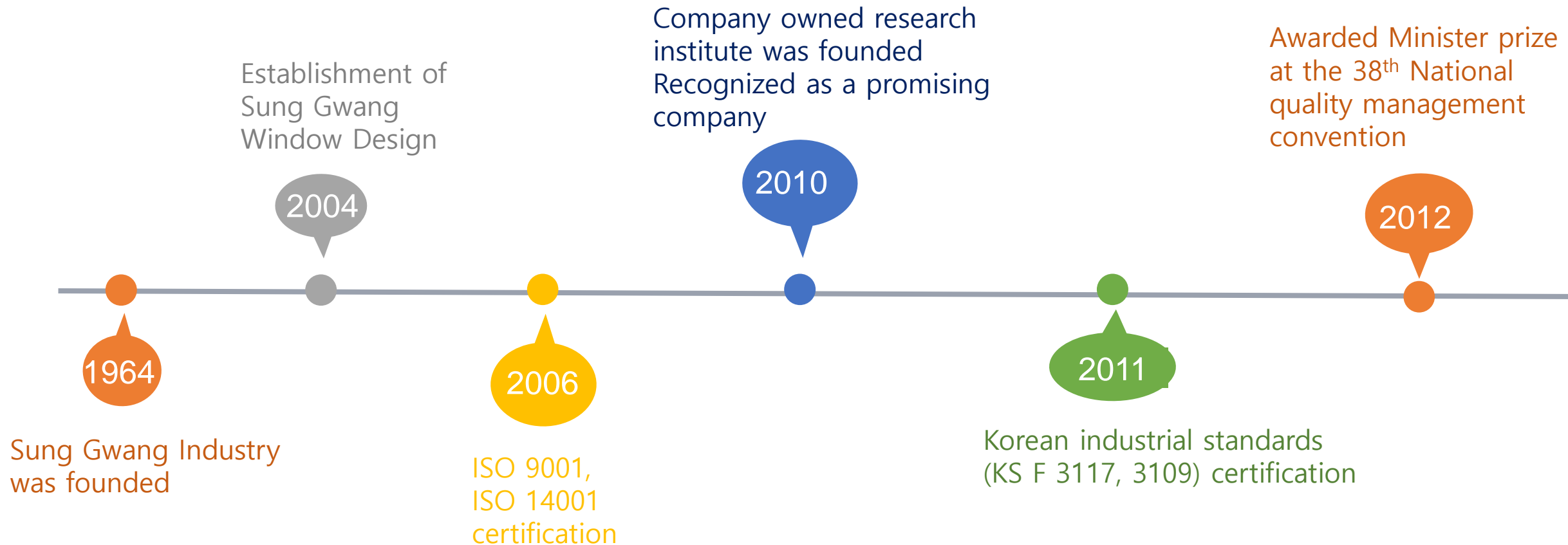
Area: 18,000m² (Geum San, Korea)

Equipment: 3 Cutting Equipment/ 2 Processing Equipment/ 1 Corner Clamping Equipment/
4 Mechanical Equipment for Components/ 2 Other Equipment

Organizational Structure



History



History

2013

Released the Smart security window mesh "WINGUARD"
Received grand prize for Korean Product Innovation as well as Korean Economic Creation

2014

Awarded new technological innovation
Certification of Performance Requirement
Registered in excellent procurement

2014

Appointed as overseas procurement advanced company (PQ)
Appointed self product assurance company
Addition of green remodeling department to business area

2015

Received grand prize for Korean Product Innovation
Awarded Korean technological business owner
Grand Prize for product innovation
Security department was newly formed

2015

Successful development of "WINGUARD II"
Changed the name to Sung Gwang Unitech

2016

Received Jang Young Sil Award,
Passed at the 4th grade of invasion resistance test in KCL
Certificated the diamond grade of 'Security Standard Safety' in Korea CPTED Association



