



Product Introduction

[Smart Pet Feeder]

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www.freepet.co.kr

General Information

Company name	SHIN SUNG Corporation
Date of establishment	September 22, 2003
Sector	Automobile parts, Electronic devices, robots, Automation equipment
CEO	LIM EUN SUAB
Number of employees	42 (2015)
Gross turnover	89 Billion (won) (2015)
Capital	7 Billion (won) (2015)
Adress	42,jung-ro, jingok-industrial, complex ,Gwangsan-gu,Gwangju,Korea
Major customers	Kia Motors, Hyundai Mobis, Mando, Sejin
Home page	http://www.sstop.net



Business
Areas

Global Company

Move to global enterprise

Automotive part

Companion
animal goods

Automation
equipment

Robot solution

Over half of American households have pets. Taking care of these pets can sometimes be a chore.

Our total pet care system allows pet owners to conveniently feed their pets with little to no human interaction, and it allows them to freely leave their home without worrying about their pets anymore.

The system is the first and only device which is capable of both feeding and monitoring their pets. Its main components consist of the timer, a wireless internet interface, and an automatic feeding mechanism, high resolution camera, smart phone application, etc.

The pet owners can also configure the device to feed their pet at scheduled time intervals and by using the “Alarm” function, they can be reminded of their pet’s feeding time.

Thanks to the internet connection(wire/wireless), if they are kilometers far away, they can still watch their pets at home, and even the pets can see their owners through two way communication functions.

