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- For wireless homecare solution products published on this catalog, it is a premise that only one system is being used in a house
- For the products that use the radio wave, the detection signal reaching ranges may vary based on an environment. As a result of that, the ranges may become short or the devices may not function at all. For the products that use a 2.4 GHz frequency band, they are prone to develop a radio signal interference since they use the same signal frequency band with other devices such as a wireless LAN device.

- Colors of the product pictures on this catalog may be different due to a printing process
- Design and specifications are subject to change without notice

# Care Communication

Excel Engineering helps provide independent living for care recipients and an effective, efficient and caring environment for caregivers. Our products help support a streamlined communication environment for all involved.

Our hope is that both care recipients and caregivers have meaningful and enjoyable lives together.



Each page has a QR code. When you scan it you will see an instructional manual for the product.

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## Homecare Solutions

*Indicates long-term care insurance approved products for rent.			
SRH9000*	27-28		Long range wireless system that does not require repeaters
SH6900*	29-30		Live video monitoring/infrared detection sensor
iBaby Senior	31		
Homecare Wireless Nurse Call System: HT-150	32		Ornament-style transmitter can alert caregiver by sound and light
Homecare Wireless Nurse Call System: NRM-6900	33		Two-way voice communication/live video monitoring system

## Specifications and Other

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# List of Various Nurse Call Systems

## iBaby Care

Wi-Fi ..... P5~6



- ▶ A care recipient can be monitored via a smartphone when you are away from home
- ▶ Paired with Excel Engineering' s other wireless detection sensors, a care recipient can be monitored effectively



## Wireless Nurse Call System NC-5000 ..... P9~10

Wireless Can be connected to an existing nurse call system



Wireless Sensors



Wireless Adapter



Nurse Station

Connected to the existing

## NC-9000 Wireless Nurse Call System ..... P7~8

Wireless No connection to an existing nurse call system necessary



Wireless Sensors



- ▶ The transmitter and the receiver can be directly connected wirelessly within a facility.

Can be used for a multi-story high raising building

Is suited to use between buildings

Is suited to use in a large facility

## Cloud-Based Total Care System ..... P11~12

Wi-Fi Could based

PC, smartphone



Internet



- ▶ The alert messages are generated and sent to your PC or smartphone via your Wi-Fi network

- ▶ The detection record history is kept for convenient patient care management

# iBaby Care



## External Sensor



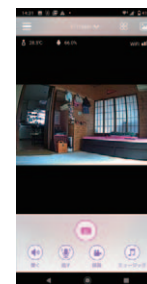
iBaby has the following sensors

- Motion sensor
- Sound sensor
- Temperature sensor
- Humidity sensor



\*A Wi-Fi connection is required

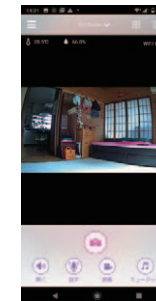
Internet



Alert/Video/talk etc.

# iBaby Care 12 Key Functions

## 1.Live Video Monitoring



It can provide you a live video via your smartphone. When the smartphone is rotated in the landscape direction the video display will be magnified. By using your index finger and thumb (pinching out) on the screen to zoom in on the screen display.

## 2.Motion Detection

When an object moves within the range of the camera the motion sensor detects the motion. In addition, There are the sound and temp./humidity sensors built in.



\*It is necessary to turn on the sensor alarm setting.

## 3.Automatic Video Recording



iBaby has the following sensors

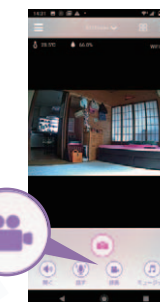
- Motion sensor
- Sound sensor
- Temperature sensor
- Humidity sensor

When the sensors are activated the video will be automatically recorded on your smartphone. The recorded video can be reviewed in the photo gallery on the smartphone.

\*It is necessary to turn on the sensor alarm setting.

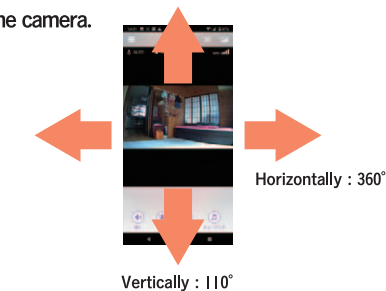
## 4.Manual Video Recording

When you click on the "Record" icon you can record a video anytime. The recorded video can be reviewed in the photo gallery on the smartphone.



## 5.Easy Camera Direction Change

Sweep your smartphone's screen with your finger to change the directions of the camera.



## 6.Monitor Anytime with Your Smartphone

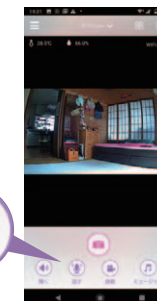
- Still Images
- Manual Recording
- Alert Automatic Recording

\*The recorded images and videos can be reviewed in the photo gallery on the smartphone.



## 7.Two-Way Communication

By clicking "Listen" and "Talk" icons, it allows the two-way communication possible.



## 8.Playing Music

When you click on the "Music" icon you can play music that is stored in your smartphone from the iBaby.



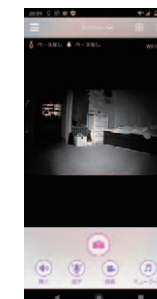
## 9.Temp./Humidity Display

The room temperature and humidity can be measured real time and displayed. When they are in an extreme range an alert can be generated. It is used for heat illness prevention.



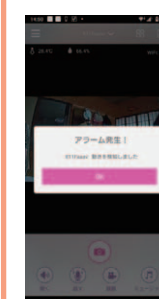
## 10.Night Vision Setting

iBaby has an infrared light built in therefore when a room is completely dark the camera can still display a clear image.



\*The night vision mode can be activated by the auto mode or simply turn on manually.

## 11.Alert Setting



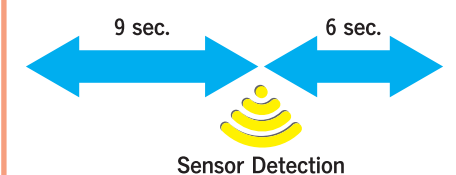
- Motion Sensor
- Sound Sensor
- Temp./Humidity Sensor
- External Sensors

When an unusual event is detected an alert message will be displayed on your smartphone.

\*Alert "ON" is required to use this function

## 12.Incident Analysis

\*This function is only available in RH7000S model



Automatically records a video 9 seconds before the detection sensor is activated. You can review activities prior to the detection event.

## iBaby Care

RH7000

RH7000S



iBaby Care with Floor Sensor

SH7000

SH7000S



iBaby Care with Bed Sensor

SR7000

SR7000S



iBaby Care with Plate Sensor

SP7000

SP7000S



iBaby Care with Infrared Sensor

SK7000

SK7000S



# NC-9000 Wireless Nurse Call System

The LoRa (Long Range Radio) technology allows a long range wireless signal transmission and energy efficiency. The wireless signal range could reach longer than one kilometer (outdoor with free of blocking objects)

## Facility Application Examples

- Group homes
- Small-scale multi-functional care facilities
- Assisted-living housing for elderly
- Nursing homes
- Geriatric care facilities



## Report



Portable Wireless Nurse Call Activator P22



Nurse Call Button

## Sensor



Floor Sensor P17



Bed Sensor P18



Plate Sensor P19



Magnet Sensor P24  
※Built-in transmitter



Side-Rail Sensor P21



Wheelchair Sensor Pad P23



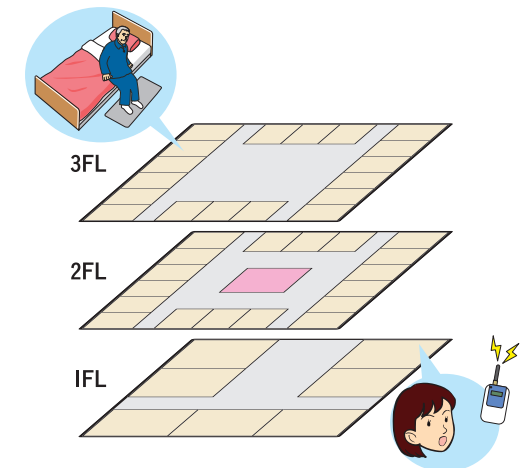
Door Sensor P26  
※Built-in transmitter



Toilet Seat Sensor P25

## Features / Applications

- The transmitter and the receiver can be directly connected wirelessly within a facility.
- No constructions necessary
- Suited for brand new or renovated facilities
- Excel Engineering's various caring detection sensors can be used synchronously
- Reduce the installation cost of a nurse call system
- The detection record history is kept for convenient patient care management with NC-9000DRX



## Transmitter



Transmitter

NC-5000  
• Sensors  
• Alert button



Signal Frequency

## Receiver



Portable Receiver

- Can register up to 100 channels
- Rechargeable



Base Station Receiver

- Can register up to 16 channels
- AC adapter



Alert Display Monitor/Receiver

- Can register up to 521 channels
- Automatically save reports and alerts
- Can manage time periods and users
- Select and filter contents of reports and print them

ex.



Report History



Alert Report History

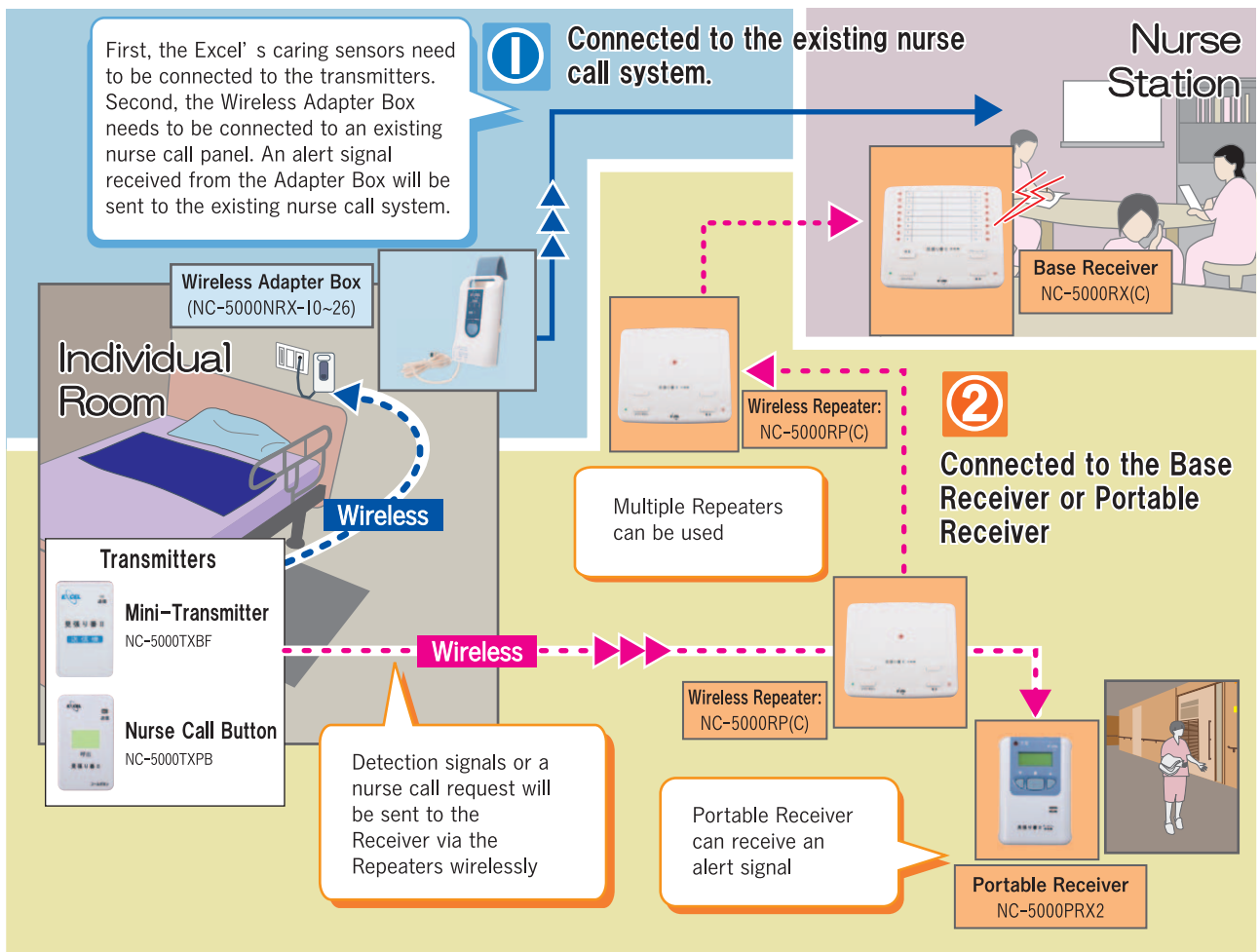
# Wireless Nurse Call System NC-5000

Wireless Nurse Call System that adapts various facility needs!

