Smart home solutions

Intelligence ·) Life
Human ·) Oriented

CONTENTS

Comfortable
Safe
Intelligent
Energy saving

In the hot summer, my dear u, driving a car, in the meanwhile sending a message to have the air-conditioner operated in advance, and prepare your favourite with background music.

In the lazy winter, you, lying on the sofa in the dining room, can make a cup of coffee through a controller. There is no need to ture off the lights of other rooms only with a bottom of a controller.

The nervous security is no longer in the garden. Provided leakout, fire, broken-in, the belt will alarm to the service center. Even if you are at work, you will not be afraid. The intelligent home system will notice you by sending you a message.

Perhaps you consider it amazing, but in fact, it comes true. Because of the intelligent home, it makes your life comfortable, safe, intelligent and saving.

SAIPL intelligent home system is based on humanity, combining high-technology and comfortable living standard perfectly. SAIPL creates a newly-started intelligent home system.

Let us walk into intelligent life each day, feel the Home Automation of SAIPL tighter... …

1 Touch screen
Touch screen can provide facility and fast control mode. Through the icon which can be distinguished easily, we can enjoy controlling of the subsystem of lighting control, curtain control, and background music control, air-condition control, security control, sound control, geothermic control, scene control, etc.

2 Security
System through integrating the profession high quality DVR and DVS image the alarm detect platform, at the same time, it put traditional infrared bijection, glass break, door iron, motion sensor, RFID identification, intimidation alarm in HDL security system module controller, and combine the advanced means of the unique intelligent audio, flashing lights, message platform, image store.

3 Lighting
Provise a warm and comfortable lighting environment for repast, receive a visitor, movie and entertainment. It can individual control and scene control through using terminal control equipment of strong panel remote control, mobile touch screen and Iphone to improve useful life of lamps and save energy.

4 Household music system
We can individual enjoy various music at home, which have sound source of FM reception, local MP3, HDL background music also has voice prompt senior function, such as go home/leave home voice prompt, security voice prompt , agenda voice prompt. All these make the background music be an essential member of home network system.

5 Monitoring camera device
It can set up mobile monitoring area reasonably through settings image monitor system in household each position to make image monitor system can hold the post of many security work, the image of illegal infiltration can be timely record to system, user can see visitors from internet or understand houses overall safety situation.

6 Power management
power management system can timely record electricity load of higher power equipment at home. The system can provide customers for energy consumption reference through analyzing whom is the power-hungry businesses, electricity rates, time ratio in a chat way.

7 Temperature controller
The link between intelligent temperature controller and intelligent control system can automatically generate zoning and scene mode, maximum save energy and provide a comfortable environment temperature.

8 Internet access and control
home network system configure remote connections of gateways, through that gateway, you can use your favorite mobile control terminals to control and monitoring the whole household status, such as the situation of video, doors and windows, coal gas, water valve, appliance, air-condition.

9 Telephone
Systems use simple and quick message control mode. No matter in any one corner of the world, HDL message system can provide you for facility and quick control channel, such as security open/close, open or close appliances, air-condition, floor heating thermostat, coal gas, water valve and lighting system.

10 Infrared displacement sensing monitoring
Motion sensor can detect human mobile is installed in indoor. It has owned detective logic of ambient brightness, temperature, stem node point as well as security logic function.

