

Smart home solutions

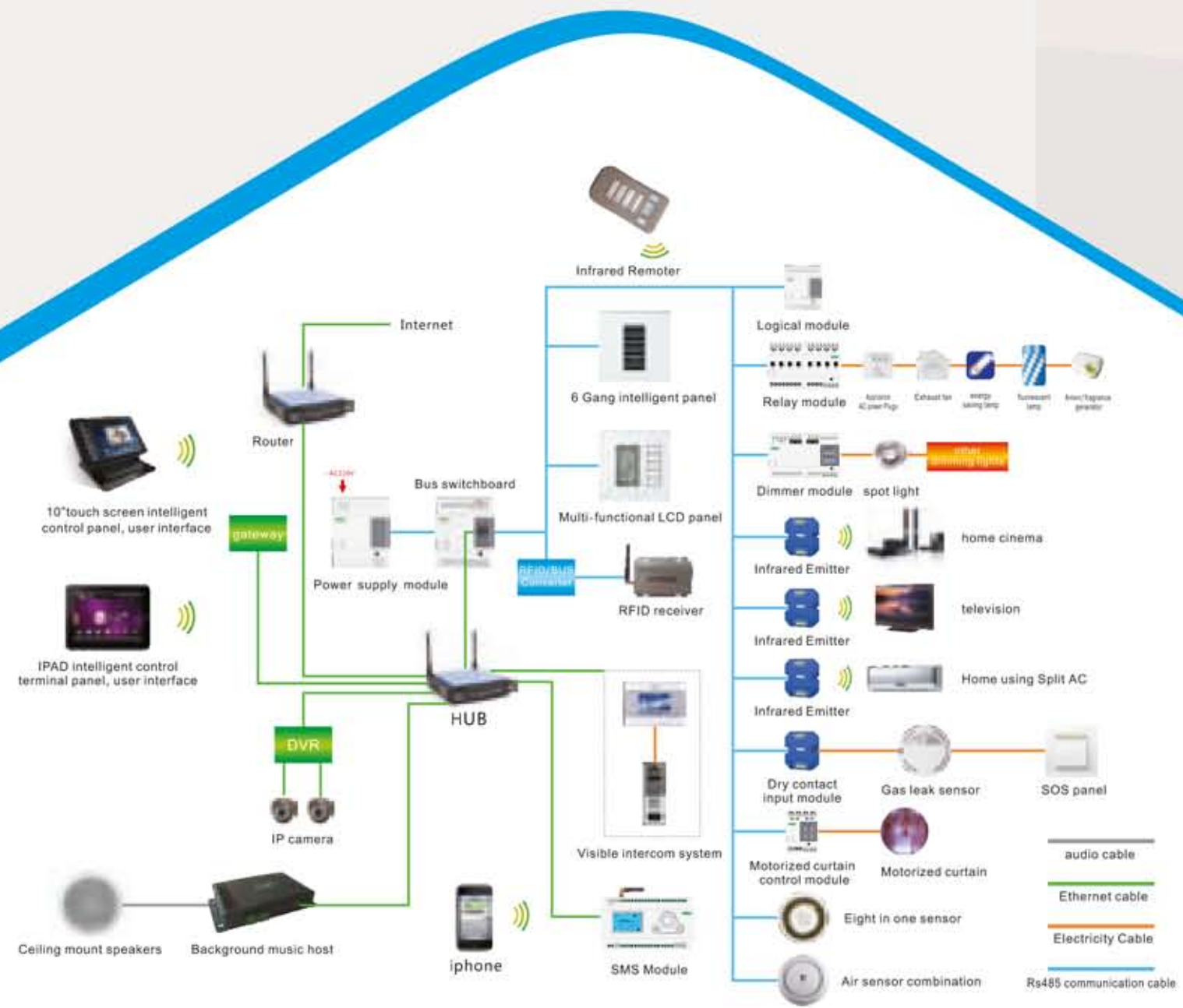


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Smart home solutions

Comfortable life, realize easily



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.



Sending messages successfully. Back Home mode is activated



By using a RFID technology, the garages door can be controlled automatically and meantime the Security mode is disabled automatically



18 00

Remote control on the way of you back home

After 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.