**1** Excel Engineering' s various detection sensors can be connected to the existing nurse call system wirelessly.

**2** Detection and/or nurse call request signals can be transmitted to the base and/or the portable receivers.

## NC-5000:Installation Example



## Wireless Nurse Call System NC-5000 Products

### Wireless Adapter Box

(NC-5000NRX-10~26) for an existing nurse call



- This wireless adapter box has capabilities to receive detection signals and connect to an existing nurse call system. The wireless environment will help in creating a safe (no tripping over the cords) and more accessible caring environment.
- It is used in facilities which have a nurse call system
- Up to 3 transmitters can be registered.
- An alarm sound can be stopped temporarily.
- When the transmitter's battery become low the adapter box's LED light starts flashing when it receives a detection signal. Please check this at least once a month).
- Please refer to page 14 for the adapter box's connector

### Base Station Receiver

NC-5000RX(C)



- A caregiver can be alerted by "alert" lights, sound, or melodies (8 tunes)
- Up to 16 different detection sensors and/or communication devices can be connected to this receiver
- Multiple receivers can be used simultaneously
- When the transmitter's battery becomes low the LED light starts flashing when an alert signal is received. Please confirm if the system is working properly at least once a month.

### Portable Receiver

NC-5000PRX2



- A caregiver can be alerted by an "alert" sound or vibration
- Up to 63 different detection sensors and/or communication devices can be connected to this portable receiver
- Multiple portable receivers can be used simultaneously
- When the transmitter's battery becomes low the LED light starts flashing when an alert signal is received.

### Wireless Repeater

NC-5000RP(C)



- This repeater increases the wireless network coverage area
- By connecting multiple repeaters, it is possible to cover the wireless network in an entire facility
- The wireless coverage can be identified by pressing the test button

### Mini Transmitter

NC-5000TXBF



This mini transmitter can be used for the bed sensor or the floor sensor. The delayed alert timer can be set at 0, 1, 2, or 4 seconds

### Portable "nurse call" button for the wireless

adaptor: NC - 5000TXPB



This is a small portable "nurse call" button

### Portable Pause Button Box for the wireless

adaptor: NC - 5000TXPH



This is a portable pause button box for the wireless adaptor. When a caregiver wants to clean the room and/or make the bed for a care recipient a nurse call system can be temporarily deactivated by pressing the pause button. The nurse call system can be reactivated by pressing the button on the device. By using the device, false activation of the nurse call system can be prevented.

After 3 minutes elapse, the "pause" function is deactivated automatically. This function can prevent someone from forget to deactivate the "pause" function

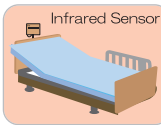
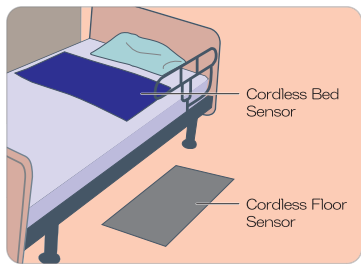
### Mini Repeater

NC-5000RP2



- This repeater increases the wireless network coverage area
- By connecting multiple repeaters, it is possible to cover the wireless network in an entire facility
- To use the repeater, Simply plug it in to an electrical outlet

### Detections sensors that support NC-5000 system



\*To see more detailed information of each sensor, please refer to the corresponding pages

Since the NC-5000 is a wireless signal transmission system, we will examine your wireless signal environment before preparing an estimate and installation of the system. Based on your facility's environment conditions, the system may require a repeater(s). Please examine the wireless signal coverage in your facility. Please contact us for more detailed information on the products. We are looking forward to hearing from you.

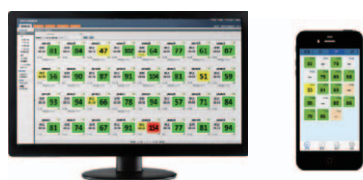


# Cloud-Based Total Care System

A care recipient can be monitored by using various wireless detection sensors on your PC or smartphone within your network.

- The Vital monitoring sensor which has a high demand in a senior care facility can be used with this system.
- Easy data sharing! Care recipients' detection information can be shared between a care facility and the care recipient's family members.

PC and Smartphone



Internet

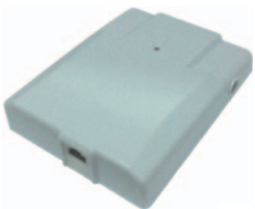


## Sensor Devices

### Receiver (Built in Router)

CL-I0000RX

- It is compact and can be installed in a very small space. The wireless signals can be detected within the radius of 15m.
- By installing multiple receivers, a care recipient's position within a facility can be identified.



### Pulse Sensor

- This sensor can measure an individual's pulse count
- The built-in tri-axial accelerometer can detect an individual's motions
- There is a wireless "push button" built in to alert a caregiver

CL-I0000TXPLS



### Nurse Call Button (Wrist Band Type)

- The built-in tri-axial accelerometer can detect an individual's motions
- There is a wireless "push button" built in to alert a caregiver
- This device is IPX7 water proof rating product

CL-I0000TXPW



### Wandering/Leaving-Bed Plate Detection Sensor

- This device is very light and compact design
- The sensor detects wandering / leaving-bed incidents

CL-I0000TXPS



### Diaper Sensor

CL-I0000TXMS



### NEW Twin Sensor Package

- Two detection sensors can be combined to detect "getting up" from the bed, "Leaving" the bed, and presence of an individual in bed.
- The prices vary based on the combination of the sensors

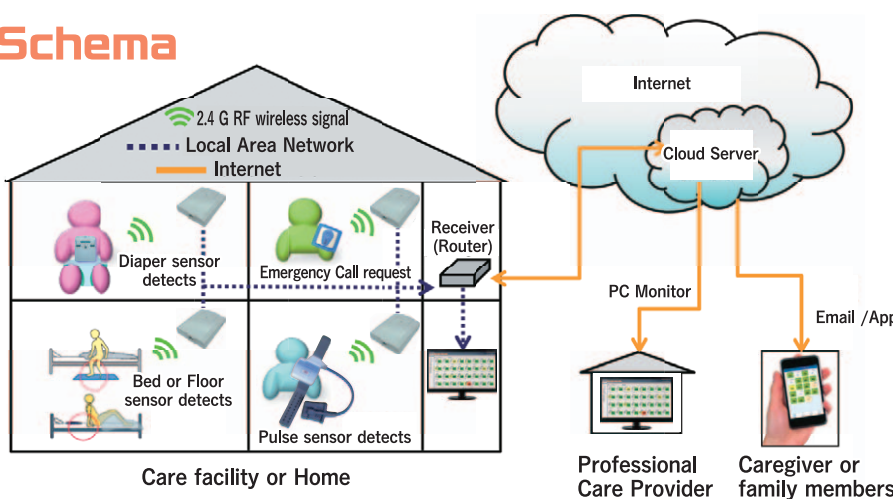
### Leaving-Bed Detection Sensor

- There are two sensors available: Bed Sensor and Floor Sensor
- The sensors detect when an individual is trying to leave the bed

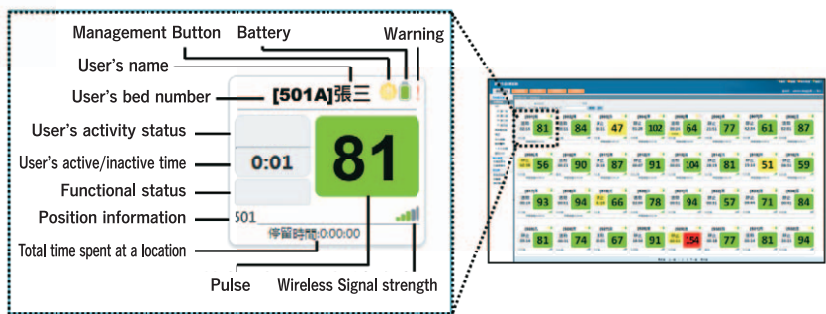
CL-I0000TXEPB  
CL-I0000TXEFM



## System Schema



## Caring App for your smartphone



## NEW Twin Sensor Package Usage Option

	Usage Options		Sensor activation status and a care recipient's position status					A care recipient's position status	
Option 1		2 Plate Detection sensors + 1 Floor sensor	Sensor A	✓	✓	✗	✗	Position Status 1	
			Sensor B·C	✗	✓	✓	✗		
			Position Status	2	2	4	5		
Option 2		2 Plate Detection sensors	Sensor A	✓	✓	✗	✗	Position Status 2	
			Sensor B	✗	✓	✓	✗		
			Position Status	2	2	3	5		
Option 3		1 Plate Detection sensor + 1 Floor sensor	Sensor A	✓	✓	✗	✗	Position Status 3	
			Sensor C	✗	✓	✓	✗		
			Position Status	3	4	1	1		
								Position Status 4	
								Position Status 5	

- A caregiver can monitor a care recipient via a PC or a smartphone 24/7
- A large number of care recipients' caring data can be managed.
- There are various alert settings available (e.g., upper and lower limits of pulse counts, an emergency call request, duration of inactive status)
- Based on the location of the receiver, a care recipient's position within a care facility or home can be identified.
- An alert signal is sent to your PC or smartphone along with corresponding information from the various detection sensors

# Adaptor Boxes for a Nurse Call System



The various caring sensors from Excel Engineering can be connected with other competitors' existing nurse call systems through the adaptor box.

- \*This product is only compatible to Excel Engineering sensors
- \* If you have an old nurse call system the adapter box may not be compatible. An additional fabrication fee may be applied.

## Adapter Box for a wired connection



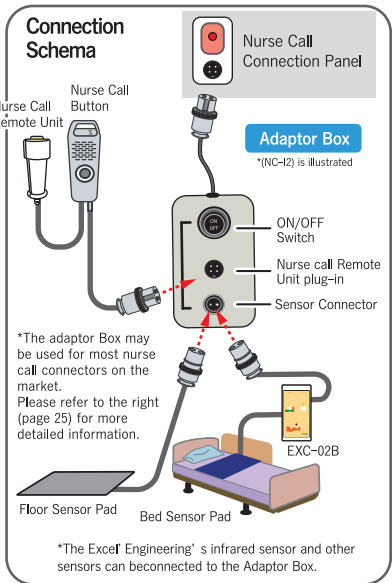
\*NC-12-A

### Adapter Box NC-10~ Type A Type B

The adapter box can be turned off/on from the switch located on the top of the adapter.



\*An optional bed hanger (BH-I) is available (the adaptor can be hung from the bed rail)



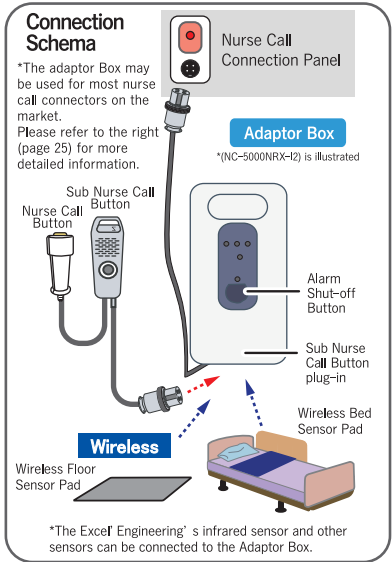
## Adapter Box for a wireless connection Type A



\*NC-5000NRX-12

### Wireless Adapter Box NC-5000NRX-10~ Type A Type B

This wireless adapter box has capabilities to receive detection signals and connect to an existing nurse call system. The wireless environment will help in creating a safe (no tripping over the cords) and more accessible caring environment.



Please refer to the following major nurse call system manufacturing companies' names and the type of nurse call connector pin to identify your specific nurse call connector pin. There are nurse call connector pins that may not be able to connect to Excel's adaptor box.