11 Vehicle tracking
The system can automatically distinguish vehicles, open garage door, open related lighting system and security system through RFID.
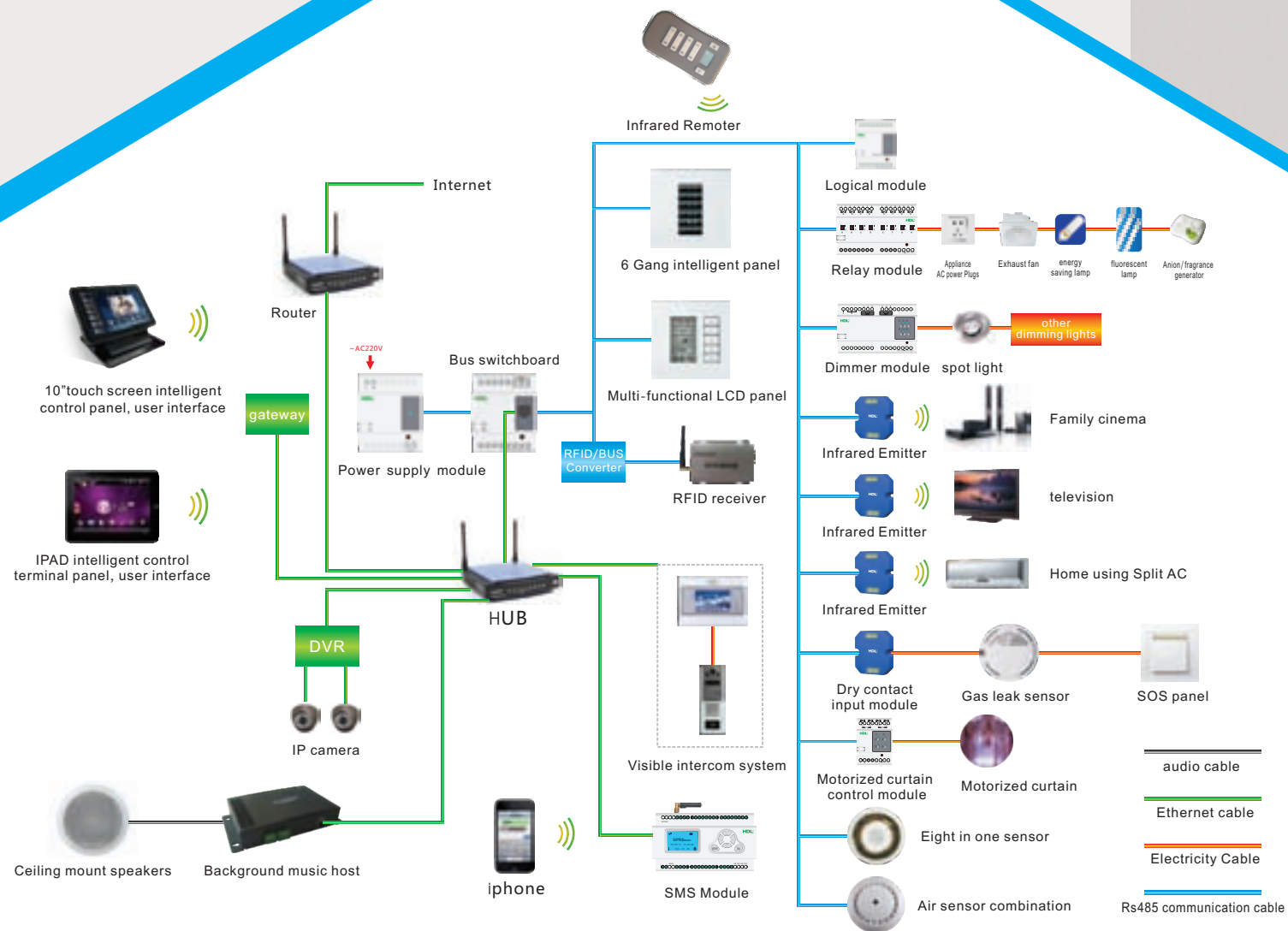
12 Irrigation
The system can decide whether opening irrigating system according to schedule and soil temperature.