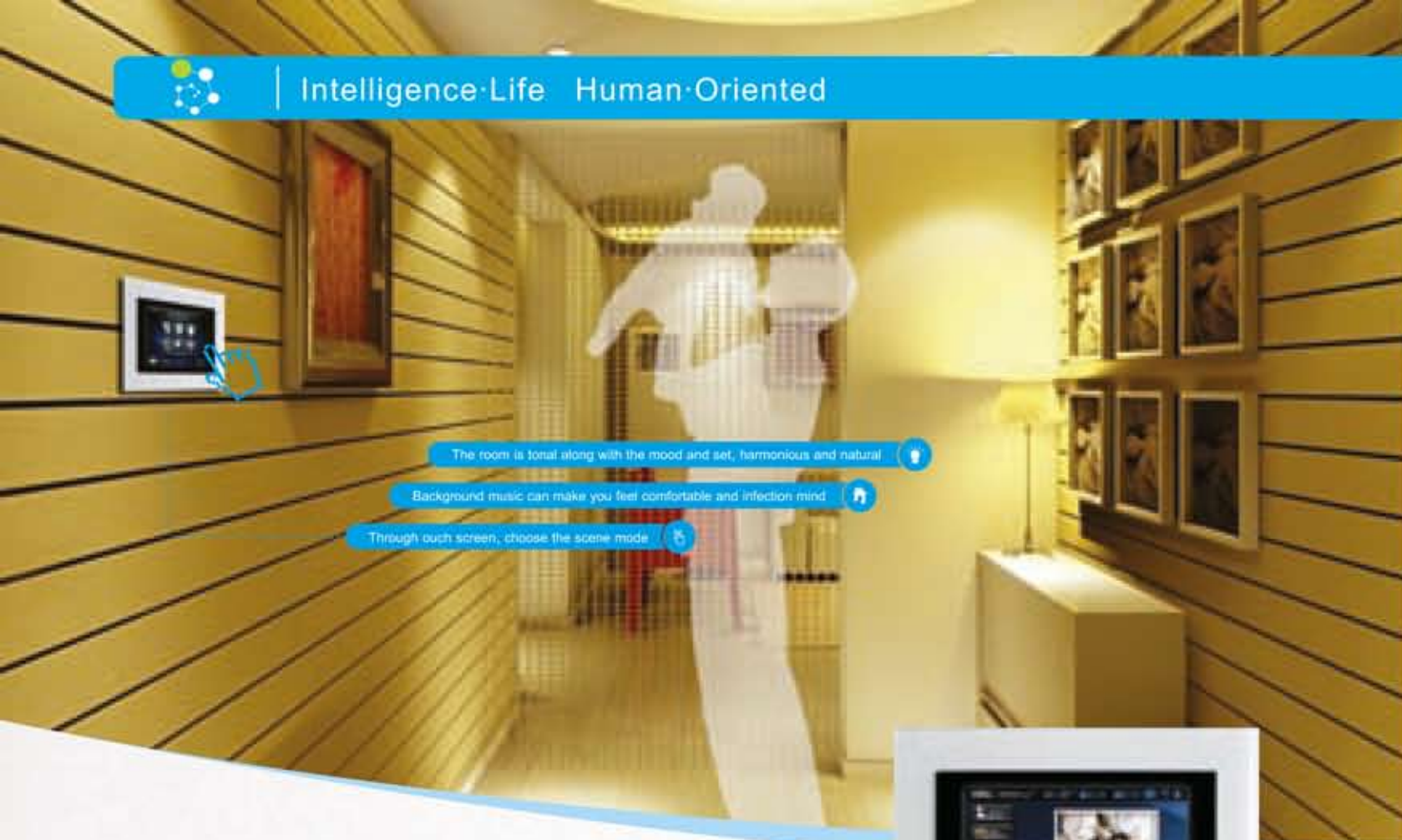


GPRS/SMS controller

18 30

Garage automation, it can be realized by using RFID

The owner who driving back home can easily have the garage's door opened, lights are turned on automatically, by using the RFID identity technology, the system will be disarmed automatically, the garage doors will be opened automatically and garage lighting will be opened. The channel light will be opened, too.



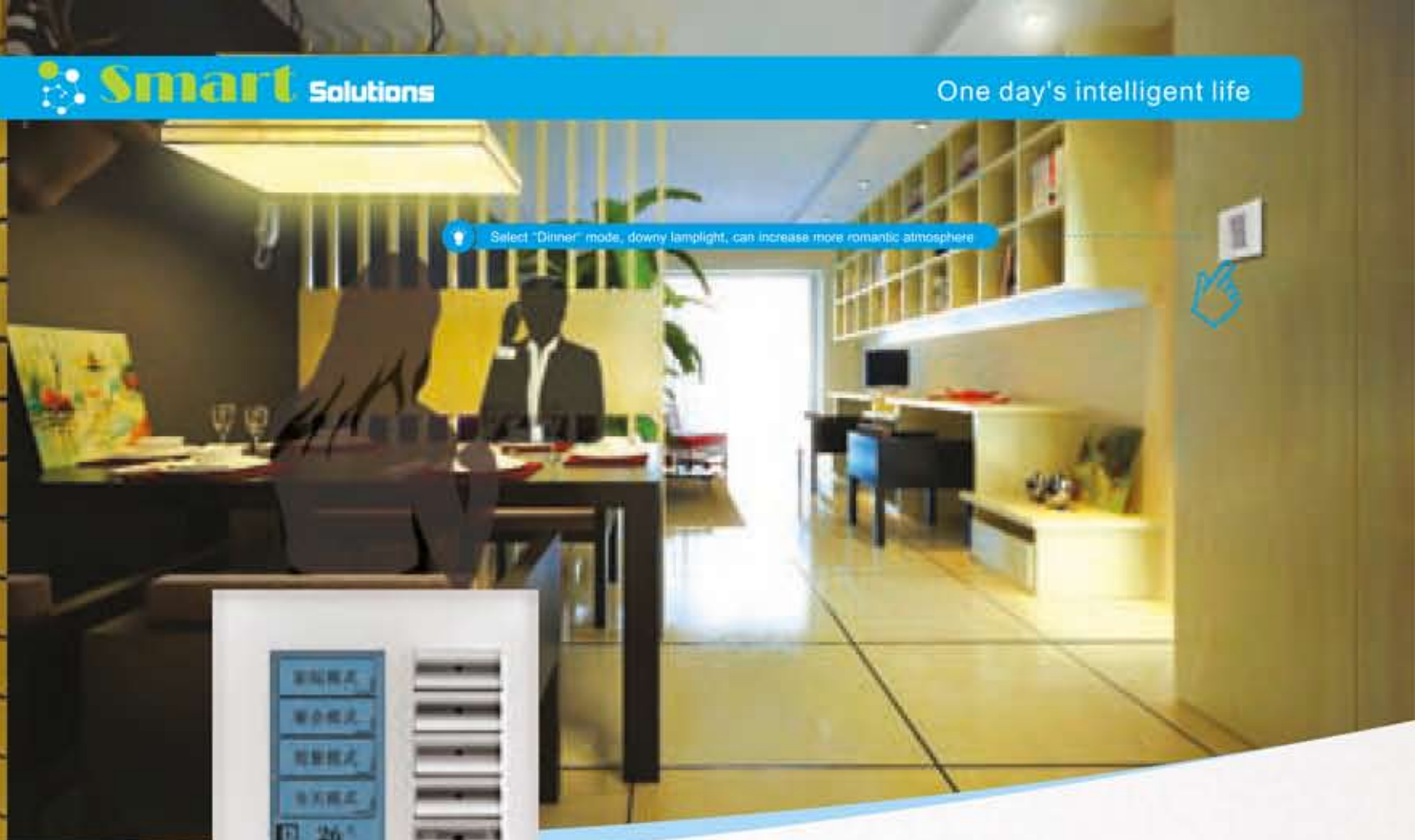
The room is total along with the mood and set, harmonious and natural

Background music can make you feel comfortable and infection mind

Through ouch screen, choose the scene mode



User Interface of 7"touch screen intelligent control panel



Select "Dinner" mode, downy lamplight, can increase more romantic atmosphere



Modern series, multi-function intelligent panel

18 35

Coming home and personalized scenes

Open the door , each family member has its own home mode through the identification, different period has different home scene. Such as light brightness, adjust color, the background music or open like TV program. Maybe you tired of monotonous life, can also according to the mood set up different home mode, life filled with fresh element.

19 00

Dining-room, romantic experience

Your family prepares a good dinner for you, only need to choose "dining mode", downy Lamplight will automatically open. Drinking wine with the beloved person, and begin to enjoy the dinner.



Cinema mode activated, curtain close automatically, lamplight slowly darken

Press the keys to enter into the air conditioning control interface, choose appropriate temperature

Humanization, different demand, can choose different mode

Press the buttons, to start cinema mode, wonderful film

Control the Home Appliance through Touch Screen easily

Choose party mode to have fun with friends

Display paused, to indicate the alarming message. The light inferior flashing and the alarming appear

When a call comes, voice and capture both paused

The camera monitor is working in real-time and displays the capture

High Humidity in the room and environment is changed automatically



10" touch screen intelligent control terminals



I-life intelligent control software

Dining room, it's designed by you 20 00

After meals, entering the sitting room, choosing the "Cinema mode", with darken light, meanwhile TV, DVD will open automatically, you can appreciate international film and enjoy spare time.