Nurse Call Connector Pins made by Aiphone												
Type	A	A	A	A	A	A	A	B	B	B	B	A
Adaptor Box	NC-10	NC-11	NC-16	NC-15	NC-13-NEX	NC-13-NCX	NC-13-NBX	NC-14	NC-17	NC-18	NC-19	NC-22
Product #	2P Regular	3P Regular	IP Plug	AIPhone / Flat 2P	AIPhone / 4P NE model	AIPhone / 4P NC model	AIPhone / 4P NB model	AIPhone / Pla 5P	AIPhone / Din5P	AIPhone / for NFX option 3	AIPhone / Din6P	AIPhone / Vi-nurse
Adaptor shapes												
Please refer to the connection site of your nurse call system for identifying your needs. NE-RC, NE-RC/A: 5-E NCR-5-C NB-RC/A: 5-B (there are some types that may not be compatible)												
UAR-8 UBR-8 UA-SB8 UB-SB8 NFR-8 Option Plug NF-SB NF-SB-TT An optional input cord may be required (sold separately)												

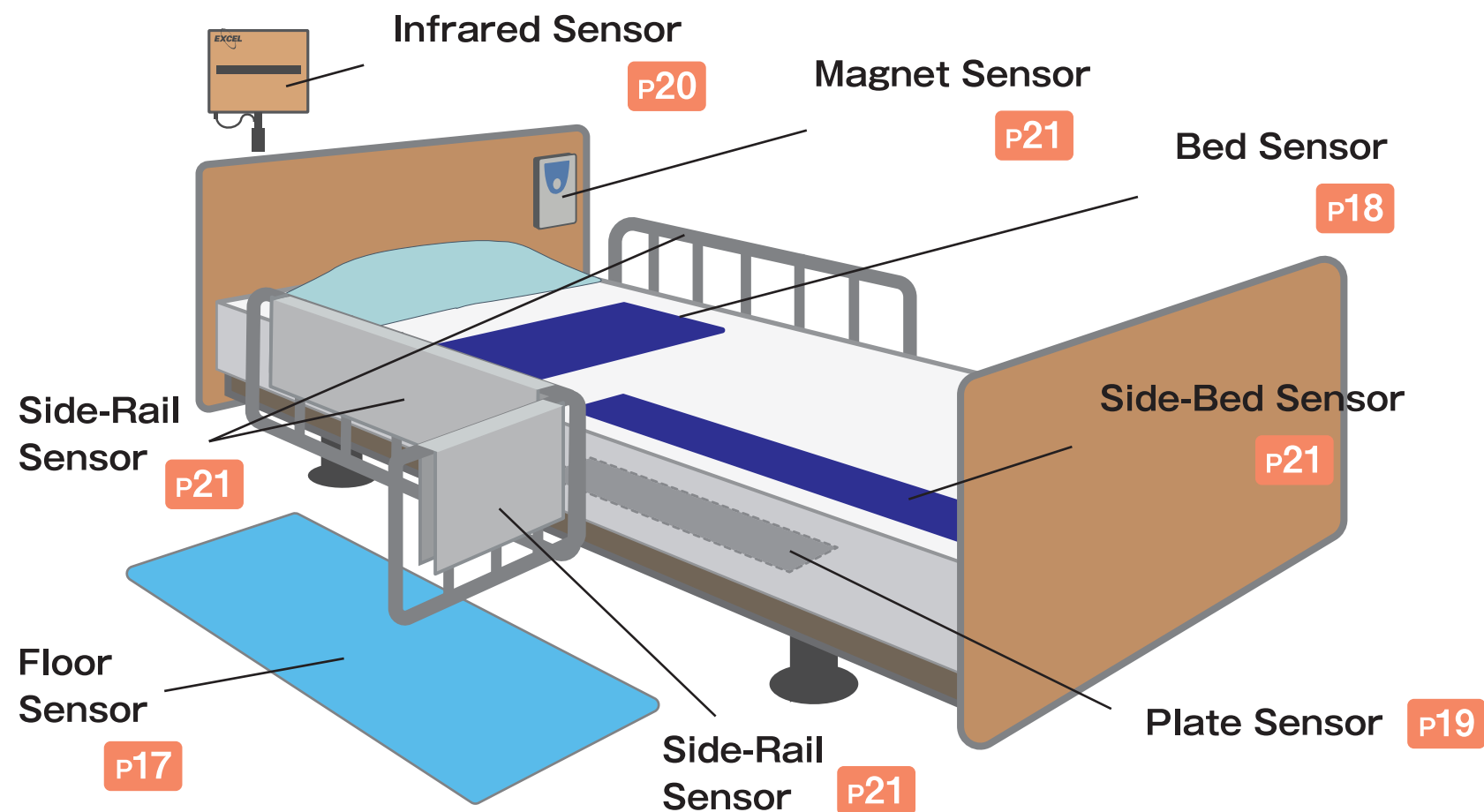
Nurse Call Connector Pins made by CareCom							Nurse Call Connector Pins made by Panasonic			NAKAYO	NTT
Type	A	A	A	A	A	B	A	A	B	B	B
Adaptor Box	NC-10	NC-11	NC-16	NC-12-A	NC-12-D	NC-23	NC-20	NC-16	NC-21	NC-25	NC-26
Product #	2P Regular	3P Regular	IP Plug	CareCom 4P analog	CareCom 4P digital	Well File: CareCom6P	Panasonic/ 2P grip button	IP Plug	Panasonic/ 2P handset	NAKAYO	NTT
Adaptor shapes											
*Please contact us if you cannot identify which 4P connection pin is yours. BA-450F, BA-501 BA-501Z BA-601WZ RB-830Z BA-440F, BA-511 BA-511Z BA-611WZ RB-826WZ							If your nurse call connector pin is not listed, please contact us for consultation. There are nurse call connector pins that may not be able to connect to the Excel's adaptor box.			*NC-25,26 are modular type	

\*CareCom's "Well" series nurse call system requires a specific plug-in. The model number for the plug-in is BB-301WZ-2P/W6P-NC.