13 Pool and spa
The system can control the water temperature and safety cover swimming pool, filter, solar energy according to your need.。
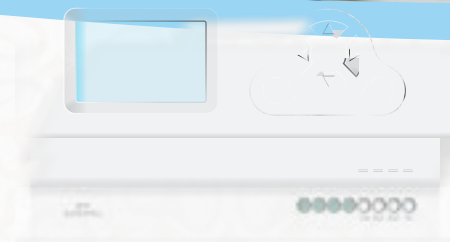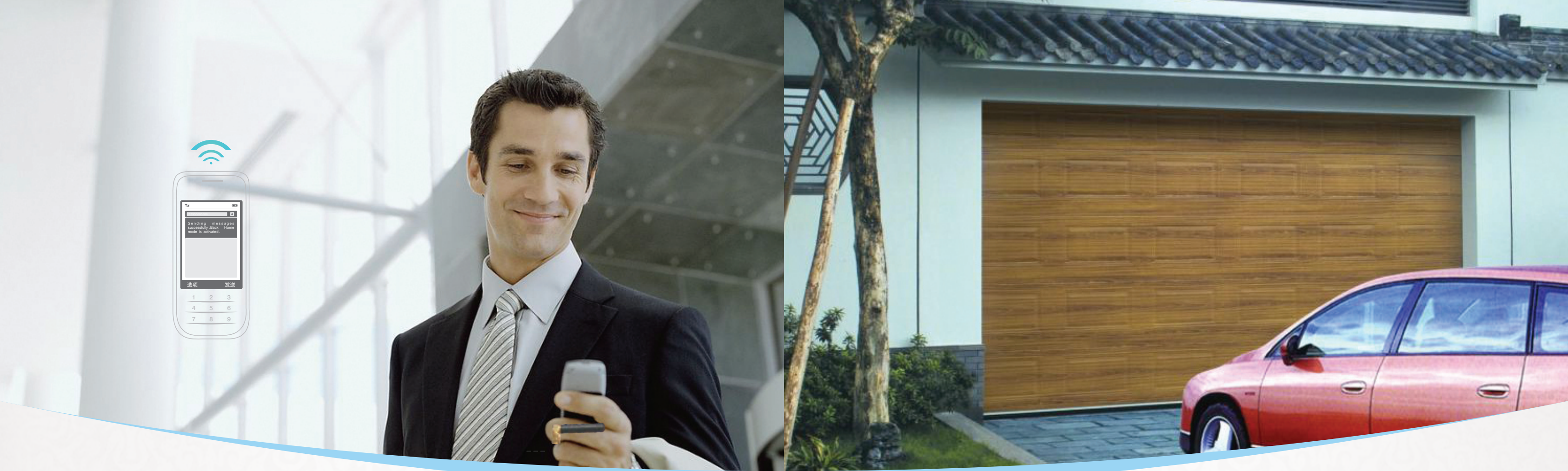
Smart home solutions
Comfortable life, realize easily

Infrared Remoter

Internet

Logical module

Router

6 Gang intelligent panel

Relay module

Appliance AC power Plugs   Exhaust fan   energy saving lamp   fluorescent lamp   Anion/fragrance generator

10"touch screen intelligent control panel, user interface

gateway

~AC220V

Bus switchboard

Multi-functional LCD panel

other dimming lights

Power supply module

Dimmer module   spot light

RFID/BUS Converter

RFID receiver

Infrared Emitter

Family cinema

IPAD intelligent control terminal panel, user interface

Infrared Emitter

television

HUB

Infrared Emitter

Home using Split AC

DVR

Infrared Emitter

IP camera

Dry contact input module

Gas leak sensor

SOS panel

Visible intercom system

audio cable

Motorized curtain control module

Motorized curtain

Ethernet cable

Ceiling mount speakers   Background music host

iphone

Eight in one sensor

Electricity Cable

SMS Module

Air sensor combination

Rs485 communication cable

HDL smart home system adopts the communication of industry field bus. Every single physical bus can handle 64 equipments; this single physical bus was named subnet. A large network is consisting of each subnet of physical bus, by using the Ethernet Gateway and HUB. HDL intelligent system can accommodate up to 60,000 equipments.

It is a distributed system, central Host is not needed, according to the real application, it is very easy to configure different product which has different functionality in HDL Smart Home System. It is unnecessary to increase too much additional wiring for increasing or decreasing the function of system, we can realize easily just increasing corresponding function module as well as doing simple settings.

Compared with ordinary system, HDL smart home system not only have the traditional function of living, but also providing comfortable and safe, high quality and pleasant family living space; it can make the home system from a passive static structure turn into a tool which has dynamic wisdom, provide a full range of information exchange capabilities, help families to keep smooth exchange of information with the outside, optimize the way people living, help people arrange a time effectively, enhance the security of home life, and save money for a variety of energy cost.

Home is always your return harbor; after over one-day job, you can just send a message to open your house's equipment, so that you can have a good time in this comfortable environment. For example, turn on the AC at a setting temp in a hot summer day; this makes you feel good when you back home.