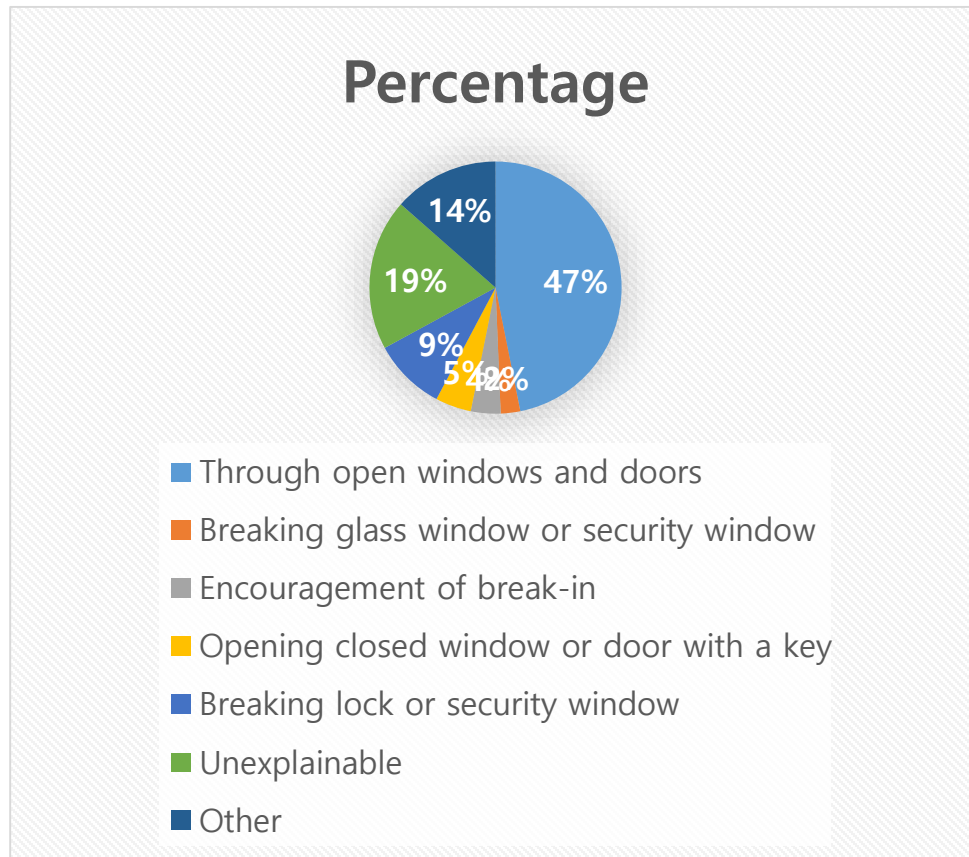
Home Security! Change your window first
Smart Security Mesh Screen, WINGUARD

Overview

- 01. Problems
- 02. Solution
- 03. Technology Description
- 04. Product Specifications
- 05. Recent Work
- 06. Awards, QC and Patent
- 07. Advertisement

01. Problems with current windows

70 Percent of Housebreaking happens through windows and doors



Is your house safe? Can they be solved?

02. Solution

Advantages of installing Smart Security mesh, WINGUARD



Prevent vacant home from burglary
(Impact resistant to 1,000kg and up)



Any housebreaking attempts are notified
through smart phone any time of day



Protect children from falling out of their
home



Prevent any intrusions caused by
accidentally leaving door unlocked



Safe without prison bars



Quick escape during fire evacuation



First company in Korea to implement
insurance service



Half permanent (Can be used for at
least 10 years)