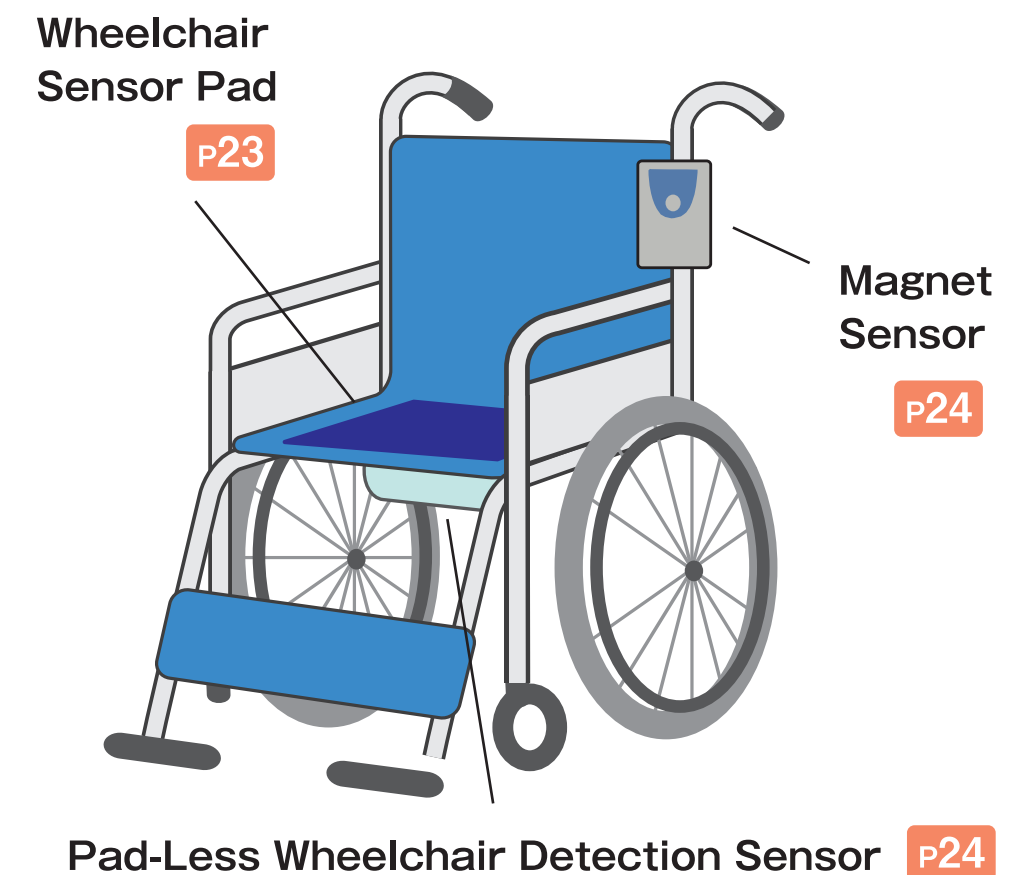


# List of Sensors

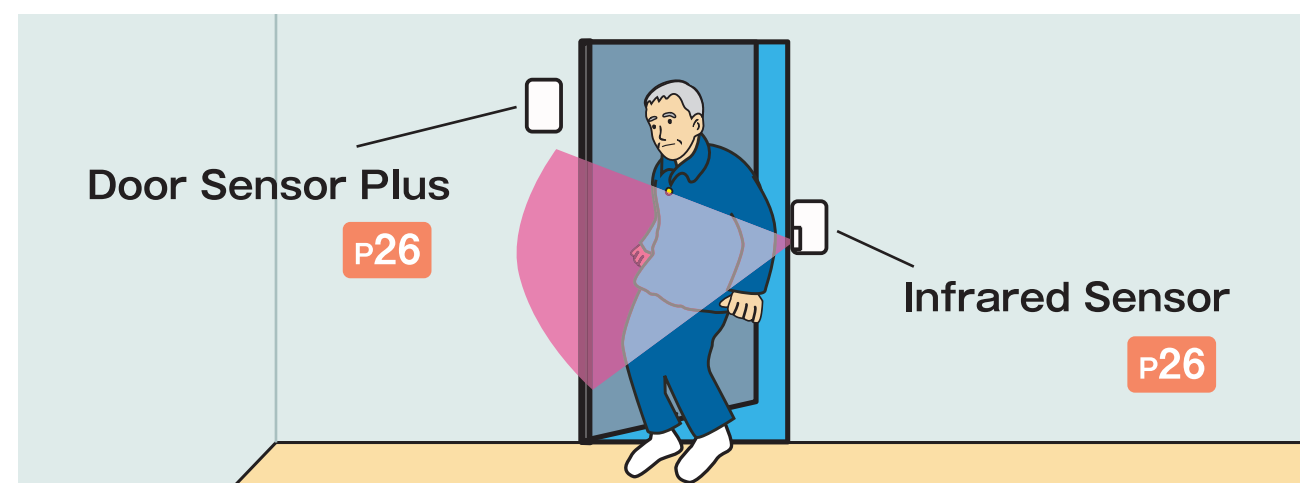
## Around the Bed



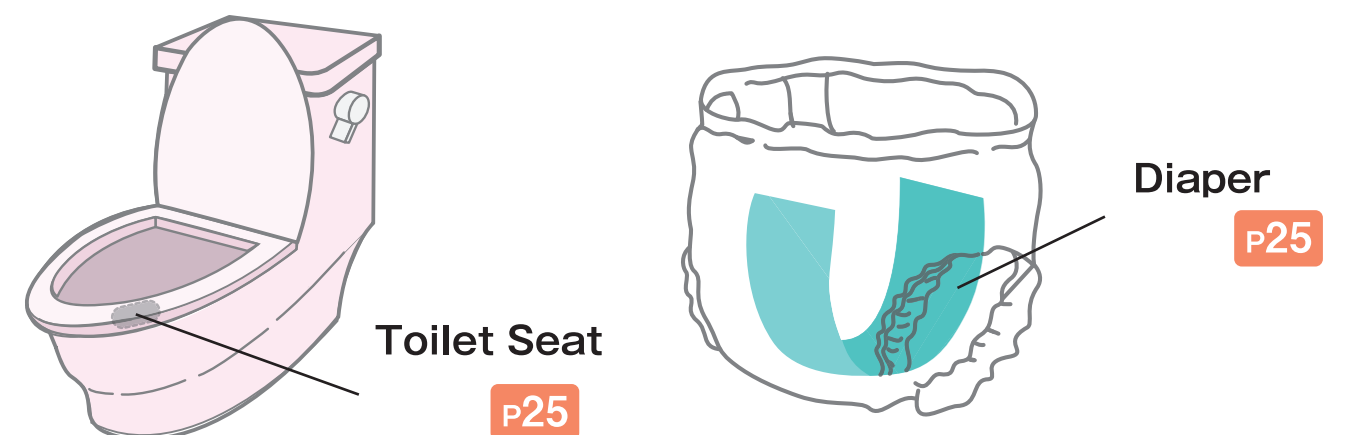
## Wheelchair



## Exit and Entrance



## Toilet /Diaper

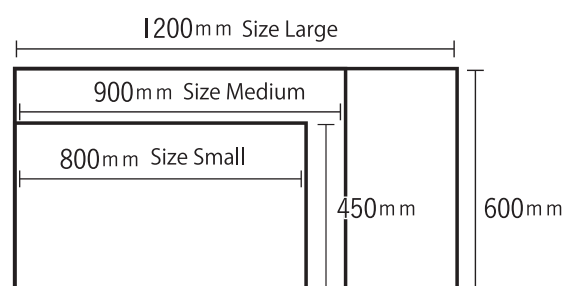
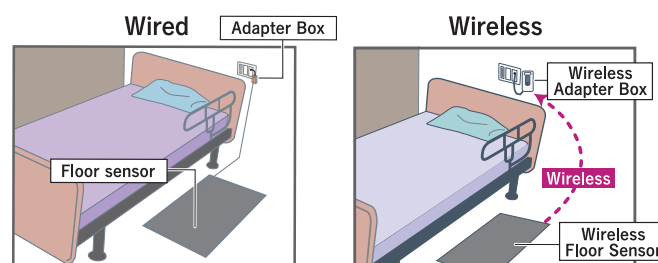
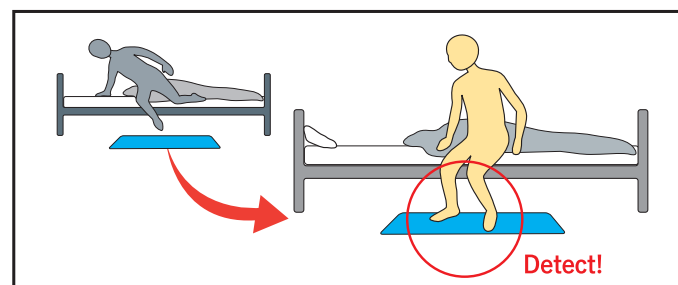


# Floor Sensor: For wandering prevention!



When an individual steps on the sensor pad it detects!

- This sensor pad alerts when an individual's body weight creates a pressure on the pad by the bed (where the individual places his or her feet when he or she leaves the bed).
- The pad would be most appropriate for individuals who need to be monitored for the potential risk of falling or wandering.

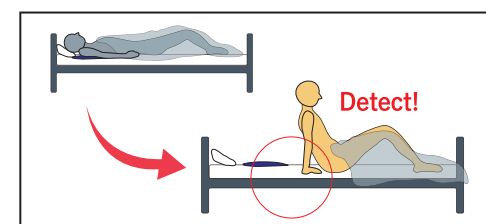


	Floor sensor only	Wired Floor sensor & a Nurse Call Connection Package The package includes the Hybrid Floor Sensor, an Adapter Box, and Nurse Call connection cables	Wireless Floor sensor & NC5000 Package The package includes the Hybrid Floor Sensor, a wireless Adapter Box, and a Mini Transmitter
Hybrid Floor Sensor: Size Small	EFM-57/S-C	EFMS-57/S	SNC5000F-57/S
Hybrid Floor Sensor: Size Medium	EFM-57/M-C	EFMS-57/M	SNC5000F-57/M
Hybrid Floor Sensor: Size Large	EFM-57/L-C	EFMS-57/L	SNC5000F-57/L

# Bed Sensor: For help prevent an individual from falling off the bed.



- This sensor is designed to help prevent an individual from falling off the bed.
- Based on an individual's needs a location of the sensor is selected. When an individual attempts to get up or the body moves too close to the edge of the bed the sensor alerts.

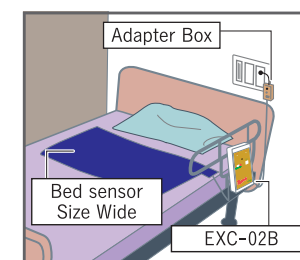


## Bed Sensor Installation Example

When an individual attempts to get up it detects!

- Place the sensor just underneath of the individual's shoulder blades.
- When pressure from an individual's body weight decreases a caregiver is alerted

## Wired Bed Sensor



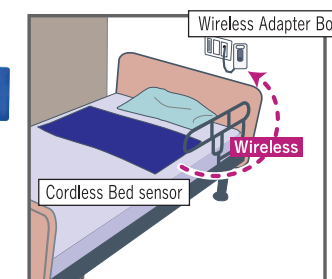
EXC-02B is used to connect with an existing nurse call system

Size:Wide EPB54-W-I

EXC-02B & Bed Sensor (Size: Wide)  
Package:The Bed Sensor can be folded in half.  
EXC02S-5W

The package includes one Bed Sensor (size Wide), one EXC-02B, One Adapter Box, and Nurse Call connection cables

## Wireless Bed Sensor



The Wireless Adapter Box is used to connect a nurse call system

EPB58-W-2

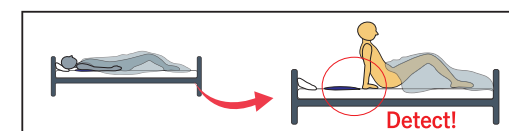
NC-5000 & Wireless Bed Sensor  
Package:The Bed Sensor can be folded in half.  
SNC5000B-58W-2

The package includes one Wireless Bed Sensor (build-in transmitter) and one Wireless Adapter Box

## Affordable Sensor Pad



When an individual attempts to get up it detects!



Product #	Types of Plugs	Dimensions
EPB90-W	Modular Plug	381 x 762 x 6 mm
EPB90-W/MP	Mini Plug	
EPB90-W/RCA	RCA Plug	

\*The duration of warranty on these products is 90 days from purchase; however, they can be used longer. They are not intended to be used for multiple care recipients.



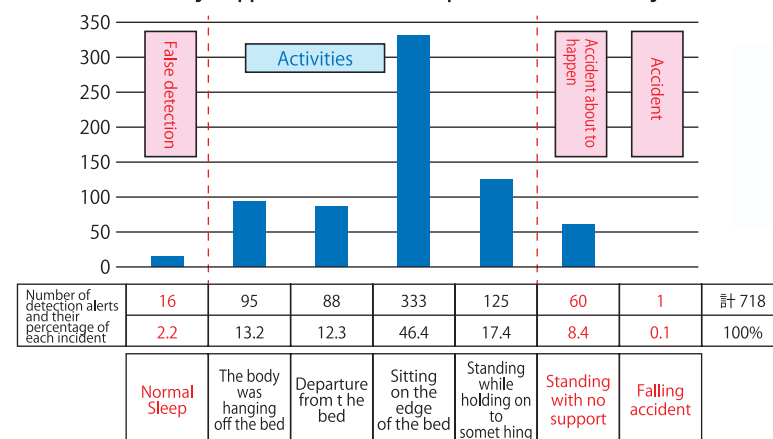
# Plate Sensor: For wandering prevention!



The sensor uses the Seesaw Switch Technology which helps to minimize false detections. It is very compact yet, it can detect presence of a care recipient on the bed sensitively without complicated detection setting adjustments. The sensor is durable and invisible when installed. Further, the sensor can be used as a bed sensor and a side-bed sensor. The sensor can be connected to Excel Engineering's Cloud-Based Total Care System, (see page 11-12), NC-9000 Wireless Nurse Call System (see page 7-8), NC-5000 (see page 9-10), and EXC02S Wired Nurse Call Activation/In-Room Alert System (see page 22)



Relationship between the sensor activations and what actually happened to a care recipient at a care facility



## Early detection and alert:

It detects when a body (the majority of the body weight) gets too near the edge of the bed for preventing a potential falling accident



440 × 50 × 16 mm

Wandering/Leaving-Bed Plate Detection Sensor: EPS-50

## Wired Nurse Call Connection Package EPSS-50

- Package includes:**
- One Wandering/Leaving-Bed Plate Detection Sensor
  - One adaptor box
  - One adaptor cable

## Wireless Nurse Call System Package SNC5000PS

- Package includes:**
- One Wandering/Leaving-Bed Plate Detection Sensor
  - One wireless adaptor box
  - One NC5000 transmitter

## Wired Nurse Call Activation/In-Room Alert System Package EXC05S-PS

- Package includes:**
- One Wandering/Leaving-Bed Plate Detection Sensor
  - One EXC02S unit
  - One adaptor box
  - One adaptor cable

# The Infrared Double Sensor Detection Monitor System



The infrared sensors detect movements on the bed. By turning the dial of the unit, you can easily choose one of the four detection mode options.

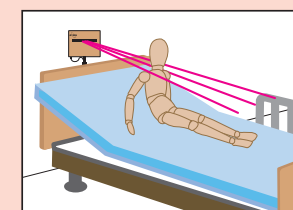
## Wired System – MS-3100D

Work with NC5000 system (MS-3100E)

Work with NC9000 system (MS-9000TXMS)

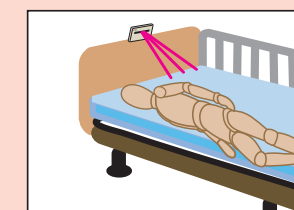


See the instructional manual



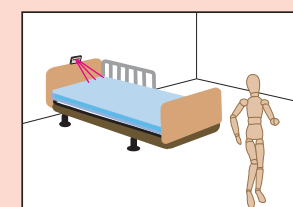
## Detection of the Body Position

- ▶ When an individual's body gets up on the bed it detects and alerts a caregiver.



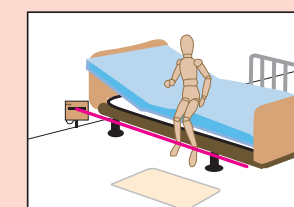
## Falling incident prevention

- ▶ When an individual's body gets close to the edge of the bed it detects and alerts a caregiver.



## Detection of Presence of the Care Recipient

- ▶ When an individual is not present on the bed it detects and alerts a caregiver.



## Detection of Wandering

- ▶ When an individual starts leaving from the bed it detects and alerts a caregiver.

## MS3100D & Nurse call Connector Package

Wired

Package Type	Product Number	Contents
MC3100 with the Long	MS3100D-LB	• MC3100 (1)
MC3100 with the Short	MS3100D-SB	• MC3100 (1)
MC3100 with the Bed Holder	MS3100D-H	• MC3100 (1)

## Wireless Nurse Call System NC5000 Package

Wireless

Package Type	Product Number	Contents
NC5000 with the Long Stand	SNC5000-MS3100EL	• NC5000 (Transmitter built in (1)) • Long Stand (1) • Wireless Adapter Box (1)
NC5000 with the Short Stand	SNC5000-MS3100ES	• NC5000 (Transmitter built in (1)) • Short Stand (1) • Wireless Adapter Box (1)
NC5000 with the Bed Holder	SNC5000-MS3100EH	• NC5000 (Transmitter built in (1)) • Bed Holder (1) • Wireless Adapter Box (1)

## MS-3100D Accessories



**Stand Options**

**Long Stand**  
(adjustable height: 60-110 cm)

**Short Stand**  
(adjustable height: 22-38 cm)



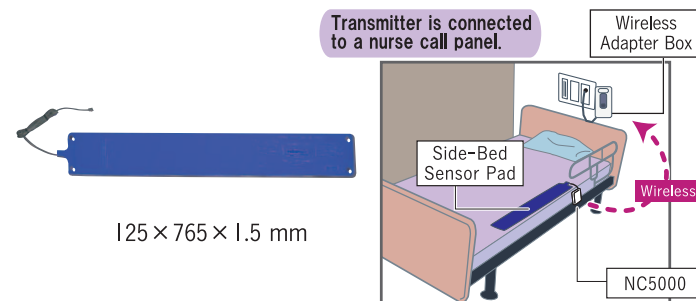
Bed Holder



Adjustable Angle Connector

## Side-Bed Sensor Pad

### Side-Bed Sensor Pad (Wireless)



The Side-Bed Sensor Pad connected to a nurse call system wirelessly.  
\*A cord from the sensor can be shortened as an option.