The time you stay at home is abundant and wonderful Perhaps you stay with your family as usual, date with 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.....



23 00

Bed-room, relax and go to sleep

The sky is getting dark. When you go back to bed-room and read some magazine before going to sleep, you can choose "reading mode". The curtain will close and the lamp for reading will be turned on. After reading, you would like to sleep. Press "Public controlling", and the light in public space will all be closed. It is not necessary for you to turn them off one by one, and you just need to enjoy a nice dream...

When you get up at night, only pressing "Light Mode", the light will be turned on. And your vision will be available at the soft lighting.



Z-Audio- Background Music Server

Bed-room, a blank-new day

07 00

The pre-set function of secretary starts, the background music will be played. Then there is a piece of get-up music. The curtain will be opened gradually. The sun-shine goes through the room, and a new day starts.



Leave off for work, the mode of leaving home activated by system

Security system is activated by system

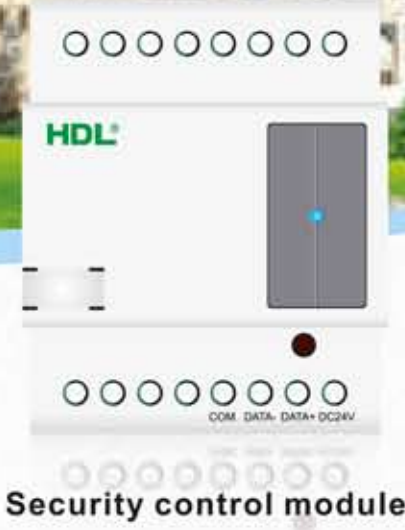
Security function is enabled successfully

08 00 when leaving off for work, security system protect everything

Having had the breakfast and ready to go to work, you can press the leaving 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.



Holiday mode starts and you can have more fun and sense of safety



Security control module

Travel and vacation

If you are on your trip, you can choose "Holiday mode". HDL smart system monitors the illegal broken-in. And the system will keep light, watering on.



Helping message 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



Indoor alarm voice rings, messages are sent successfully

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

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.



Multifunction Sensor

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.



Multistage alarm

Through catching and tracking the video, the alarm system can realize multistage alarm. If there is an intruder entering into fence, which triggers the first alarm, he will be given voice warning. If the intruder invades to the courtyard, which triggers the second alarm, he will be given bell alarm. Invading the door and window will trigger the third alarm so that the system will make the remote alarm to owner or send message to the mobile phone of the owners.

Intimidation alarm

It can provide families for making mute alarm when they suffer the duress of the intruder and it can send out the SOS by means of sending messages.



At lunch break, the owner can control the home electric equipment through using messages, websever, Ipad/Iphone, mobile phone and so on. The owner can also timely monitoring the situation of home security through using remote camera to check the home situation.



Intelligent living room 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, humidity, 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, scene
- 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



Smart bedroom solution

- 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-Floor Heating
- 11-Electrical sunshade and curtain
- 12-Door contact, glass break
- 13-Figure IP visual intercom
- 14-LED color render



Smart bathroom solution



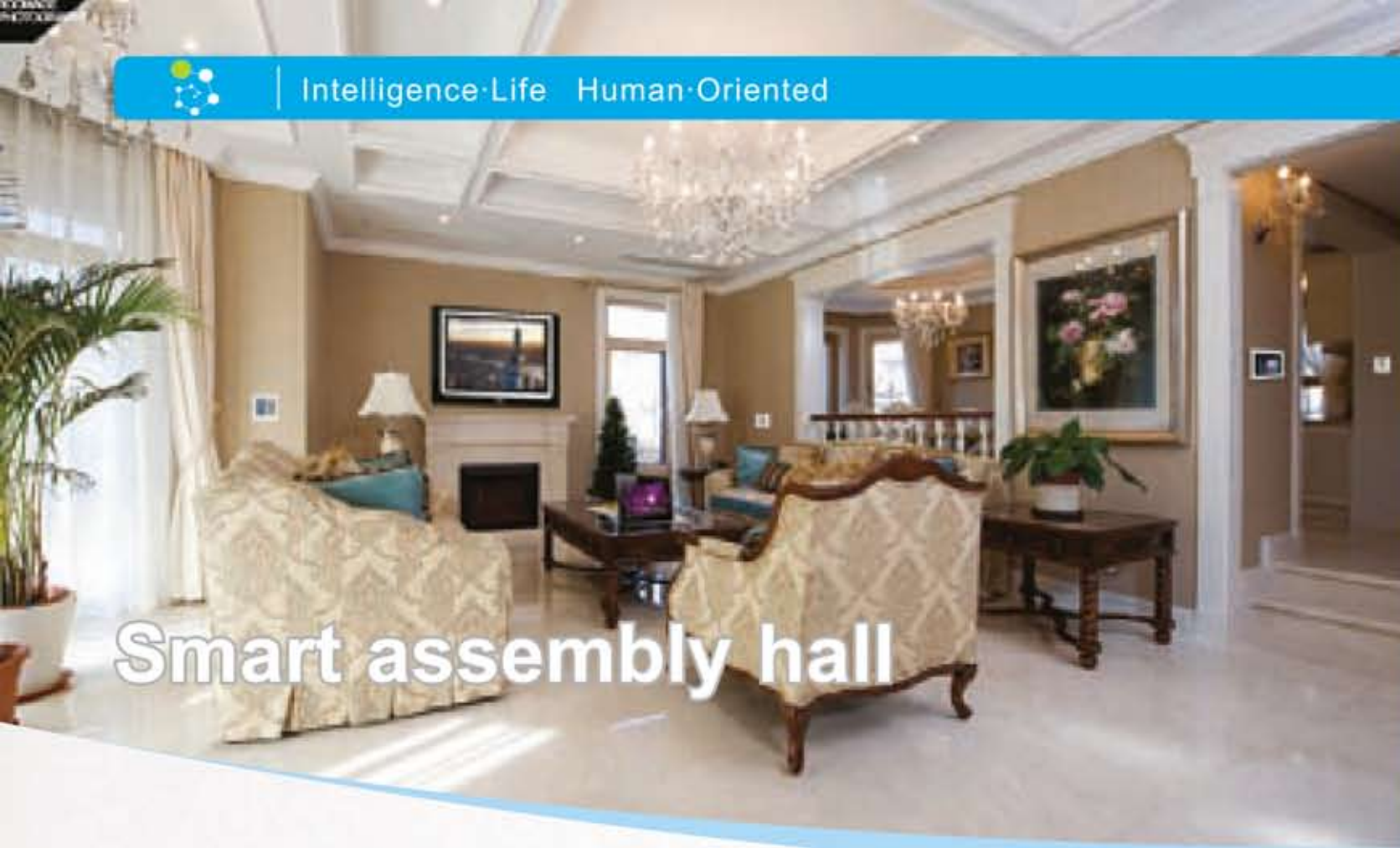
Smart kitchen solution

- 1-intelligent Jacuzzi, support RS232/RS485 agreement
- 2-Geothermal control and heated towel rack
- 3-Defogger 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-Wall Mount
- 14-Air-condition control
- 15-LED color render, decorate underwater, tap
- 16-Looked up information display system, support weather forecast, clock, agenda remind
- 17-Panic butthom