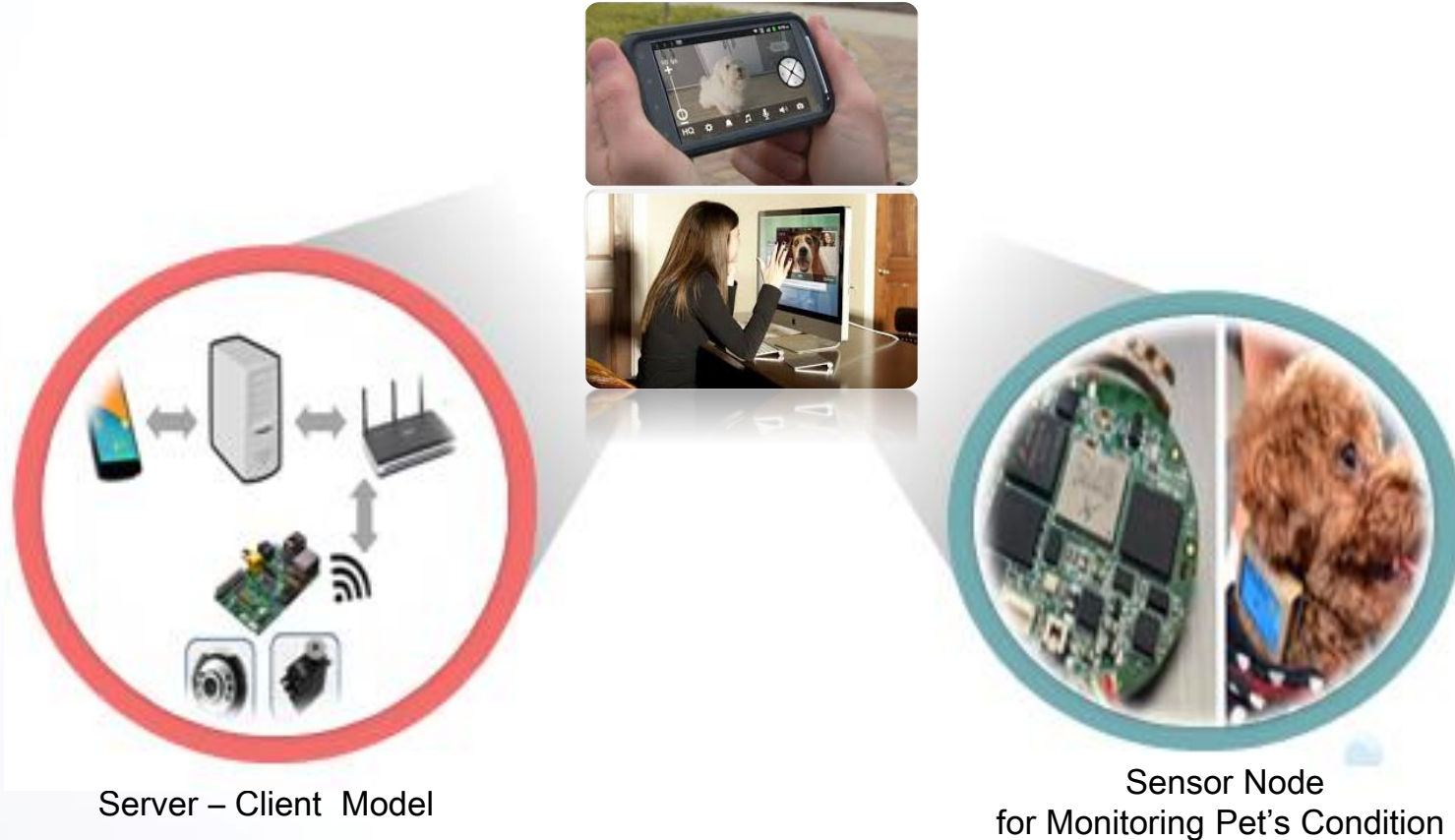


Motivation

- Our total pet care system modifies an existing product that will make all pet owners feel more secure and reliable. The system introduces the powerful features of two-way communication including the automatic feeding function. These new features tailor to the needs of the pet and the pet owner's lifestyle, providing convenience and reliability.

Background

- Pet monitors on the market support one-way communication only. This issue can make the pets feel uneasy and this can make the device a thing left alone. Our product hopes to solve this problem by using two-way communication mechanism.
- The technology we also have can provide an additional feature such as a health care for pets using sensor nodes. Each function will be modularized to make it easier to add a new feature with sensor network.



- ❖ Check pet's condition in remote place using smart phone
- ❖ Provide two-way communication service using server-client model
- ❖ Add a new function(Health Care, etc) using a sensor node



What is Free-Pet?

Free-Pet, as the name implies, is a smart, state-of-the-art caring device that takes care of your loving pet when you have to leave your pet at home. Using wireless internet connection and camera, you can now monitor and feed your pet from your smart phone from anywhere. You can also configure the device to feed your pet at scheduled time intervals and by using the "Smart Call" function, you can be reminded of your pet's feeding time.

Free-Pet is not just a feeding device but is a creative means of maximizing the sense of union with your pet. With Free-Pet, you don't have to worry about leaving your pet alone at home.



Product features

- ◆ High definition video call function (HD 720p support)
- ◆ Built-in high resolution camera (2 million pixels)
- ◆ Connect to internet wirelessly (with Wi-Fi)
- ◆ Motion/Sound detection automatic call function
- ◆ Sophisticated and diverse feeding functions
- ◆ Hygienic and scrupulously designed feeder with detachable plate
- ◆ Stylish and luxurious design
- ◆ Support iPhone and Android smart phones



Product functions(1)

◆ Feeder function

- Programmable to set 20 meals a day
- Feed remotely anywhere using the smart phone app

◆ Voice recording

- Voice recording up to 20 seconds
- Pre-recorded voice will be played automatically before meal time (ex : Puppy, time for food~)

◆ Wireless internet

- Simple installation without internet cables
- Convenient initial settings via sound recognition



Product function(2)

- ◆ Video call
- ◆ High-definition(HD) video calling via smart phone app
- ◆ Support two-way audio
- ◆ Image capture and video recording function
- ◆ Automatic Smart Call
- ◆ Automatic call sent to pet owner when movement or sound is detected
- ◆ Smart Call function can be switched on or off
- ◆ Device setting
- ◆ Easy device setup using your smart phone
- ◆ Firmware upgradeable



Product specifications

- ◆ Supports wireless LAN (Wi-Fi) connectivity : IEEE802.11bgn
- ◆ Camera : 2 megapixels (support HD 720p)
- ◆ Voice recording time : up to 20 seconds
- ◆ Adapter input voltage : AC100 ~ 240V
- ◆ Device input voltage : DC+11 ~ 13V
- ◆ Power consumption : <2W at Standby, <5W at Calling (monthly electricity consumption < 2kWh)
- ◆ Operating time of backup battery for RTC : >10 years (when not in use)
- ◆ Operating temperature : 0 ~ 60°C (Storage temperature: -10 ~ 70°C)
- ◆ Feed storage tank capacity : about 700g
- ◆ Usable feed types : granular dried feed (5~10mm)
- ◆ Feeding amount : adjustable in 5g increments between 5 and 100g
- ◆ Targeted companion animals : puppies and small dogs under 10Kg and all kinds of cats
- ◆ Dimensions : 320mm x 350mm x 170mm
- ◆ Weight : about 3kg

Thank you



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