The owner who driving back home can easily have the garage's door open, lights turn on automatically, through the RFID identity technology, without manual opening the garage doors and garage lighting.

Sending messages successfully .Back Home mode is activated.

选项   发送

1   2   3
4   5   6
7   8   9

**10" touch screen
intelligent control terminals**

After meals, entering the sitting room, choosing the "Cinema mode", with darken light, meanwhile TV, DVD start automatically, appreciating and enjoying spare time.

It's abundant when you are at home. Perhaps you stay with your family as usual, date your friends, have a nap when you are tired, enjoy your sweet time with your lover……. According to various demands, you can choose different modes. Only a key can fulfill what you need: Guest, Party, Meal, Rest, TV, Cinema, Closed, Multimedia, safety……..
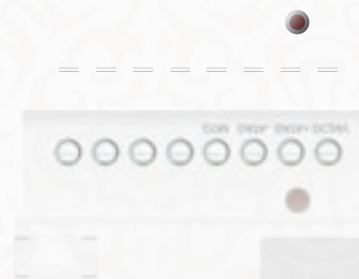
08

Having had the breakfast and ready to go to work, you can press the leave home mode before go outside, then all the lights will close automatically, electrical appliances enter the standby mode or shutdown power directly, curtain will close automatically and start safe mode later.

Helping massage has been sent

When there are emergency situations, the olds and children will ask for help in time, and the helping words inferior will start

选项　　取消

Indoor alarm voice rings, messages are sent successfully

The status of the coal gas induction states, induct the happening of the fire, then inform the security room as well as the given mobile phone immediately

警报:
家中煤气泄露，已
经发生火灾，请及
时处理!

选项　　取消

Urgent SOS

The washing room will keep lights on by induction. When you leave, it will close automatically.

Helping capture is set in washing room. If you are in need, you can press and the music system will ask for help by message and notice your family members. When they get the message, they will take measure at once.

Air sensor combination

Timely monitoring

The gas pipe outlet of the kitchen is installed combustible gas inducted probe, when the gas leakage happened, the system will send the voice prompt and send warning message to the family in order to remind them to handle it well.

When the glass windows are broken, the system will raise the alarm automatically.

Through catching the video, you can timely monitoring the situation of safety and make the mobile deduction.

全屋控制　　主菜单　　房间控制　　安防控制　　视频监控

Intelligent living room sulotion

Smart bedroom solution

1-HD TV, support RS232 agreement and infrared control

2-Stream media set-top box, support DTV, high definition streaming media, infrared control and network remote control

3-Helix server, support high definition movie, picture, music, network remote control

4-Lighting and dimmer scene, support LED lamps dimmer

5-A variety of sensor, motion sensor, humiture, illumination, air quality, coal gas, carbon dioxide

6-Radio telephone and data transmission   7-Door contact, glass break

8-Background music, support voice prompt dialogue, alarm, schedule

9-Controller into the wall, support as many as seven control page, four basic lighting, curtain, infrared code page, air conditioning page, background music page, geothermal page

10-Mobile multimedia control terminals, control all the equipments within the household related

11-Air-condition control, support traditional IR agreement, BacNet agreement, RS485/RS232 agreement, Lonworks agreement

12-Geothermal control, support electrical warming geothermal, plumbing geothermal, oil warm geothermal

13-Electrical sunshade, curtain, venetian blind, support IR control, support electrical machine control

14-Fingerprint/password door lock, RFID system, support RS232 agreement, support TCP/IP agreement

15-Figure IP visual intercom, support video phone which can communicate with every family, leaving message, take photos as a memento, messages of a housing estate, scène