03. Technology Description

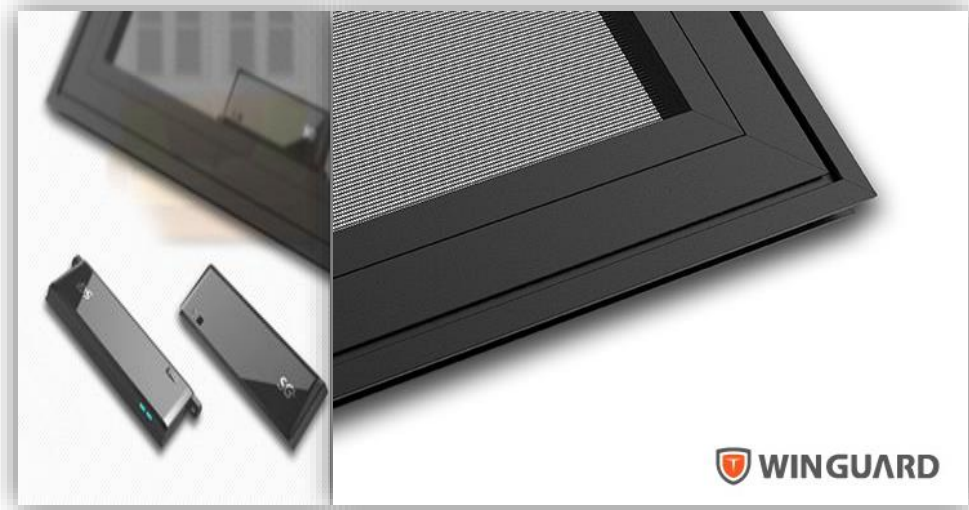
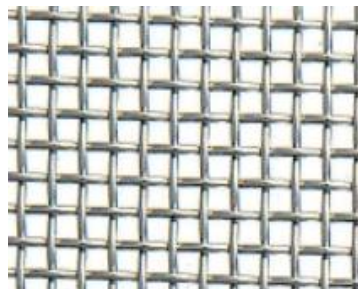
Smart Security Window "WINGUARD", opening the world with IoT

WINGUARD is a combination of window and guard. IT and BT technologies were applied on a mesh. It is the latest **anti-crime window system** incomparable to the basic window mesh. It is made of stainless steel and can **endure up to 1,000kg** of weight. It also comes with a set of ICT sensors which prevent housebreaking and automatically alert house owners through smart phones.



04. Product Specifications

04-1. Security Mesh



	Security Mesh	Safety Mesh
Mesh	SUS304/ thickness: 0.7mm	SUS304/ thickness: 0.4mm
Degree of Strength	Impact resistant up to 10,513N (1ton) (Can't be damaged by tools such as knife or axe)	
Frame	AL Frame, SUS304 / Black, White	
Lock	Automatic lock (Manual lock is also included)	
Main Function	Security reasons(no need for prison bars), Pest control	Security reasons(no need for prison bars), Pest control
Applicable floors	<i>low, high</i>	<i>middle</i>

04. Product Specifications

04-2. Sensor Set (transmitter/ receiver) *Internet is necessary



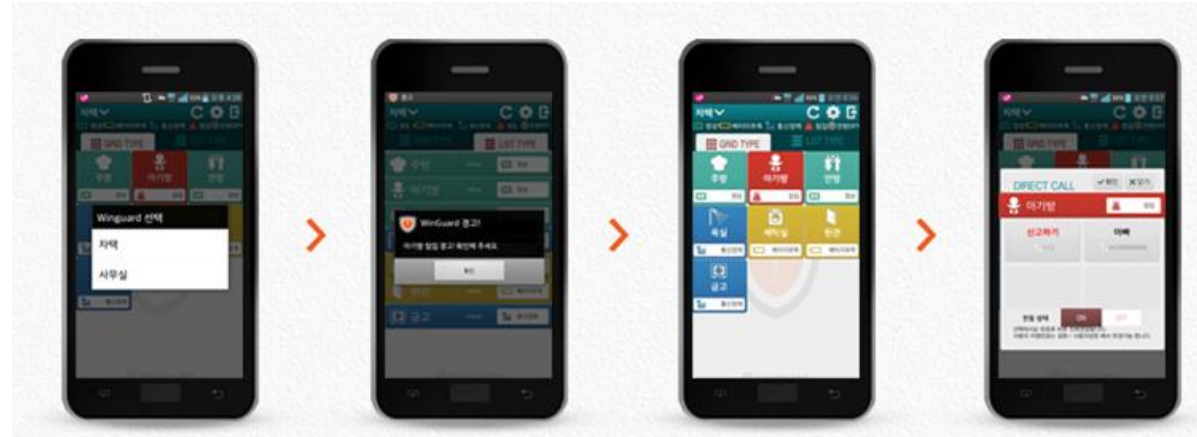
- Model Name: HS501W(for window)/ HS501D(for door)
- Battery: DC3V(2 AAA battery)
- Electric consumption: Maximum 150mA
- Transmission frequency: 447MHz
- Transmission distance: Maximum 500m(Depends on surroundings)
- Sensor : inclination sensor 20"/3cnc Gyro sensor $\pm 16g$
- Size: 52mm*16mm*15mm