**EPB54**

**Side-Bed Sensor Pad and NC5000 Package:  
SNC5000F-5BS**

The Package includes:  
One Side-Bed Sensor Pad, one NC5000 transmitter, and one Adapter Box



## Side-Rail Sensor Pad

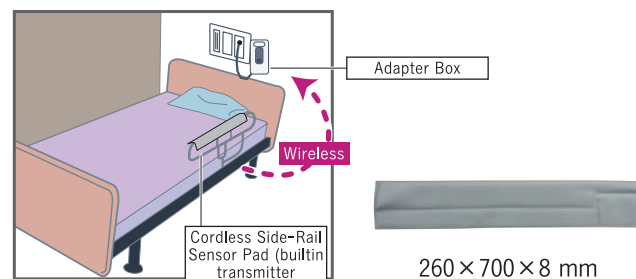


**Side-Rail Sensor Pad** – This sensor can be placed over the bed-side-rail. When an individual grabs the side rail (i.e., when the individual creates the pressure on the sensor pad) it activates a nurse call system. Since the transmitter is built inside of the pad, it creates a safe cordless environment around a care recipient. The side-rail sensor pad can be used with Excel's wireless nurse call system, NC5000 (see page 9-10).

When an individual grabs the side it activates a nurse call system.

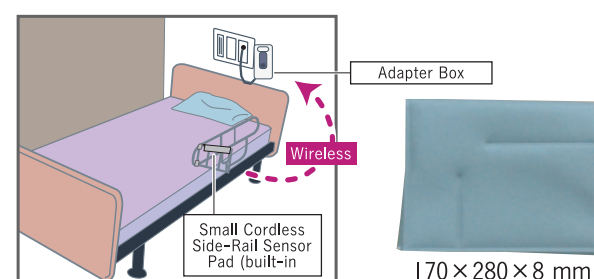


### Cordless Side-Rail Sensor Pad (EPB58-SR/L)



**EPB58-SR/L**

### Small Cordless Side-Rail Sensor Pad (EPB58-SR/S)



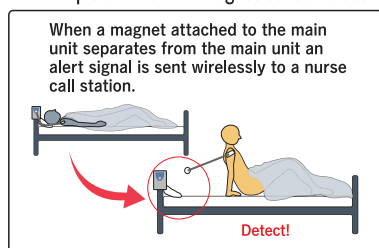
**EPB58-SR/S**

## Magnet sensor



### Magnet sensor and NC5000 Wireless Nurse Call System package (SNC5000TXMG)

An example of when the Magnet Sensor is used for a bed.

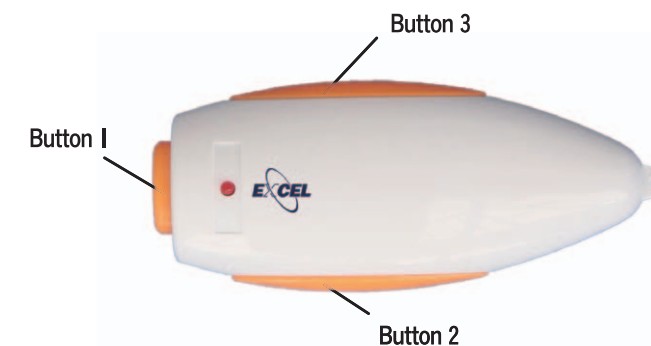


The package includes:  
One Magnet Sensor and  
one NC5000

Wireless

**SNC5000TXMG**

## Portable Wireless Nurse Call Activator



This Portable Wireless Nurse Call Activator can compatible with NC-5000 (see page 9-10) or NC-9000 (see page 7-8).

Work with NC5000 system  
NC5000TXNCB2

Work with NC9000 system  
NC9000TXNCB

## Wired Nurse Call Buttons



This is a standard nurse call button that can be used in a facility.

Standard 2P Type  
NCB-324

Can connected to NC-5000 / 9000' s transmitter

Mini Plug Type  
NCB-327

## Wired Nurse Call Activation/In-room Alert System (EXC-05)

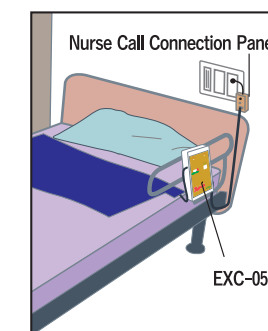


See the instructional manual



**EXC-05**

To function as the  
in-room alert system  
with the Bed Sensor

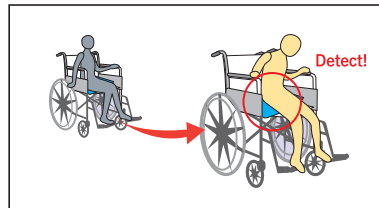


The Bed Hanger  
can be used to  
hang the EXC-05  
on the back of a  
wheelchair.



## Wheelchair Sensor Pad

Falling accidents typically occur when an individual tries to get up from a wheelchair. This sensor pad is designed to use with a wheelchair.



When an individual tries to get up, it detects!

When the weight of the individual becomes less on the wheelchair due to the attempt of the departure from the wheelchair the device alerts the individual as well as a caregiver.



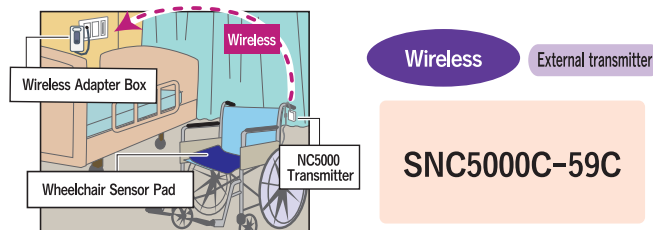
Cordless Wheelchair Sensor Pad  
EPC59



Wheelchair Sensor Pad  
EPC53

## Wheelchair Sensor Pad (EPC-53) & NC5000 Package

By using the wireless Adapter Box, the Wheelchair Sensor Pad can be connected to the nurse call system wirelessly.



Wireless External transmitter

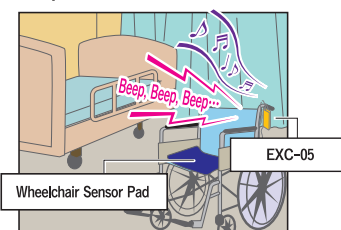
SNC5000C-59C

Contents

- Wheelchair Sensor Pad (EPC-53)
- NC5000 Transmitter
- Wireless Adapter Box

## Wheelchair Sensor Pad (EPC-53) & EXC-05 Package

The Wheelchair Sensor Pad can be connected to EXC-05. It can alert an individual in a wheelchair by a melody/buzzer sound when he/she tries to get up. The melody/buzzer sound stops when the individual sits back down.



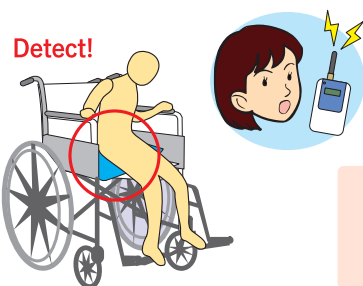
Alert an individual right there

EXC05S-5C

Contents

- Wheelchair Sensor Pad (EPC-53)
- EXC-05

## Wheelchair Sensor Pad with Portable Wireless Transmitter and Receiver

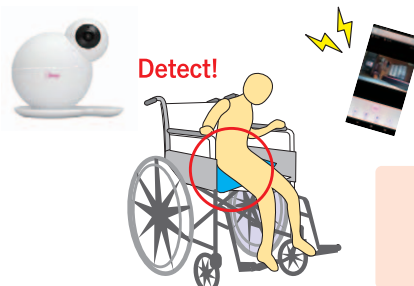


SC9000-P

Contents

- Cordless Chair Sensor
- NC-9000 transmitter
- Portable Receiver

## Wheelchair Sensor Pad with iBaby Care S (SC-7000-S)

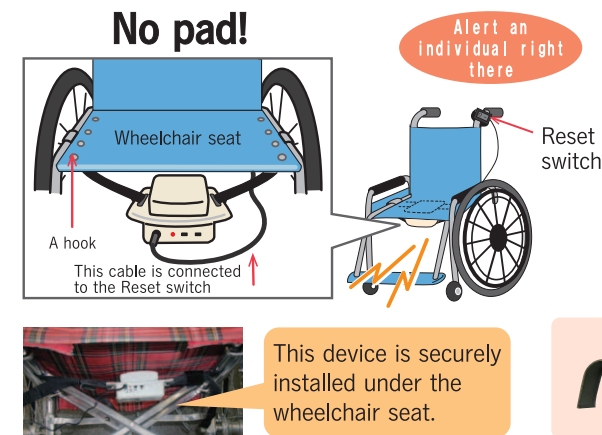


SC7000-S

Contents

- Cordless Chair Sensor
- iBaby Care S
- NC-9000 transmitter

## Pad-Less Wheelchair Detection Sensor (ETL08-I)



Install the ETL08-I underneath of the wheelchair seat. The ETL08-I can alert an individual in a wheelchair by an alarm/chime/buzzer sound when he/she tries to get up. The melody/buzzer sound stops when the individual sits back down. Less noticeable from the individual in the wheelchair.

### Voice Setting:

The voice recording can be up to 15 seconds using your own voice or a favorite comforting voice.

"Please be seated!"

"It is dangerous to get up!"



ETL08-I

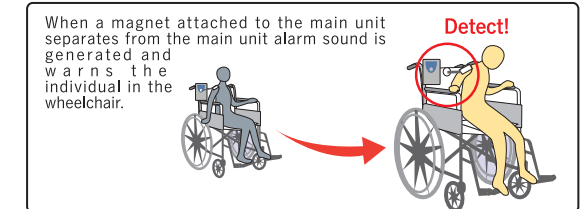
## Magnet Sensor

## Magnet Sensor



When a magnet attached to the main unit (a bed or a wheelchair) separates from the main unit an alert signal is sent wirelessly to a nurse call station or an alarm sound is generated to warn an individual in a wheelchair. Please see the diagrams below.

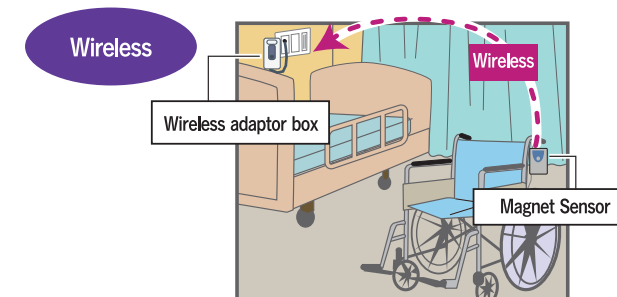
An example of when the Magnet Sensor is used for a wheelchair.



## Magnet sensor and NC-5000 Wireless Nurse Call System package (SN5000TXMG)

Excel's wireless adaptor box is used to connect the Magnet Sensor wirelessly. The detection signal will be transmitted to a nurse call station.

SNC5000TXMG



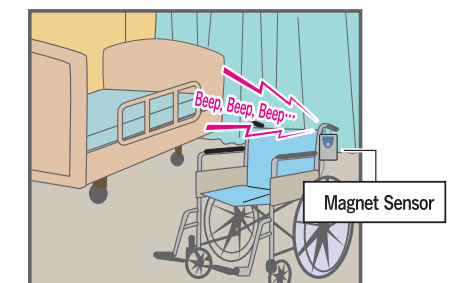
This package includes one Magnet Sensor and one Wireless Adaptor Box

## Magnet Sensor only (EMG-01)

An alarm sound warns the individual in the wheelchair. When the magnet is replaced on the main unit the alarm sound will stop.

EMG-01

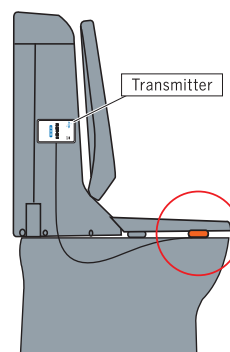
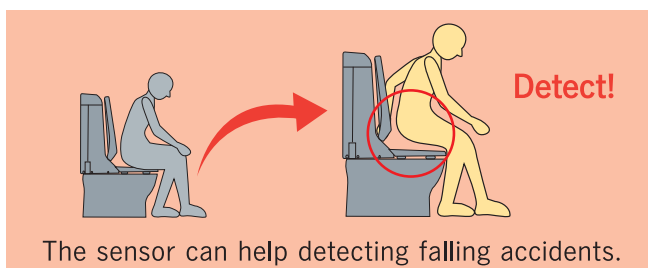
Alert an individual right there



# Toilet Sensor & Disposable Diaper Sensor

## Toilet Sensor (ETP56-5)

The sensor pads alert when an individual decreases the body weight pressure from the toilet seat or pad.