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

- 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



Smart dining room solution

- 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

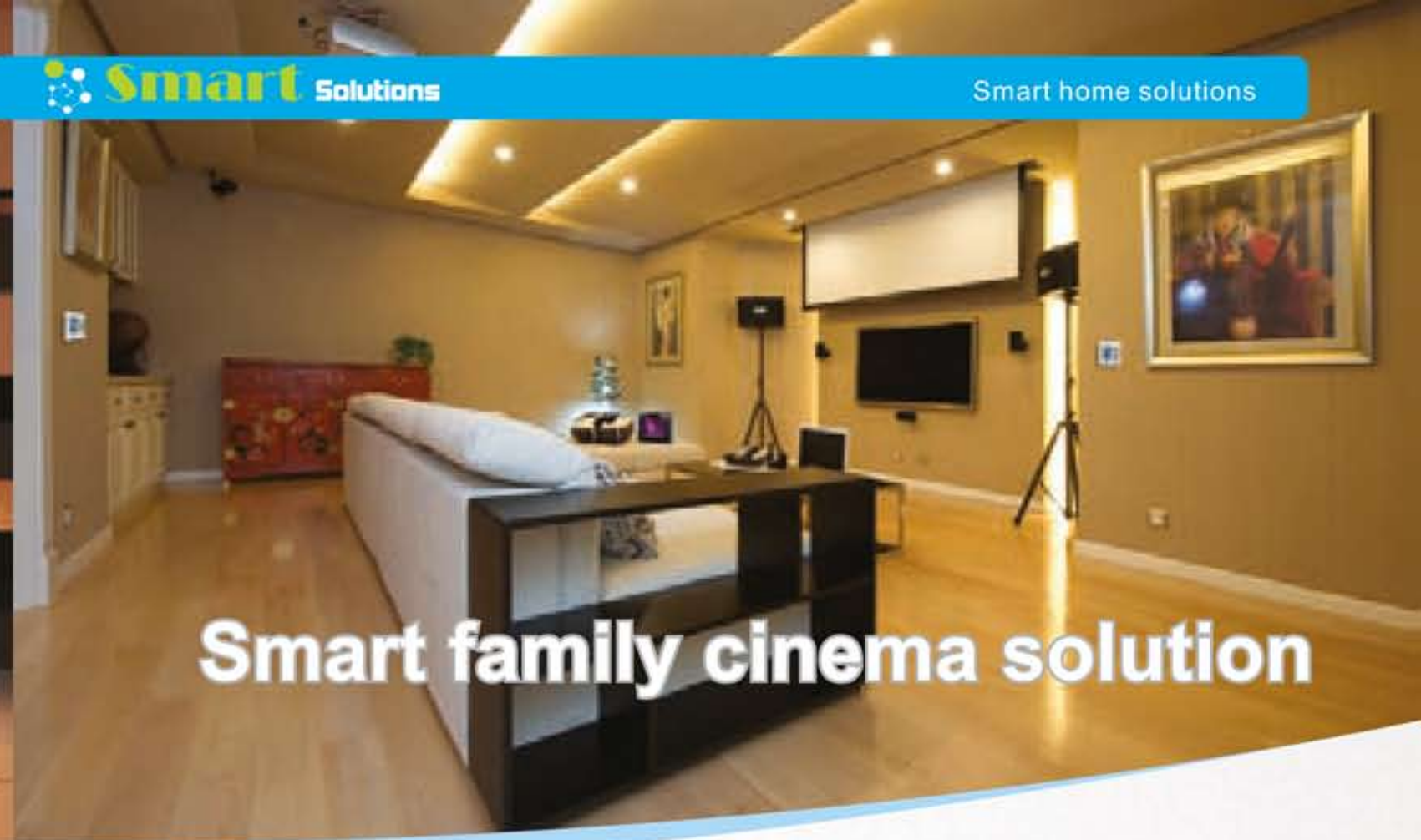
- 8-Geothermal control
- 9-Radio telephone and data transmission
- 10-Background music
- 11-Controllable power socket
- 12-Wall Mount
- 13-Motion sensor



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-Digital IP visual intercom

- 8-Controllable power socket
- 9-Air-condition control
- 10-Floor Heating
- 11-Anionic air fresh machine
- 12-Wall Mount
- 13-Motion sensor