- Model Name: HS501
- Power: DC5V
- Electric consumption: Maximum 300mA
- Transmission frequency: 447MHz/FSK
- Register up to 12 sensors
- Size: 110mm*80mm*20mm

04. Product Specifications

04-3. Smart phone application



- IOS Android APP
- 24/hrs Monitoring
- Main function: intrusions/communication failure/low voltage alarm
- Other functions : internet failure, power outage alarm

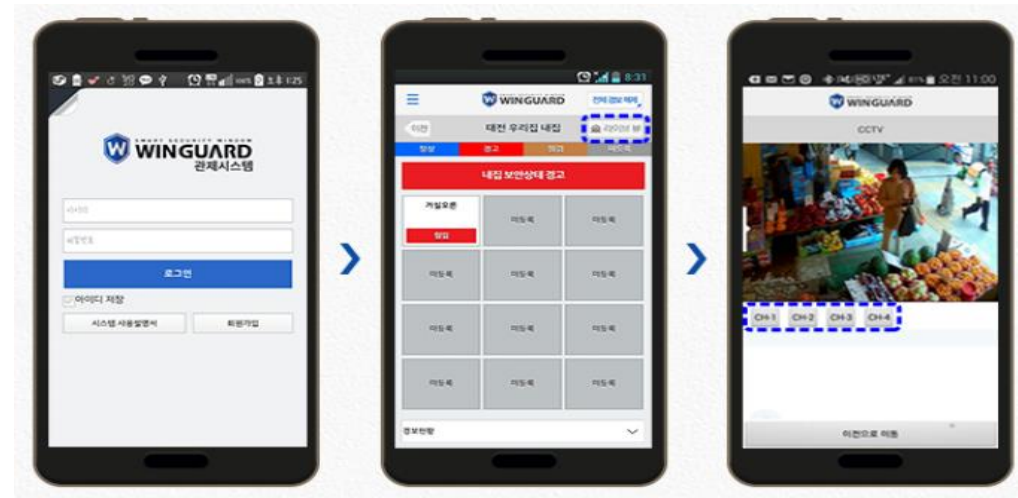
04. Product Specifications

04-4. WINGUARD Video Security(CCTV)



1. Camera (CCTV)

- AHD 1.3 Megapixels 720p Resolution
- Dome(Fixed)
- 4CH



2. Recorder(DVR)

- Storage capacity: 1T / High definition, analog HD 720p
- FULL HD Video Output
- 4CH

04. Product Specifications

04-5. Double Lock (Automatic/Manual)



Automatic lock

- Handle + Automatic Lock
- Prevent intrusions caused by accidentally leaving a door unlocked
- Quick escape in emergency



Manual lock

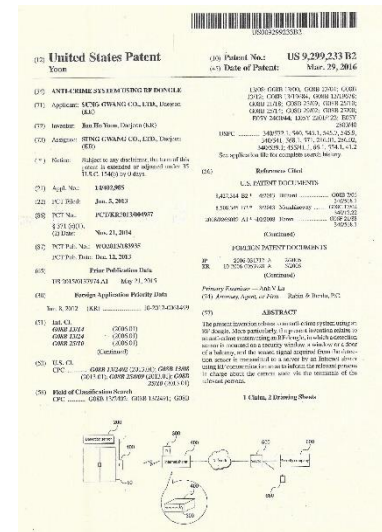
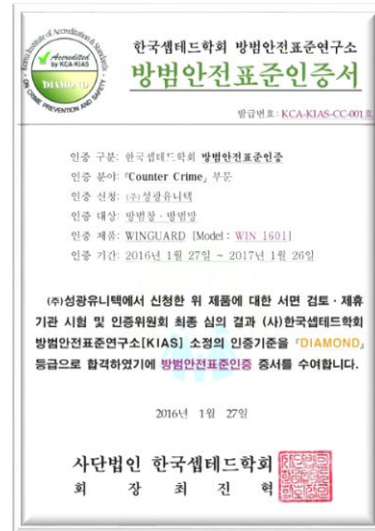
- Dual-structure design for safety



05. Recent Work installed WINGUARD-in house



06. Awards, QC and Patent



Korean Edison Award

Certification from CPTED

* CPTED (Crime Prevention Through Environmental Design)