The sensor pad is placed underneath of the toilet seat.

To function as an on-site alert system for monitoring an individual's departure from the toilet seat, use the Toilet Sensor and EXC-02B together (see page 22).  
To Connect an existing Nurse Call System wirelessly, use the Toilet sensor and NC-5000 (see page 9-10) together.

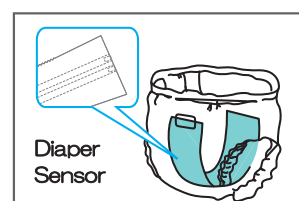


Water-Resistant  
& Antibacterial

Toilet Sensor (ETP56-5)

## Disposable Diaper Sensor

The sensor alerts when the sensor gets wet! This will help a caregiver to know when to change the diaper. This sensor can be connected to an existing nurse call system wirelessly via NC-5000 (see page 9-10).



**Sensor Tapes (WCT):** The sensor tape is placed inside of the diaper. The tape consists of three layers (garment/aluminum/garment). This makes a user more comfortable when he or she wears the diaper.

65 x 410mm



This is a onetime-use disposable tape.

100 pieces WCT100

400 pieces WCT400

**Sensor Tape Built-in Pads (WCP):** This built-in sensor tape pad absorbs moisture. There are 30 pads in this item.

210 x 490mm  
Absorbable capacity : 500ml



This is a one-time-use disposable tape.

WCP500

**Diaper Sensor Transmitter (NC- 5000TXWA):** The transmitter can send a detection signal wirelessly to a receiver.



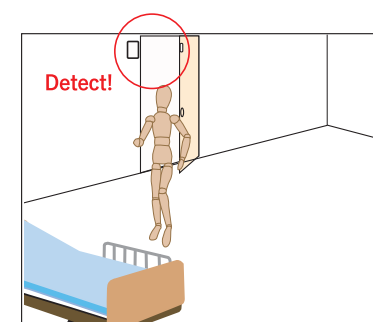
NC-5000TXWA

# Door/Corridor Sensor

When the door opens it detects!

Door Sensor Plus uses the Magnet Sensor and the Accelerometer Sensor. This product can be installed on a surface where a magnet cannot be used. It is best suited for monitoring a care recipient who wanders time to time or simply monitoring the usage of the door, open and shut.

## Door Sensor Plus

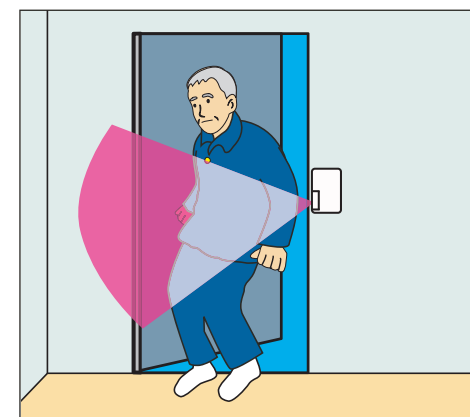


Door Sensor Plus Options:

- Door sensor Plus with NC-5000 (NC-5000TXDR2)
- Door sensor Plus with NC-9000 (NC-9000TXDR)

## Exit and Entrance: Infrared Sensor(RH-5000TXIR)

The infrared Sensor can detect an infrared generated from a person and alert a caregiver via NC5000 (see page 7-8).



38 x 109 x 69mm

Door Sensor RH-5000TXIR



# SRH9000 : This is a long-term care insurance rental approved product

## SRH9000 product features

This is a wireless wandering/departure detection sensor system for individuals with dementia. When a care recipient's departure from the bed is detected, the receiver starts an alarm or a melody sound to notify a caregiver. Since the system uses a **920 MHz radio transmission frequency with LoRa (Long Range Radio) technology**, the **wireless signal range** could reach up to several kilometers in a straight line, and 100-300m within a building without a repeater.

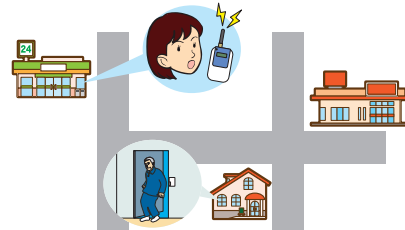
- 1 The system is suited to use in a multi-story high raising building.



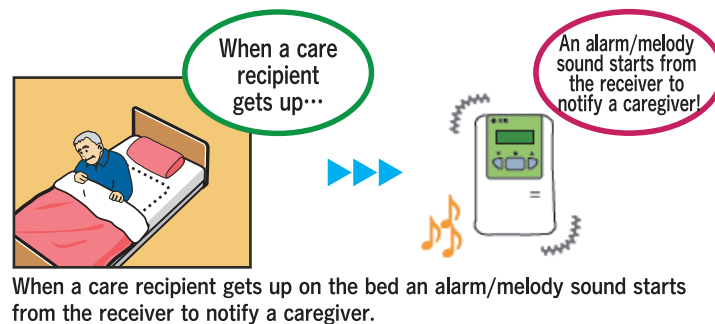
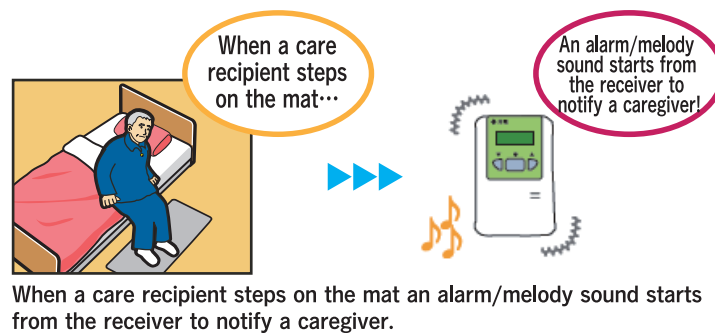
- 2 The system is suited to use between buildings.



- 3 The system is suited to use within a neighborhood. When the system is used in a residential area the wireless signal can reach up to several hundred meters.



## SRH9000 with Portable Receiver Package



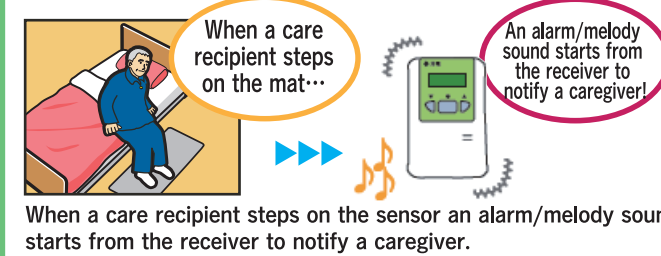
- Special features:
- Use the sensor mat that serves as a bed and a floor sensor. A switch located on the transmitter can change the functions of the sensor either "getting up from the bed" or "leaving the bed" detection.



### SRH9000-P

This package includes: One Sensor mat, one transmitter, and one portable receiver

## SH9000 with Floor Sensor & Portable Receiver Package

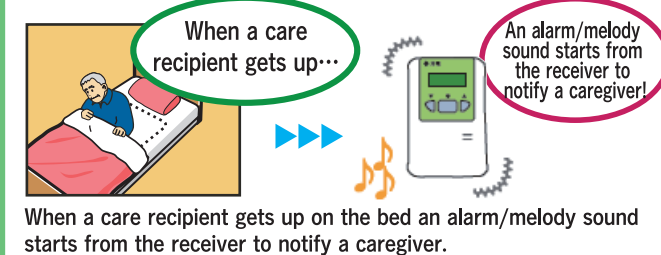


### SH9000-P

This package includes : One Floor sensor, one transmitter, and one portable receiver



## SH9000 with Bed Sensor & Portable Receiver Package

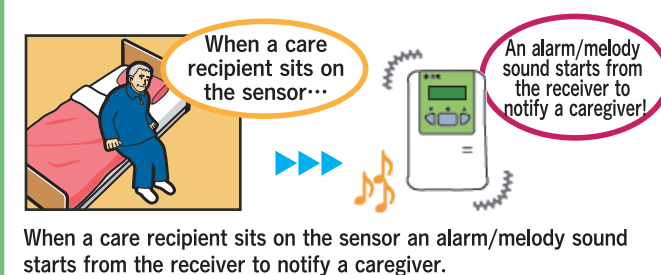


### SR9000-P

This package includes : One Bed sensor, one transmitter, and one portable receiver



## SR9000 with a Plate Sensor/ Portable Receiver Package



### SR9000-PS-P

This package includes : One Plate sensor, one transmitter, and one portable receiver



## Base Receiver Package



### NC-9000RX

- Can register up to 16 channels
- AC adapter

## SRH9000 with Base Receiver Package

### SRH9000

This package includes : One sensor mat, one transmitter, and one Base Receiver

## SH9000 with Floor Sensor & Base Receiver Package

### SH9000

This package includes : One Floor sensor, one transmitter, and one base receiver

## SH9000 with Bed Sensor & Base Receiver Package

### SR9000

This package includes : One Bed sensor, one transmitter, and one base receiver

## SR9000 with a Plate Sensor/ Base Receiver Package

### SR9000-PS

This package includes : One Plate sensor, one transmitter, and one portable receiver

## SH6900: This is a long-term care insurance rental approved product



See the instructional manual

SH6900 series is a long-term care insurance rental approved product.  
SH6900 detects an individual's departure from the bed and departure from the room, and helps to prevent falling accidents.

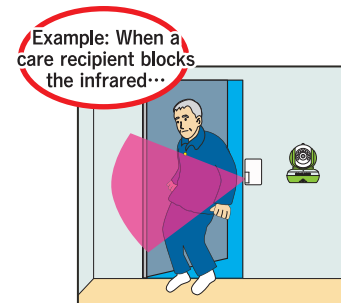
SH6900 with Infrared Sensor to detect both "getting up from the bed" or "leaving the bed" activities.



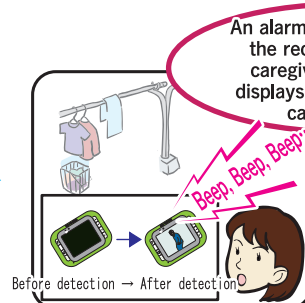
- This wireless system's network coverage reaches up to approximately 100m in a straight line.
- The batteries are rechargeable. When the batteries need to be recharged the device informs a user.
- The Wandering/Departure Detection sensors can be registered as desired.
- The system is wireless, and no cables are required to install.

### Specifications:

Wireless Transmission Method: 2.4 GHz Digital transmission Receiver (155g)  
Dimensions: 125 x 90 x 23mm  
Power: Lithium-Ion Polymer rechargeable battery built-in and an AC adapter included Transmitter (205g)  
Dimensions: 98 x 89 x 85mm  
Power: Lithium-Ion Polymer rechargeable battery built-in and an AC adapter included



Example: When a care recipient blocks the infrared...



An alarm sound starts from the receiver to notify a caregiver! The monitor displays the picture of the care recipient.

When a registered detection sensor in the transmitter is activated and the alarm sound starts on the receiver the receiver only displays the picture of the care recipient for 30 seconds. If the transmitter is not activated and no alarm sound starts the receiver does not display the picture of the care recipient.

## SH6900 with Floor Sensor Package



When a care recipient steps on the mat...

An alarm sound starts from the receiver to notify a caregiver! The monitor displays the picture of the care recipient.

When a care recipient steps on the mat notify a caregiver. It is recommended to install the Floor sensor by the bed or the entrance door of the care recipient's room.

JAN Code : 4582107671100 TAIS Code : 00682-000035

### SH6900



450 x 800 x 4.5 mm

## SH6900 with Bed Sensor Package



When a care recipient gets up...

An alarm sound starts from the receiver to notify a caregiver! The monitor displays the picture of the care recipient.

When a care recipient gets up on the mat notify a caregiver. It is recommended to install the Bed sensor between a mattress pad and mattress just under the care recipient's shoulder blades when he/she lays down.

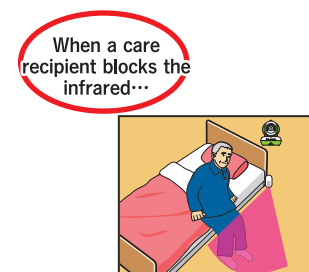
JAN Code : 4582107671117 TAIS Code : 00682-000036

### SR6900



390 x 850 x 1.5 mm

## SH6900 with Infrared Sensor Package



When a care recipient blocks the infrared...

An alarm sound starts from the receiver to notify a caregiver! The monitor displays the picture of the care recipient.