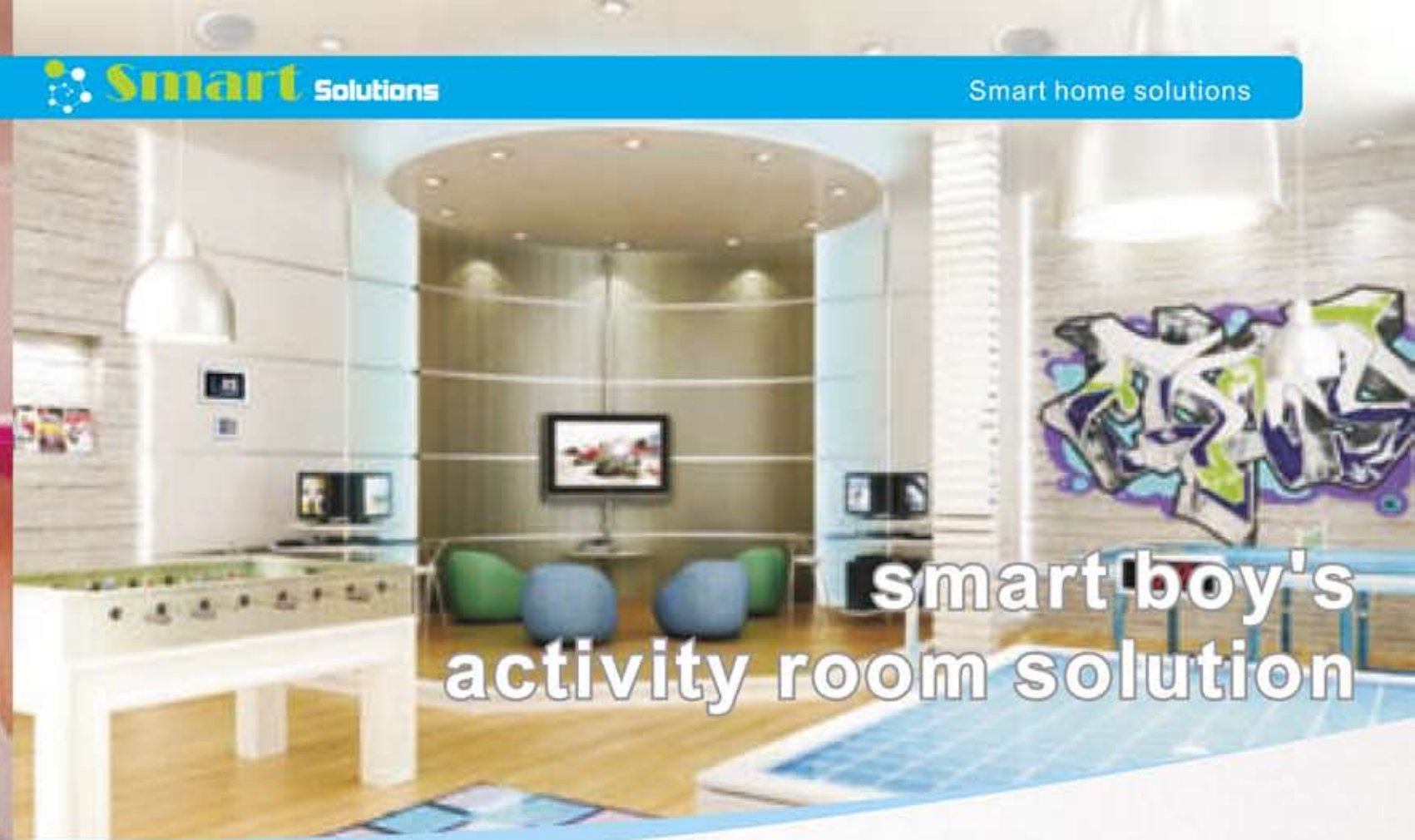
Smart family cinema solution

- 1-LED galaxy decoration
- 2-Lighting and dimmer scene
- 3-Motorized 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



smart girl's activity room solution



smart 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-Wall Mount
- 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-Floor Heating
- 15-Digital phone frame
- 16-Anionic air fresh machine



smart fitness and SPA room solution



smart 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-Floor Heating

- 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 speaker
- 2-CCTV camera
- 3-DVR/DVS
- 4-Pool alarm device
- 5-Bancoly speaker
- 6-Swimming pool temperature control
- 7-UV Rays Mount

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



Guangzhou Asian Games Village, Technical Officer

Guangzhou Asian Technological Officer Village HDL intelligent home system is an opening system, which can connect safe system, Fire controlling system and telecom system, enlarging and matching up to each other.

The controlling ways are various. Its media function is powerful. Users can set and classify the electronic album, gallery, music base and so on by software , which can build family historical video museum. Abundant entertaining function can bring shining lighting to people, feeling what they never have. Clever and honest electronic steward, it can set different life modes according to the living habits of users, arranging comfortable live.







The Curio Garden Shenzhen

The curio garden Shenzhen, named as "work of nature famous house of Asia ", located in Shekoudong, zhenhai district. It's the throat position of western entrance of Shenzhen. In accordance to the design of the city, the bottom works as Parking lot. High-rise and multi-layer residential are all above the platform. It opens horizons of coastline and let the beautiful external environment permeates to resident houses. Its whole image is novel and lively. HDL smart home system is chosen for villa. From Door control, safe control and outdoors lighting to inferior, it controls gatheringly.

The curio garden Shenzhen is creative, novel and fashion. Interior decorating with HDL various bottom, touching screen and panel makes the living-room beautiful and elegant. You can set it in porch, living-room, bathroom, dining room and bed-room. No matter it is modern or conventional; it indicates the unique taste of users.





Modern series multi-function intelligence panel			7" touch screen intelligent control terminals		10" touch screen intelligent control terminals	
SB-DLP-MEU	Basic parameters	Key feature	SB-WL-TS7	Basic parameters	SB-MBL-TS10-CE	Basic parameters
	<ul style="list-style-type: none"> Mains input: DC12-30V Bus power consumption: 30mA/DC24V operating temperature 0°C~40°C Work relative humidity 20%~90% Storage temperature -40°C+55°C Storage relative humidity 10%~93% Installation: standard 86x86 (mm) Boundary dimension: 86x86x35 (mm) 	<ul style="list-style-type: none"> infrared remote control receiving function A variety of panel button control type: scene, sequence, time switch, universal switch, single regulation, curtain switch, GPRS control panel control, broadcast scene, radio circuit, fire control module The first page to the fourth page are the panel control page, the fifth page is the function of the air-condition, the sixth page is the digital background music player control page, the seventh page is geothermal function Internet ID code setting, have remote program and management function Adopt 485 fieldbus communication way 		<ul style="list-style-type: none"> Mains input: DC24V Bus power consumption: 200mA/DC24V operating temperature 0°C~40°C Work relative humidity 20%~90% Storage temperature -40°C~+55°C Storage relative humidity 10%~93% 		<ul style="list-style-type: none"> Input voltage : DC12V CPU : 667MHz FLASH ROM : 256M NandFlash SDRAM : 128M DDR OS : WindowsCE6.0net
Modern series glass touch panel			ILIFE home intelligent control software			
MPT106.38110	Basic parameters	Key feature				
	<ul style="list-style-type: none"> Mains input: DC12-30V Bus power consumption: 15mA/DC24V operating temperature 0°C~40°C Work relative humidity : 20%~90% Storage temperature : -40°C+55°C Storage relative humidity : 10%~93% Installation: standard 86x86 (mm) 	<ul style="list-style-type: none"> touch control infrared remote control receiving function A variety of panel control type: scene, sequence, timer channel, universal switch, single regulation, broadcast scene, radio circuit, curtain etc. LED adjustable backlight brightness Adopt 485 fieldbus communication way Boundary dimension: 86.4x86.4x32 (mm) 	<p>The underworld UI interface is desired together by the domestic top designers, UI interactive interface, the show is more intuitive, the operating is easier. Through using main interface, you can understand real-time temperature and humidity and the air quality and it can master control the electrical equipment by the zone control. It can also zone control the curtain, lights, electrical equipments by control wireless multipath control. ILIFE can make the curtain, TV, DVD, air-condition, background music, multimedia server realize scene control subject to the request of the user. Through timely monitoring safety situation by camera, one button can realize scene switch security monitoring.</p>			
Modern series intelligent panel			Z-Audio digital background music player			
SB-WS6-UK	Basic parameters	Key feature	SB-Z-Audio	Basic parameters		
	<ul style="list-style-type: none"> Mains input: DC12-30V Bus power consumption: 15mA/DC24V operating temperature 0°C~40°C Work relative humidity 20%~90% Storage temperature -40°C~+55°C Storage relative humidity 10%~93% Installation : standard 86x86 (mm) 	<ul style="list-style-type: none"> infrared function: panel buttons can receive remote signal Panel button mode: single switch, single-open, single-close, multi way switch etc. button control type: scene, sequence, universal switch, broadcast loop, broadcast scene, single loop regulation Signal interface:HDL-BUS Specification: 1-6 button input 		<ul style="list-style-type: none"> Work voltage: DC±24V Static power consumption: 1.6W Audio input voltage: 0.7VPP CMF form : MP3 Boundary dimension: 224 × 126 × 39(mm) Communication protocol: HDL-BUS Communication protocol, FTP data exchange agreement, UDP data exchange agreement 		
				<ul style="list-style-type: none"> Signal interface: RJ45 internet interface SD card interface HDL-BUS four terminals interface RCA audio input interface Audio output four terminals interface Power three terminals interface 		