16-LED color render, decoration ceiling, television walls, pitch, dining room

17-Elevator control, support RS485, RS232, TCP/IP agreement, stem note point

18-Electrical projector lifter   19-Electrical projection screen

20-Large screen projector

1-HD TV

2-Stream media set-top box

3-Lighting and dimmer scene

4-Multifunctional sensor

5-Radio telephone and data transmission

6-Background music

7-Mobile multimedia control terminals

8-Controller into the wall

9-Air-condition control

10-Geothermal control

11-Electrical sunshade and curtain

12-Door contact, glass break

13-Figure IP visual intercom

14-LED color render

Smart bathroom solution

Smart kitchen solution

1-intelligent Jacuzzi, support RS232/RS485 agreement
2-Geothermal control and heated towel rack
3-Mirror desiccant and warmer
4-Bathroom waterproof phone
5-Order controlling intelligent sit implement
6-Cozy battery candle
7-Warm water tepid system
8-Waterproof controller

9-Mirror TV
10-Stream media set-top box
11-Lighting and dimmer scene
12-Background music
13-Controller into the wall
14-Air-condition control
15-LED color render, decorate underwater, tap
16-Looked up information display system, support weather forecast, clock, agenda remind
17-Emergency button

1-1-Intelligent kitchen electrical equipment
2-1-Kitchen TV
3-1-Figure IP visual intercom
4-1-Radio telephone and data transmission
5-1-Background music
6-1-LED lighting
7-1-Controllable power socket

8-Inductive trash can
9-Heat smoke sensor
10-Gas leak induction and control
11-Indoor conduit leakage induction and control
12-Air-condition control
13-Exhaust system
14-Mobile inducted control

Smart assembly hall

Smart dining room solution

1-Anionic air fresh machine
2-Radio telephone and data transmission
3-Controllable power socket
4-Electrical projector lifter
5-Electric projection screen
6-Large screen projector
7-Stream media set-top box

8-Lighting and dimmer scene
9-Multifunctional sensor
10-Background music
11-Controller into the wall
12-Air-condition control
13-Geothermal control

1-HD TV
2-Stream media set-top box
3-Art integrated audio
4-Anionic air fresh machine
5-Lighting and dimmer scene
6-LED decorative lighting
7-Air-condition control

8-Geothermal control
9-Radio telephone and data transmission
10-Background music
11-Controllable power socket
12-Controller into the wall
13-Motion sensor

Smart SOHO solution

1-HD TV
2-Stream media set-top box
3-Lighting and dimmer scene
4-LED lighting
5-Radio telephone and data transmission
6-Background music
7-Figure IP visual intercom

8-Controllable power socket
9-Air-condition control
10-Geothermal control
11-Anionic air fresh machine
12-Controller into the wall
13-Motion sensor

Smart family cinema solution

1-LED galaxy decoration
2-Lighting and dimmer scene
3-Electric projector
4-Electric movie screen
5-Stream media set-top box
6-High quality DLP projector

7-Mobile multimedia control terminals
8-Professional audio system
9-Inflatable deck chair
10-Acoustic panel and carpet
11-Sonic lasers
12-Anionic air fresh machine

Intelligent girl's activity room solution

Intelligent boy's activity room solution

1-HD TV
2-Stream media set-top box
3-LED decoration lighting
4-Lighting and dimmer scene
5-Controller into the wall
6-CCTV pickup monitoring
7-Radio telephone and data transmission

8-Background music
9-Scene floor
10-Controllable power socket
11-Air-condition control
12-Geothermal control
13-Digital phone frame
14-Anionic air fresh machine