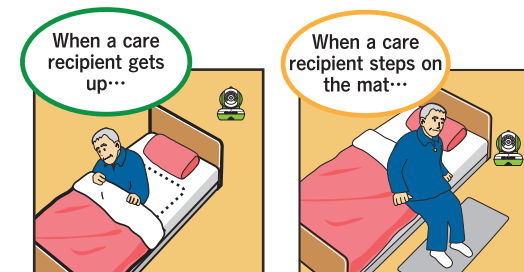
38 x 109 x 69 mm

When a care recipient blocks the infrared notify a caregiver. It is recommended to install the Infrared sensor by the bed or the entrance door of the care recipient's room.

JAN Code : 4582107671711 TAIS Code : 00682-000034

### SH6900-MS2

## SH6900 with Bed/Floor Sensor Package



When a care recipient gets up...

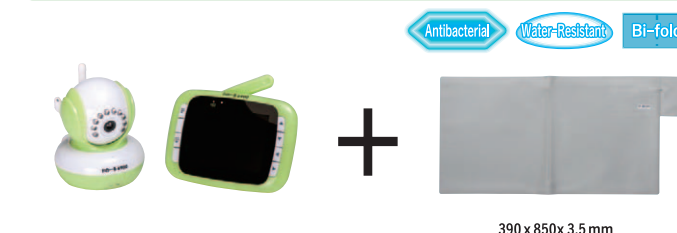
When a care recipient steps on the mat...

An alarm sound starts from the receiver to notify a caregiver! The monitor displays the picture of the care recipient.

This sensor mat serves as a bed and a floor sensor (i.e., "getting up from the bed" or "leaving the bed" detection).

JAN Code : 4582107671643 TAIS Code : 00682-000037

### SRH6900-LS



390 x 850 x 3.5 mm



# iBaby Senior



- iBaby has the following sensors
- Motion sensor
  - Sound sensor
  - Temperature sensor
  - Humidity sensor



\*A Wi-Fi connection is required

Alert/Video/talk etc.

	 + 	iBaby Senior with Floor
	SH7100	
	 + 	iBaby Senior with Bed Sensor
	SR7100	
	 + 	iBaby Senior with Plate
	SP7100	
iBaby Senior	 + 	iBaby Senior with Infrared Sensor
RH7100	SK7100	

# EXC-02S-B: On-site alert system for monitoring an individual departing from a bed or a wheelchair



- This is a long-term care insurance rental approved product
- This is an on-site alert device. It alerts a care recipient when he or she leaves from the detection sensor mat
- The detection sensor can be used in a wheelchair

EXC-02S-B

# Homecare Wireless Nurse Call System HT-150



- Additional receivers can be added. Each capable of having up to 45 transmitters
- This portable receiver has a strap to prevent dropping.
- Each transmitter number is displayed.

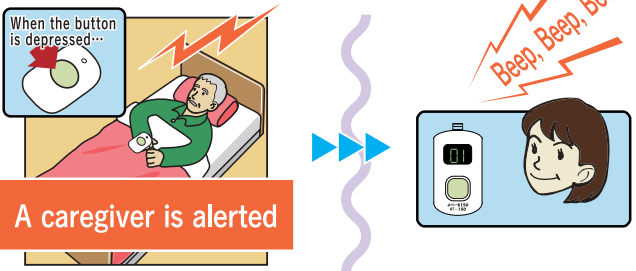


HT-150MRX

\*Transmitter is not included

Additional transmitter  
HT-150TX

# Portable Call Button



Specifications		
Wireless Transmission Method	Specified low power radio frequency Easy replacement battery - The transmitter uses a coin battery (CR2032).	
Transmitter	Dimensions: 35 x 15 x 62mm Power: Coin battery (CR2032) included	weight : 25g
Receiver	Dimensions: 70 x 125 x 60mm Power: A built-in battery and an AC adapter included	weight : 129g

# Homecare Wireless Nurse Call System: NRM-6900



Transmitter/IP Camera Receiver/Monitor

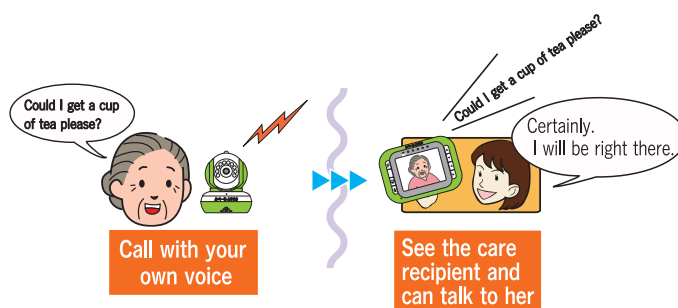
**NRM-6900**

- Rechargeable
- Voice and Live Video
- Conversation
- Camera direction change
- Temperature
- External sensor

- This is a wireless video monitoring system.
- The wireless signal range reaches approximately 100m in a straight line.
- \*When a receiver leaves outside of the wireless signal reaching range the receiver displays a message and starts an alarm sound.
- Various detection sensors can be connected to this system wirelessly.
- The directions and angles of the transmitter/IP camera can be adjusted from the receiver/monitor.
- There is a thermal sensor built in.
- It is a 2-way wireless voice communication device.
- Transmitter/IP camera is rechargeable.

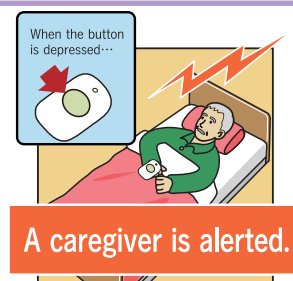
Time taken to be fully charged: approximately 3 hours for both receiver and transmitter when the devices are turned off.  
Battery life when it is fully charged is approximately 4 hours for the receiver/monitor and 1.5 hours for the transmitter

Specifications:  
Wireless Transmission Method: 2.4 GHz Digital transmission  
Receiver (155g including a battery)  
Dimensions: 125 x 90 x 23mm  
Power: Lithium-Ion Polymer rechargeable battery built-in and an AC adapter included  
Transmitter (205g including a battery)  
Dimensions: 98 x 89 x 85mm  
Power: Lithium-Ion Polymer rechargeable battery built-in and an AC adapter included



Package

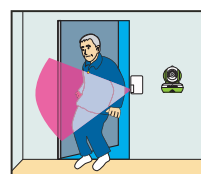
## ●Call Button Set SNRM6900-C



When a care recipient pushes the call button

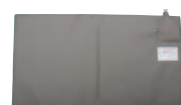
Detection Sensor Options

## ●Infrared Sensor P26



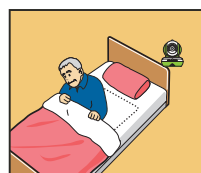
38 x 109 x 69mm

## ●Floor Sensor P17



450 x 800 x 4.5mm

## ●Bed Sensor P18



390 x 850 x 1.5 mm

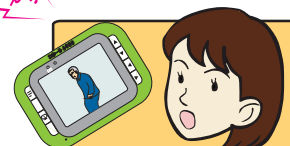
When a care recipient opens the door the sensor is activated

When a care recipient steps on the sensor is activated

When a care recipient gets up the sensor is activated

The receiver alerts the caregiver!

Beep, Beep, Beep...



# Optional Accessories

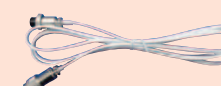
We have a variety of nurse call connector cables and adaptors to meet your needs.

## Nurse call connector cable for MS-3100B: MS-03



This connector cable can be connected to MS-3100B and an Excel's Adaptor box.

## Extension cable for 2P metal connector: CC06



This an extension cable for 2P metal connector. The normal length of the cable is 2m; however, the length can be customized for a longer length.

## Modular jack to 3.5 mm mini plug adaptor: CC09



This adaptor can be connected to a detection sensor with a modular jack and to a 3.5 mm mini plug.

## 2P metal connector to 3P metal connector adaptor: CC11



This adaptor can be connected to a detection sensor with a 2P metal connector and to a 3P metal connector.

## Modular jack to 2P metal connector conversion adaptor: CC14



This adaptor can be connected to a detection sensor with a modular jack and to a 2P metal connector.

## 3.5 mini plug to 2P metal connector conversion adaptor: CC16



This adaptor can be connected to a detection sensor with 3.5 mini plug and to a 2P metal connector.

## Hybrid Sensor cable for Modular jack CC57-1



This cable can be connected to a hybrid detection sensor and to a modular jack.

## Nurse call connector cable for EXC-02: CC02



This connector cable can be connected to EXC-02 and an Excel's

## 2P metal connector to modular adaptor: CC05



This adaptor can be connected to a detection sensor with a 2P metal connector and to a modular jack.

## RCA cable to 2P metal connector conversion adaptor: CC08



This adaptor can be used to connect a RCA cable and 2P metal connector

## 2P metal connector to 3.5 mini plug adaptor: CC10



This adaptor can be connected to a detection sensor with a 2P metal connector and to a 3.5 mm mini plug.

## 3.5 mini plug to modular conversion adaptor: CC13



This adaptor can be connected to a detection sensor with 3.5 mini plug and to a modular jack.

## 2P metal connector to RCA cable adaptor: CC15



This adaptor can be used to connect a 2P metal connector and a RCA cable.

## Modular jack to RCA cable conversion adaptor: CC17



This adaptor can be connected to a detection sensor with a modular jack and to a RCA cable

## Hybrid Sensor cable for 2P metal connector: CC57-2



This cable can be connected to a hybrid detection sensor and to a 2P metal connector.



Product Specifications

Application	Call Request		Monitor displays a care recipient and sensor detection	
Name of Product	よへーるI50		よへーる6900	
	Multi Receivers	Transmitter	Receivers	Transmitter
Product Number	HT-I50		NRM-6900	
	HT-I50MRX	HT-I50TX	NRM-6900RX	NRM-6900TX
Price				
Alert Method	—	Push button	—	Floor sensor Bed Sensor Infrared sensor
Alert Sound	Alarm Sound	—	Alarm Sound	—
Alert Sound Levels	4 Levels	—	Fixed	—
Continuous Ringing Time	Approx. 20sec	—	Approx. 30sec	—
Signal Transmission Range (straight line)	Approx. 50m		Approx. 100m	
Input	—	—	—	—
Power	AC adapter (DC5V/50mA) /designated rechargeable battery	One Coin battery CR2032 (3V)	AC adapter (DC5V/1A) /lithium ion polymer rechargeable battery	AC adapter (DC5V/1A) /lithium ion polymer rechargeable battery
Recharging Time	Approx. 8 hours	—	Approx. 3 hours	Approx. 3 hours
Battery Life	Approx. 30 hours	Approx. 2 years	Approx. 4 hours	Approx. 1.5 hours
Low Battery Indicator	Flashing the receiving light (every 5 sec	Transmission light becomes dim	Displays a message on the screen	Power LED light flashes green
Accessories	—	—	One cable for monitor display (output)	
Dimensions (mm)	70×60×125	35×15×62	125×90×23	98×89×85
Weight (g)	129	25	155	205
Technical Number	—	208-160024	208-170018	
Materials	ABS			

Product Name	Cordless Infrared Sensor	Transmitter for sensors
Product Number	RH-5000TXIR	RH-5000TXBF
Price		
Alert Function	—	—
Alert Volume	—	—
Continuous Ringing Time	—	—
Display	—	Alarm light
Input	—	3.5φ stereo jack
Receiving Channel	—	—
Wireless Specifications	Modulation method: GFSK Signal frequency bandwidth: 2.4GHz	
Power	AC adapter (DC9V/300mA) /9V alkaline battery	One Coin battery CR2032 (3V)
Battery Life	—	Approx. 1 year
Transmitter Battery Life Alert	Alarm notification	—
Accessories	—	—
Dimensions (mm)	38×109×69	41×69×9
Weight (g)	140	23
Materials	ABS	