6 channel 2A intelligent dimmer

SB-DN-D0602

Basic parameters

Key feature



- Power Supply : AC220V
- BUS Power Consumption : 35mA/DC24V
- Working Condition:
Working Temperature : 0°C~45°C
Working Relative Humidity : 20%~90%
Storage Temperature : -40°C~+55°C
Storage Relative Humidity : 10%~93%
- Output Channel : 6 Channel for Dimming
- Output Current in Each Channel:
2A , 6 Channel Current Totally: 10A
- Protection : Need Exterior LCB
- Installation : Standard 35mm Din Rail
- Dimension : 144X88X66 (mm)

- LED lights for indicates the Current Channel Status;
- Has it's own Scene Controller
- Up to 6 separate Area
- Each Area has 12 scenes, Maximum Run Time : 60 minutes;
- Up to 6 sequence, 12 steps for each sequence;
- Up to 60 minutes of Interval between each step.
- There are 4 running modes :
Forward , Backward , Random , Forward & Backward;
- Low or High or Maximum threshold are available in each channel to Suit the different loads;
- Has the function of remote program and management;
- Can go back to previous scene or designated scene after power on;
- Bypass function is available in each channel.

4 channel 10A intelligent relay module

SB-DN-R0410

Basic parameters

Key feature



- Power Supply: AC110V/220V
- BUS Power Consumption: Built-In Power Supply
- Working Condition:
Working Temperature: 0°C~45°C
Working Relative Humidity: 20%~90%
Storage Temperature: -40°C~+55°C
Storage Relative Humidity: 10%~93%
- Output Channel : 4 channel relays
- Current in Each Channel : 10A
- Life Time for Relay Unit : More than 60,000 times
- Protection : Need Exterior Protection Switch
- Installation : Standard 35 mm Din Rail
- Capacity Load of Relay : <50uF
- Dimension : 72x88x66 (mm)
- With Scene Controller itself

- 4 relay channels
- Maximum 4 separate Area. Up to 8 scenes in each maximum running time of scene is 60 minutes
- Each channel has lights protection delay : 0~60 minutes
- Each channel has switch on delay time : 0~25 seconds
- Bypass function is available for each channel
- Remote Program and Management are available
- Can go back to previous scene or designated scene once the system restart
- LED lights available for indicates of each channel
- 2 sequence of each area

2 channel 6A intelligent dimmer

SB-DN-D0206

Basic parameters

Key feature



- Power Supply : AC220V
- BUS Power Consumption : 25mA/DC24V
- Working Condition:
Working Temperature : 0°C~45°C
Working Relative Humidity : 20%~90%
Storage Temperature : -40°C~+55°C
Storage Relative Humidity : 10%~93%
- Output Channel : 2 Channel for Dimming
- Output Current in Each Channel:
6A , 2 Channel Current Totally: 10A
- Protection : Need Exterior LCB
- Installation : Standard 35mm Din Rail
- Dimension : 144X88X66 (mm)

- LED lights for indicates the Current Channel Status;
- Has it's own Scene Controller
- Up to 2 separate Area
- Each Area has 12 scenes, Maximum Run Time : 60 minutes;
- Up to 6 sequence, 12 steps for each sequence;
- Up to 60 minutes of Interval between each step.
- There are 4 running modes :
Forward , Backward , Random , Forward & Backward;
- Low or High or Maximum threshold are available in each channel to Suit the different loads;
- Has the function of remote program and management;
- Can go back to previous scene or designated scene after power on;
- Bypass function is available in each channel.

8 channel 16A intelligent relay module

SB-DN-R0816

Basic parameters

Key feature



- Power Supply : DC24V
- Power Consumption:
Static BUS Power Consumption: 15mA/DC24V
Dynamic BUS Power Consumption: 40mA/DC24V
- Working Condition
Working Temperature: 0°C~45°C
Working Relative Humidity: 20%~90%
Storage Temperature: -40°C~+55°C
Storage Relative Humidity: 10%~93%
- Output Channel : 8 relay channels
- Current in Each Channel : 16A
- Life time for Relay unit : More than 60,000 times
- Protection : Need exterior Protection Switch
- Installation : Standard 35 mm Din Rail
- Capacity Load of Relay Unit : <300uF
- Dimension : 144x88x66(mm)

- 8 relay channels
- Bypass function is available for each channel
- Each channel has switch on delay time : 0~25 seconds
- Area : Maximum 8 separate area
- Scene : 16 scenes in each area, maximum running time of each scene is 60 minutes
- Sequence : 2 sequence in each area, Maximum 12 steps of each sequence
- Can go back to previous scene or designated scene once the system restart
- Current Detect function is available.

8 channel 10A intelligent relay

SB-DN-R0810

Basic parameters

Key feature



- Power Supply: AC110V/220V
- BUS Power Consumption: Built-In Power Supply
- Working Condition:
Working Temperature: 0°C~45°C
Working Relative Humidity: 20%~90%
Storage Temperature: -40°C~+55°C
Storage Relative Humidity: 10%~93%
- Output Channel : 8 channel relays
- Current in Each Channel : 10A
- Life Time for Relay Unit : More than 60,000 times
- Protection : Need Exterior Protection Switch
- Installation : Standard 35 mm Din Rail
- Capacity Load of Relay : <50uF
- Dimension : 144x88x66 (mm)
- With Scene Controller itself

- 8 relay channels
- Maximum 8 separate Area. Up to 16 scenes in each maximum running time of scene is 60 minutes
- Each channel has lights protection delay : 0~60 minutes
- Each channel has switch on delay time : 0~25 seconds
- Bypass function is available for each channel
- Remote Program and Management are available
- Can go back to previous scene or designated scene once the system restart
- LED lights available for indicates of each channel
- 2 sequence of each area

4 channel 16A intelligent relay module

SB-DN-R0416

Basic parameters








Key feature










- Power Supply : DC24V
- Power Consumption:
Static BUS Power Consumption: 15mA/DC24V
Dynamic BUS Power Consumption: 40mA/DC24V
- Working Condition
Working Temperature: 0°C~45°C
Working Relative Humidity: 20%~90%
Storage Temperature: -40°C~+55°C
Storage Relative Humidity: 10%~93%
- Output Channel : 4 relay channels
- Current in Each Channel : 16A
- Life time for Relay unit : More than 60,000 times
- Protection : Need exterior Protection Switch
- Installation : Standard 35 mm Din Rail
- Capacity Load of Relay Unit : <300uF
- Dimension : 72x88x66(mm)

- 4 relay channels
- Bypass function is available for each channel
- Each channel has switch on delay time : 0~25 seconds
- Area : Maximum 4 separate area
- Scene : 8 scenes in each area, maximum running time of each scene is 60 minutes
- Sequence : 2 sequence in each area, Maximum 12 steps of each sequence
- Can go back to previous scene or designated scene once the system restart
- Current Detect function is available.