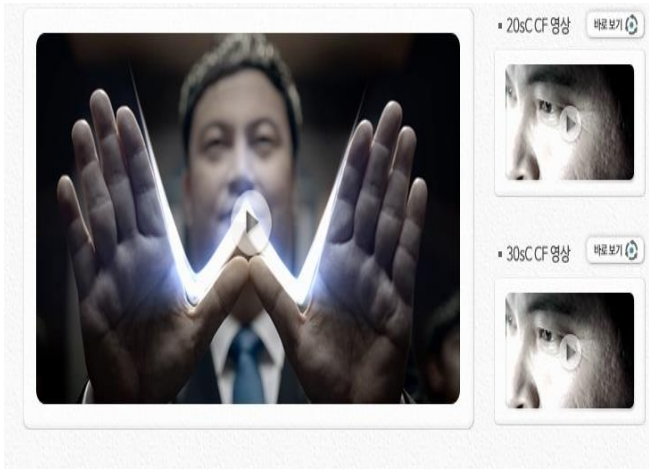
US patent of ANTI-CRIME SYSTEM USING RF DONGLE

Mexico patent of ANTI-CRIME SYSTEM USING RF DONGLE

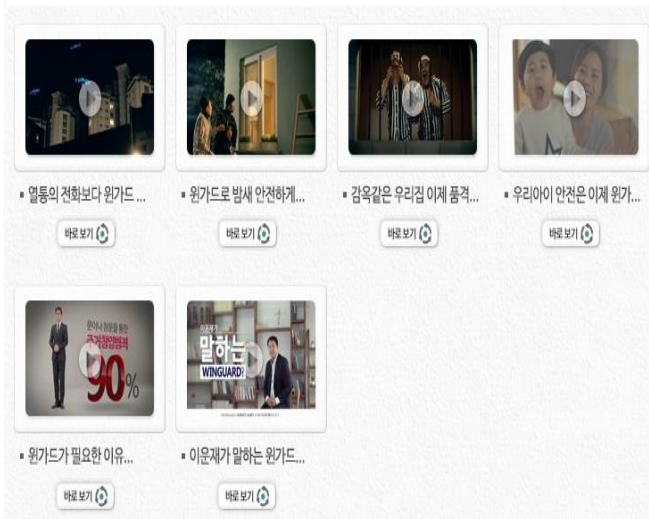
China patent of ANTI-CRIME SYSTEM USING RF DONGLE

07. Advertisement

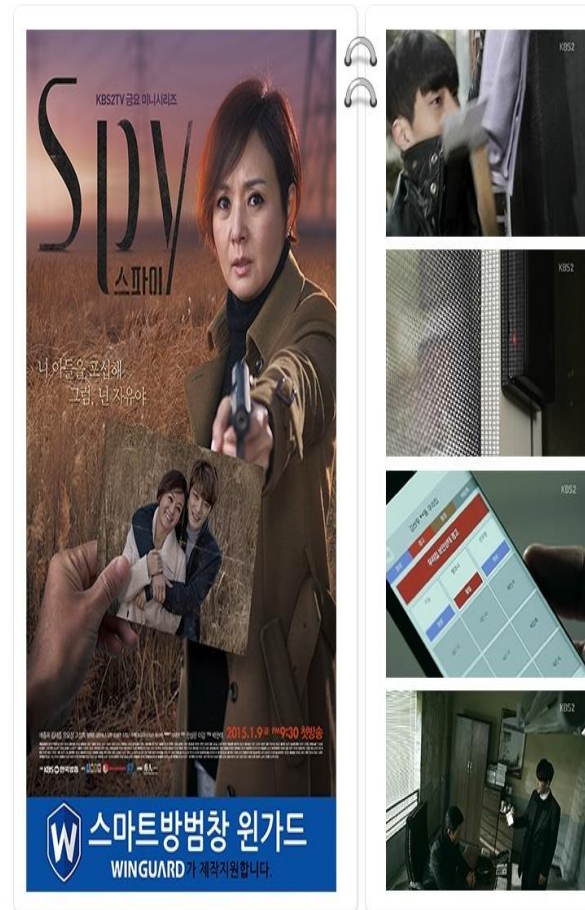
1. TV Commercial



2. Viral



3. Product Placement Advertisement (KBS2TV Drama Spy) and Radio





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