1-HD TV
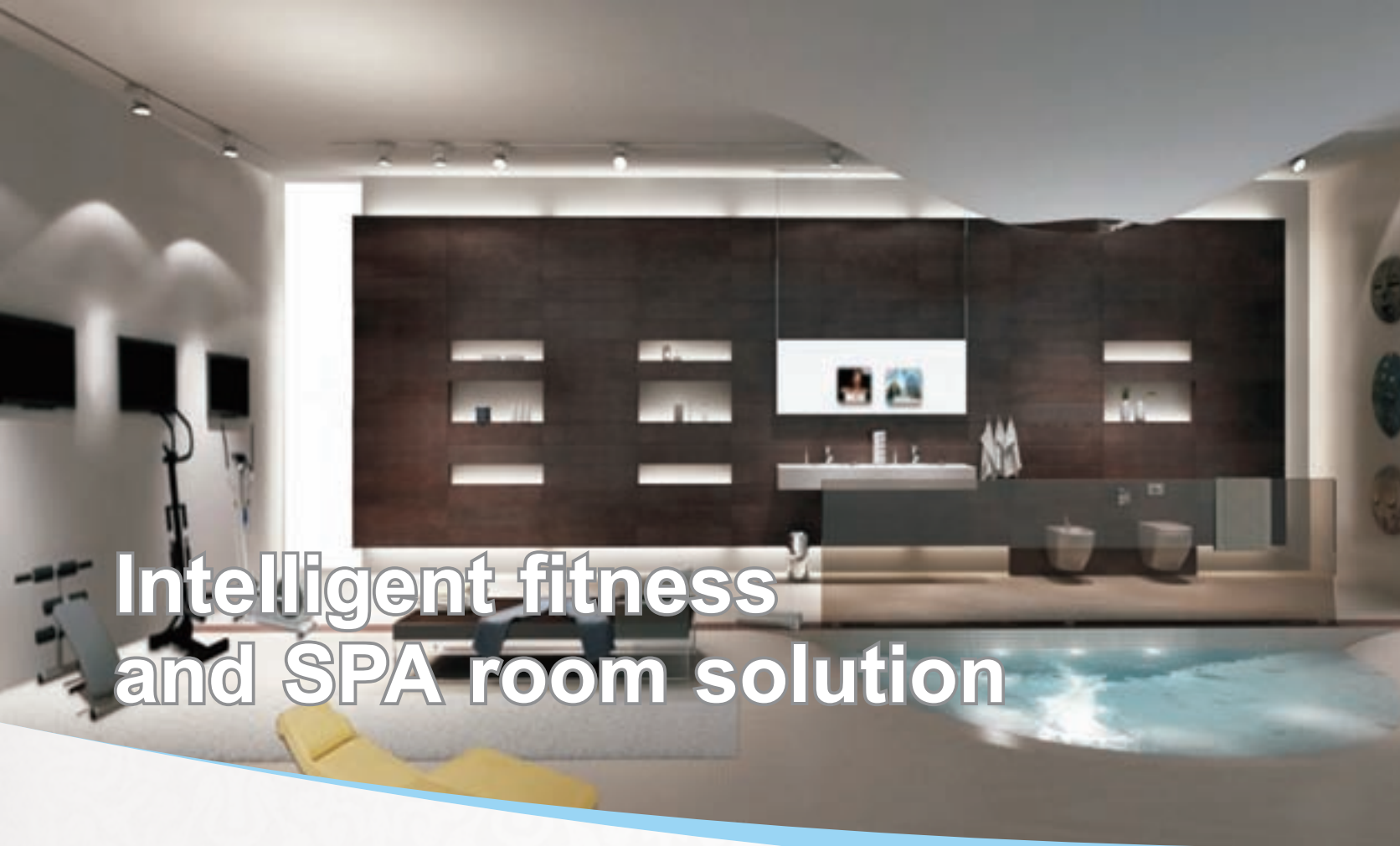2-Stream media set-top box
3-Karaoke system
4-Game activity area
5-LED decoration lighting
6-Lighting and dimmer scene
7-Controller into the wall
8-CCTV pickup monitoring

9-Radio telephone and data transmission
10-Background music
11-Scene floor
12-Controllable power socket
13-Air-condition control
14-Geothermal control
15-Digital phone frame
16-Anionic air fresh machine

Intelligent fitness and SPA room solution

Intelligent outdoor solution

1-Intelligent fitness equipment
2-Intelligent Jacuzzi
3-Massage chair
4-Radio telephone and data transmission
5-Background music
6-Mirror dehumidifiers
7-Geothermal control

8-Anionic air fresh machine
9-Lighting and dimmer scene
10-Controller into the wall
11-Mirror TV
12-Underwater LED lighting
13-Intelligent sauna temperature control
14-Heating towel rack

1-Garden sound
2-CCTV camera
3-DVR/DVS
4-Pool alarm device
5-Terrace sound
6-Swimming pool temperature control
7-Ultraviolet alarm

8-Microwave sensor
9-Perimeter infrared bijection
10-Underwater LED light
11-Fountain control
12-Outdoor annunciator
13-Automatic garage system