12 channel 16A intelligent replay module			Logical controller			
SB-DN-R1216	Basic parameters <ul style="list-style-type: none"> Power Supply : DC24V Power Consumption: Static BUS Power Consumption: 15mA/DC24V Dynamic BUS Power Consumption: 40mA/DC24V Working Condition Working Temperature: 0°C~45°C Working Relative Humidity: 20%~90% Storage Temperature: -40°C~+55°C Storage Relative Humidity: 10%~93% Output Channel : 12 relay channels Current in Each Channel : 16A Life time for Relay unit : More than 60,000 times Protection : Need exterior Protection Switch Installation : Standard 35 mm Din Rail Capacity Load of Relay Unit : <300uF Dimension : 216x88x66(mm) 	Key feature <ul style="list-style-type: none"> 12 relay channels Bypass function is available for each channel Each channel has switch on delay time : 0~25 seconds Area : Maximum 12 separate area Scene : 24 scenes in each area, maximum running time of each scene is 60 minutes Sequence : 2 sequence in each area, Maximum 12 steps of each sequence Can go back to previous scene or designated scene once the system restart Current Detect function is available. 	SN-DN-Logic960	Basic parameters <ul style="list-style-type: none"> Power Supply : DC24V BUS Power Consumption : 15mA/DC24V Working Condition Working Temperature: 0°C~45°C Working Relative Humidity: 20%~90% Storage Temperature: -40°C~+55°C Storage Relative Humidity: 10%~93% Installation : Standard 35 mm Din Rail Dimension : 72x88x66 (mm) 	Key feature <ul style="list-style-type: none"> Events List Editable in Daily Maximum 12 modes in Each Day In each mode, 4 Logic Block can be used: And / Or / Nand / Nor Logic Inputs : Time, Status of Module, Exterior inputs, Universal Switch etc... Remote program and management are available 	
						
6 channel 0-10V input module		2 channel curtain controller		SMS Module		
SB-DN-6B0-10V	Basic parameters <ul style="list-style-type: none"> Power Supply : DC24V BUS Power Consumption : 30mA/DC24V Current in Each Channel : 16A Capacity Load of Relay Unit : <300uF Power Consumption For Module : 2W Control DC Maximum Current : 100mA Working Condition Working Temperature: 0°C~45°C Working Relative Humidity: 20%~90% Storage Temperature: -40°C~+55°C Storage Relative Humidity: 10%~93% Installation : Standard 35 mm Din Rail Dimension : 144x88x66 (mm) 	SB-DN-2Motor	Basic parameters <ul style="list-style-type: none"> Power Supply : DC24V BUS Power Consumption : 35mA/DC24V Working Condition : Working Temperature: 0°C~45°C Working Relative Humidity: 20%~90% Storage Temperature: -40°C~+55°C Storage Relative Humidity: 10%~93% Controllable Curtain : 2 curtains can be controlled Motor Type : Capacitive Single phase Maximum Current in each channel : 5A Life time for Relay unit : More than 60,000 times Installation : Standard 35 mm Din Rail Dimension : 72x88x66 (mm) 	SB-DN-SMS/IP	Basic parameters <ul style="list-style-type: none"> Power Supply : DC24V BUS Power Consumption : 500mA/DC24V Working Condition Working Temperature: 0°C~45°C Working Relative Humidity: 20%~90% Storage Temperature: -40°C~+55°C Storage Relative Humidity: 10%~93% User Interface : 128x64 LCD of Lattice Graphic 6 button for keyboard Installation : Standard 35 mm Din Rail Dimension : 144x88x66 (mm) 	Key feature <ul style="list-style-type: none"> SMS Control : 99x49 Targets Status Check Function is Available Alarm Function by SMS or Phone is available for Security system Intensity of LED back light adjustable Multi-Control Targets is available Can reset with out power off Remote program and management function are available Working with timer and logic, for security enable and disable SMS , S-BUS and Ethernet data transmission Intelligent Data transfer, less data streaming Manual Control by sending little character to system.
						
Air-condition intelligent controller			48 channel scene controller			
SB-DN-HVAC	Basic parameters <ul style="list-style-type: none"> Power Supply : DC24V BUS Power Consumption : 35mA/DC24V Working Condition : Working Temperature: 0°C~45°C Working Relative Humidity: 20%~90% Storage Temperature: -40°C~+55°C Storage Relative Humidity: 10%~93% Installation : Standard 35 mm Din Rail Dimension : 72x88x66 (mm) 	Key feature <ul style="list-style-type: none"> Output : 5 channel of Relay, 5A for each channel Fan Speed : High/Medium/Low Mode : Cooling/Heating 0-10V Output control for VAV 	SB-DN-48DMX	Basic parameters <ul style="list-style-type: none"> Power Supply : DC24V BUS Power Consumption : 40mA/DC24V Working Condition Working Temperature: 0°C~45°C Working Relative Humidity: 20%~90% Storage Temperature: -40°C~+55°C Storage Relative Humidity: 10%~93% Installation : Standard 35 mm Din Rail Dimension : 144x88x66 (mm) Built-In Ethernet RJ45 Interface 	Key feature <ul style="list-style-type: none"> Maximum 48 DMX areas Maximum 99 Scenes in Each area, Maximum running time of scene is 60 minutes Maximum 99 sequence and maximum steps for each sequence is 99. Maximum intervals between each steps is 60 minutes, there are 4 running mode for each sequence: Forward / Backward / Random / Bounce DMX512 standard output S-BUS DMX output Manual Program and test on Module are available Remote Program and management function are available Low, High, Maximum threshold are available for each channel to fits different loads Data switcher Function: Between S-BUS and Ethernet Intelligent Data communication Can go back to previous scene or designated scene when turn on power of the system Interface : S-BUS ; RJ45 ; DMX512 	
						