Functions	Monitor displays a care recipient and sensor detection		Sensor detection		
Product Name	わかーる6900		わかーる9000		
	Receiver	Transmitter	Base Receiver	Portable Receiver	Transmitter
Product Number	RH-6900		RH-9000RX	RH-9000PRX	RH-9000TXBF
	RH-6900RX	RH-6900TX			
Price					
Alert Method	—	Floor sensor Bed se nsor Infrared sensor	Sound Light	Sound Vibration	—
Alert Volume	Alarm sound	—	—	—	—
Alert Volume Adjustment	Fixed	—	10 levels	Loud and quiet	—
Continuous Ringing Time	Approx. 30sec	—	Until reset		—
Signal Transmission Range (straight line)	約100m		—		
Input	—	—	—	—	3.5φ stereo jack
Power	AC adapter (DC5V/1A) /lithium ion polymer rechargeable battery	AC adapter (DC5V/1A) /lithium ion polymer rechargeable battery	AC adapter (DC9V/300mA)	AC adapter (DC6V/300mA) /lithium ion polymer rechargeable battery	2 AAA batteries
Recharging Time	Approx. 3 hours	Approx. 3 hours	—	—	—
Battery Life	Approx. 4 hours	Approx. 1.5 hours	—	—	Approx. 1 year
Low Battery Indicator	Display on the screen	Power LED light flashes green	Alarm light flashes	Display on the screen	Alarm light flashes
Dimensions (mm)	125×90×23	98×89×85	160×140×30	60×91×20	50×85×18
Weight (g)	155	205	252	68	56
Technical Number	208-170015		—		
材 質	ABS				

System Name	NC5000 Wireless Nurse Call System								
Name of Product	Base Receiver	Portable Receiver	Adapter Box	Call Button	Mini Transmitter	Door Sensor Plus	Magnet Sensor Transmitter	Repeater	Mini Repeater
Product Number	NC-5000RX(C)	NC-5000PRX2	NC-5000NRX-10~26	NC-5000TXPB	NC-5000TXBF	NC-5000TXDR2	NC-5000TXMG	NC-5000RP(C)	NC-5000RP2
Price									
Alert Function	Sound & Light	Sound & Vibration	Nurse Call Connection	—	—	—	—	—	—
Alert Sound Volume	11 levels	Loud & quiet	—	—	—	—	—	—	—
Continuous Ringing Time	Until reset		—	—	—	—	—	—	—
Display	Power light Alarm light	Power light Monitor display	Power light 3 transmitter lights Pause light	Alarm light		Alarm light	Transmitter light	Power light Alarm light	Alarm light
Input	—	—	—	Push button	3.5φ stereo jack	—	—	—	—
Receiving Channels	16	63	3	—	—	—	—	—	—
Wireless Network Specifications	Modulation method: GFSK    Signal frequency bandwidth: 2.4GHz								
Power	AC adapter (DC9V/200mA)	AC adapter (DC6V/300mA) /lithium ion polymer rechargeable battery	AC adapter (DC5V/300mA)	2 AAA batteries	One Coin battery CR2032 (3V)	2 AAA batteries	2 AA batteries	AC adapter (DC9V/200mA)	Electrical outlet connection
Battery Life	—	—	—	Approx. 1 year		Approx. 1 year	Approx. 1 year	—	—
Transmitter Battery Life Alert	Flashing alarm light	Display on the screen	Flashing transmitter light	Flashing alarm light		Flashing alarm light	Flashing transmitter light	—	—
Accessories	Whip antenna	Belt clip strap	Bed hanger	—	—	Magnet	Hanger	Whip antenna	—
Dimensions	160×140×30	60×91×20	82×157×33	50×85×18	41×69×9	44×60×24	62×31×111	160×140×30	77×86×37
Weight	252	68	200	56	23	55	140	240	90
Materials	Housing:ABS								

System Name	NC9000 Wireless Nurse Call System				
Product Name	Base Receiver	Portable Receiver	Adapter Box	Transmitter	Magnet Sensor Transmitter
Product Number	RH-9000RX	RH-9000PRX	NC-9000GW	RH-9000TXBF	NC-9000TXMG
Price					
Alert Function	Sound & light	Sound & vibration	—	—	—
Alert Sound Volume	10 levels	Loud & quiet	—	—	—
Continuous Ringing Time	Until reset		—	—	—
Display	Power light Alarm light	Charging light & display	Power light Alarm light	Alarm light	Transmitter light
Input	—	—	—	3.5φ stereo jack	—
Receiving Channels	16	100	—	—	—
Wireless Network Specifications	Signal frequency bandwidth: 9200MHz				
Power	AC adapter (DC5V/300mA)	AC adapter (DC6V/300mA) /lithium ion polymer rechargeable battery	AC adapter (DC5V/300mA)	2 AAA batteries	2 AA batteries
Battery Life	—	—	—	Approx. 1 year	
Transmitter Battery Life Alert	Flashing alarm light	Display on the screen	—	Flashing alarm light	Flashing transmitter light
Accessories	—	Belt clip strap	—	—	Hanger
Dimensions (mm)	160×140×30	60×91×20	160×140×30	50×85×18	62×31×111
Weight (g)	252	68	240	56	140
Materials	Housing:ABS				

System Name	NC5000	NC9000
Product Name	Nurse call button	Diaper sensor transmitter
Product Number	NC-5000TXNCB	NC-5000TXWA
Price		
Input	Push button	Metal clump
Wireless Network Specifications	Modulation method: GFSK Signal frequency bandwidth: 2.4GHz	
Battery Life	Approx. 1 year	Approx. 1 year
Power	One Coin battery CR2032 (3V)	One Coin battery CR2032 (3V)
Accessories	Strap	—
Dimensions (mm)	112×50×30	43×53×13
Weight (g)	44	29
Materials	Housing: ABS	Housing: ABS

Product Name	Magnet sensor
Product Number	EMG-01
Price	
Alert Function	Sound
Alert Volume	High: approx. 95dBA Low: approx. 85dBA
Continuous Ringing Time	Until magnet reattaches
Display	Battery life display light
Power	3 AA batteries
Battery Life	Approx. 1 year
Low Battery Display	Flashing battery life display light
Accessories	Hanger
Dimensions (mm)	62×31×111
Weight (g)	160
Materials	Housing: ABS

About Our Company

About Our Company

Name of Company: Excel Engineering Co., LTD

Address: Seika Building 9F, 2-12-14 Kandaogawamachi, Chiyoda-ku, Tokyo, Japan 101-0052

Phone: 03-5280-7120 Fax: 03-5280-7123

Date Founded: December 1996

Capital : 50 million yen

President and CEO: Katsunori Yasuoka

The banks that we do business with: MUFG Bank Shintomicho branch, Mizuho Bank Kanda Ogawacho

Branch, and Mitsui-Sumitomo Bank Kanda Branch

History

December, 1996

Excel Engineering Co., LTD was founded

February, 1997

Excel Engineering Hong Kong was founded

April, 1999

"Leaving from the bed" Detection Sensor was first sold

April, 2000

Act for Enforcement of the Long-Term Care Insurance Act

April, 2002

The Home Care Wireless Monitoring Systems NRM series and Wireless Diaper Sensor (WS-900) were first sold

May, 2002

"Departing from the bed" Twin-pad detection sensor package was first sold

June, 2003

Excel Engineering Osaka Branch was opened NRM190 was first sold

March, 2003

Excel Engineering main office was moved to Shintomi, Chuo-ku, Tokyo

October, 2004

Pad-Less Wheelchair Detection Sensor was first sold Wireless Nurse Call System was first sold

May, 2005

Excel Engineering main office was moved to Muromachi, Nihonbashi, Chuo-ku, Tokyo

October, 2005

Takamatsu branch was opened

October, 2006

Infrared Double Sensor was first sold

December, 2008

Wireless Nurse Call System (NC-5000) was first sold

April, 2009

Nagano Distribution Center was opened

January, 2014

Takamatsu office was relocated due to business expansion

October, 2014

Exhibited at the International Home Care & Rehabilitation Exhibition (H.C.R) for the 10th consecutive year

November, 2014

Exhibited at MEDICA trade Fair in Germany for the 5th consecutive year

March, 2015

Started repair service for care facility products at Nagano office

April, 2015

Established Yobe-ru CO., LTD which provided home care products

May, 2015

Contracted with Bio Silver CO., LTD to expand sales business for products related to "getting up from the bed" and "departing from the bed" detection system

April, 2016

Yobe-ru CO., LTD' s home care product was first sold

October, 2016

Yobe-ru CO., LTD, Tokyo office was open

February, 2017

Contract with Bio Silver CO., LTD ended

May, 2017

Excel Engineering main office was moved to Kanda-Ogawamachi, Chiyoda-ku, Tokyo

April, 2018

Cloud-Based Total Care System was first sold

October,2018

NC9000 infrared detection sensor system was first sold

Company's Information

Excel Engineering Co., LTD.

<http://www.excel-jpn.com>

Headquarter/Tokyo Office: Seika Building 9F, 2-12-14 Kandaogawamachi, Chiyoda-ku, Tokyo, Japan 101-0052

Phone: 03-5280-7120 Fax: 03-5280-7123

Takamatsu Office: 835-1 Kita-Chou,Takamatsu, Kagawa, Japan 760-0080

Nagano Office (Facility Repair Department): 495-36 Akiwa-Toiya-Machi, Ueda, Nagano, Japan 386-0041

Phone: 0268-75-7140 Fax: 0268-75-7141

Product Name	Hybrid Floor Sensor Size: Sma	Hybrid Floor Sensor Size: Medium	Hybrid Floor Sensor Size: Large	Cordless Bed Sensor Size: Wide	Bed Sensor Size: Wide	Bed Sensor Size: Regular
Product Number	EFM-57/S-C	EFM-57/M-C	EFM-57/L-C	EPB58-W-2	EPB54-W-I	EPB54
Price						
Output	3.5φ mono plug / 2P metal connector / 4/4 modular plug			3.5φ mono plug	4/4 modular plug	
Dimensions	450×800×4.5	600×900×4.5	600×1200×4.5	390×850×1.5	390×767×6.5	125×765×1.5
Weight	880	1550	2200	500	540	200
Materials	PVC					
Cable Length (mm)	2500			—	2000	

Product Name	Small Cordless Side-Rail Sensor Pad	Cordless Side- Rail Sensor Pad	Cordless Long-Life Detection Mat	Wheel Chair Sensor Pad		Toilet Sensor
				Wired	Cordless	
Product Number	EPB58-SR/S	EPB58-SR/L	EBF-55	EPC53	EPC59	ETP56-5
Price						
Output	3.5φ mono plug			4/4 modular plug	3.5φ mono plug	3.5φ mono plug
Dimensions	170×280×8	260×700×8	390×850×3.5	354×382×6.5	255×382×6.5	82×38×2
Weight	148	490	1200	220	180	28
Materials	PVC					
Cable Length (mm)	—			750	—	800

Product Name	Infrared Sensor	Infrared Sensor MS3000 Transmitter built in	Infrared Sensor MS9000 Transmitter built in
Product Number	MS-3100D	MS-3100E	NC-9000TXMS
Price			
Alert Function	Nurse call		
Display	LED lights: Power, Detection, Alert		
Detection Capacity	Area sensor: approx. 5m, 30 degrees Infrared sensors: approx. 1.3~1.75m, 3 beams		
Wireless Specifications	_____	Modulation method: GFSK Signal frequency bandwidth: 2.4GHz	Signal frequency bandwidth: 9200MHz
Output	Make contact		
Power	AC adapter (DC5V/300mA)		
Accessories	NC connection cord	_____	
Dimensions	155×110×40		
Weight	300	310	310
Materials	Housing: ABS		

Product Name	Wired Nurse Call Activation/ In-room Alert System
Product Number	EXC-05S
Price	
Alert Function	Sound, light, nurse call activation
Alert Volume	Loud: approx. 100dBA Medium: approx. 85dBA
Continuous Ringing Time	Until reset
Display	Power light, Alarm
Input	4/4 modular plug
Low Battery Indicator	6φ mono jack Contact pressure resist: 60V Contact current: 400mA ON resistance: 7Ω
Power	AC adapter (DC6V/100mA) / 2 AAA batteries
Battery Life	Approx. 1 year
Low Battery Indicator	Flashing alarm light
Accessories	Bed hanger
Dimensions (mm)	60 x 25 x 120
Weight (g)	113
Materials	Housing: ABS

Functions	Sensor Accessories					
Product Name	Nurse call connection cable	Long stand	Short stand	Bed holder	Adjustable angle connector	2PNC cable
Product Number	CC02	MS-3000-2	MS-3000-3	BH-2	PT-I	MS-03
Price						
Output	2P metal connector	—	—	—	—	2P metal connector
Dimensions (mm)	—	Height: 600~1100	Height: 600~1100	100 x 170 x 70	41 x 68	—
Weight (g)	70	2700	1400	165	68	90
Materials	—	Fe	Fe	ABS	—	—
Cable Length (mm)	2000	—	—	—	—	2000