HDL-BUS/RS232 converter		HDL Infrared Learner		8 in one sensor		
SB-DN-RS232	Basic parameters	SB-IR-Learn	Basic parameters	SB-CMS-8in1	Basic parameters	
	<ul style="list-style-type: none"> Power Supply : DC24V BUS Power Consumption : 15mA/DC24V Working Condition Working Temperature: 0°C~45°C Working Relative Humidity: 20%~90% Storage Temperature: -40°C~+55°C Storage Relative Humidity: 10%~93% Installation : Standard 35 mm Din Rail Interface : S-BUS , Rs232 Dimension : 72x88x66 (mm) 		<ul style="list-style-type: none"> operating temperature 0°C~45°C Work relative humidity 20%~90% Storage temperature -40°C~+55°C Storage relative humidity 10%~93% Boundary dimension: 98x70x30 (m m) USB interface Infrared code study Infrared code emission test 		<ul style="list-style-type: none"> Power input: DC12~30V Bus power consumption: 20mA/DC24V operating temperature 0°C~45°C Work relative humidity 20%~90% Storage temperature -40°C~+55°C Storage relative humidity 10%~93% Signal interface: HDL-BUS signal interface Boundary dimension: 80x39.2 (mm) 	<ul style="list-style-type: none"> Have infrared mobile sensor, luminance transducer 2 loop dry contact input, external input condition Totally 6 input conditions Have 32 logical module functions Can set 6 input conditions Each logical module can set 10 targets output Infrared receive function alarm function setting Infrared remote control code emission function
Multifunction Sensor			DC24V 750m A power module			
SB-CMS-THA	Basic parameters	Key feature	SB-DN-PS750	Basic parameters	Key feature	
	<ul style="list-style-type: none"> Power input: DC12 - 30V Bus power consumption: 20mA/DC24V Signal interface: HDL-BUS operating temperature 0°C~45°C Work relative humidity 20%~90% Storage temperature -40°C~+55°C Storage relative humidity 10%~93% Boundary dimension: 80 x 25(m m) 	<ul style="list-style-type: none"> Have temperature sensor, luminance sensor, air sensor, coal gas sensor, 2 loop dry contact input, 2 external input conditions, totally 9 input conditions Have 4 logical relations Have 32 logical module function, can set 9 input conditions, every logical module can set 10 targets output Use coordinately with safety module Can tactical exercise every status Adopt 485 bus communication way 		<ul style="list-style-type: none"> Power Supply : AC220V±10% Frequency : 50~60HZ Power Supply to BUS : 750mA Output Voltage : DC24V Working Condition: Working Temperature: 0°C~45°C Working Relative Humidity : 20%~90% Storage Temperature : -40°C~+55°C Storage Relative Humidity : 10%~93% Installation : Standard 35 (mm) Din Rail Dimension : 72x88x66 (mm) 	<ul style="list-style-type: none"> operating temperature 0°C~40°C Work relative humidity 20%~90% Storage temperature -40°C~+55°C Storage relative humidity 10%~93% 	
SB-CMS-PIR	Basic parameters	Key feature	1 port bus switch board			
	<ul style="list-style-type: none"> Power input: DC12~30V Bus power consumption: 12mA/DC24V operating temperature 0°C~45°C Work relative humidity 20%~90% Storage temperature -40°C~+55°C Storage relative humidity 10%~93% Installation: install in the wall or ceiling installation 	<ul style="list-style-type: none"> Detection zone: 5X5m Detect angle: 110 degree Bus interface: HDL-BUS Detect distance can be adjusted: software can be adjusted Boundary dimension (long x wide x high): 80x28 (m m) 		<ul style="list-style-type: none"> Power Supply : DC12~30V BUS Power Consumption : 40mA/DC24V Working Condition: Temperature: 0°C~45°C Working Relative Humidity : 20%~90% Storage Temperature : -40°C~+55°C Storage Relative Humidity : 10%~93% Available for 1 subnet for BUS products Interface : S-BUS , RJ45 Installation : Standard 35 mm Din Rail Dimension : 72x88x66 (mm) 	<ul style="list-style-type: none"> 2 Way data communication for S-BUS and TCP/IP Reset function no need power off Intelligent Data Transfer Remote program will be available 	



4 channel dry contact input module

SB-DRY-4Z

Basic parameters

Key feature



- Power input: DC12-30V
- Bus power consumption: 20mA/DC24V
- Output signal: HDL-BUS signal
- operating temperature 0°C-45°C
- Work relative humidity 20%-90%
- Storage temperature -40°C-+55°C
- Storage relative humidity 10%-93%
- Boundary dimension: 49x31x12 (mm)

- 4 loop dry contact input
- Controlled target: scene, sequence, timer, universal switch, single loop regulation
- HDL-BUS interface
- Software internet ID code and equipment ID code setting

1 channel current deductive infrared emission module

SB-IR-EM

Basic parameters

Key feature



- Bus power consumption: DC12-30V
- Output signal: HDL-BUS signal: 12mA/DC24V
- operating temperature 0°C-45°C
- Work relative humidity 20%-90%
- Storage temperature -40°C-+55°C
- Storage relative humidity 10%-93%
- Boundary dimension: 49x31x12 (mm)

- Bus interface: HDL-BUS
- Remote control code storage: 253 infrared code
- Launch carrier frequency: 38KHz
- Infrared remote control signal emission
- Detect accused of equipment working status

Wall Mount IR Motion Sensor

SB-WMS-PIR

Basic parameters

Key feature



- Power input: DC12-30V
- Bus power consumption: 15mA/DC24V
- operating temperature 0°C-45°C
- Work relative humidity 20%-90%
- Storage temperature -40°C-+55°C
- Storage relative humidity 10%-93%
- Installation: install in the wall

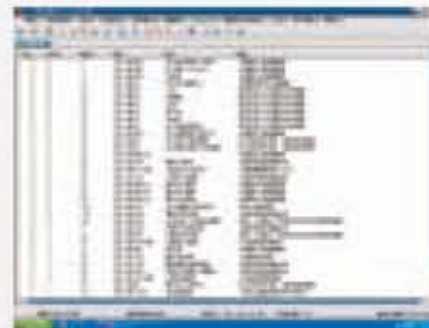
- Detective zone: 12m
- Detective angle: 110 degree
- Bus interface: HDL-BUS
- Detective distance can be adjusted: software can be adjusted
- Boundary dimension (long x wide x high): 103.6x60.2x60 (m m)



HDL-BUS system programming software MSM.V3

Product specification

HDL-Smart BUS programming software is a kind of flexible and strong function desired tool, which can help to complete related setting of engineers.



iRidium home intelligent control software (For iPhone) iRidium home intelligent control software (For iPad)

Product specification

- Under the assist of the panel desire which has been set well, this product can help to control the intelligent bus system
- Allow user to create a beautiful interface which bring the animation
- Can upload graphical interface (GUI compile or), besides it can make the interface (IRPTP4) format and release it to the equipment of Windows XP/7, Windows Mobile/CE
- At the same time, it support two or multiple equipments or through using Ethernet/wireless internet, it can control a interactive equipment application.