Smart home solutions

HDL® 河东企业
HEDONG GROUP

Based in China · Reputation World wide

HDL®
Height · Dedicated · Leading
高度 · 专注 · 引领

广 州 市 河 东 电 子 有 限 公 司
Guangzhou Hedong Electronic CO., LTD.

KNX CE cETLus P RoHS RCC ArtNet
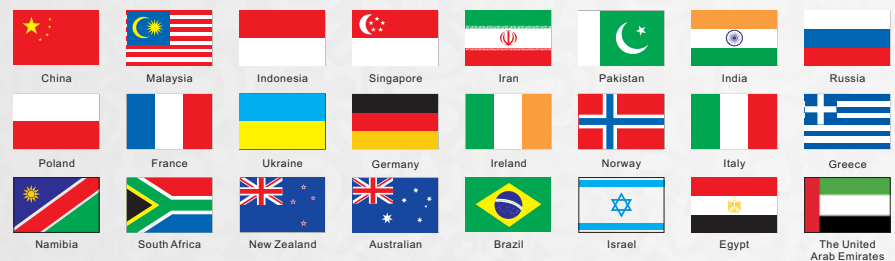
Intelligence Life
Human Oriented

CONTENTS

HDL品质　全球共享
HDL Quality, Global Sharing

The head quarter of HDL Group is located in Guangzhou, and its branch and subordinate agency extend to the whole country. HDL set up branches in Germany and Norway. Its products extend to all over the world.

The strong selling network of HDL has already covered the whole world. Today HDL has owned more than 200 dealers and more than 1000 installers, such as France, Germany, Italy, Norway, Greece, Ireland, Poland, Ukraine, Russia, Bulgaria, Australia, India, Malaysia, Indonesia, Singapore, Korea, Egypt, Iran, Israel, Pakistan, South Africa, UAE, Brazil...

Everyday, there are many engineered projects which HDL products are applied. The product of HDL has already walked around every corner of the world.

China	Malaysia	Indonesia	Singapore	Iran	Pakistan	India	Russia
Poland	France	Ukraine	Germany	Ireland	Norway	Italy	Greece
Namibia	South Africa	New Zealand	Australian	Brazil	Israel	Egypt	The United Arab Emirates

smart building exposition, India

ISE2011 in Amsterdam，Netherlands

The 9th International smart Building exhibition，Russia

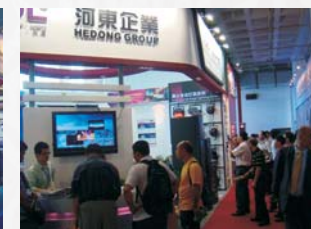Home Automation architecture exhibition, Ireland

Lighting Exhibition, Malaysia

Contemporary architectural exhibition, Greece

Entertainment equipment, smart acousto-optic product technology exhibition, Guangzhou

Lighting &audio instruments exhibition, Beijing

BIRTV exhibition, Beijing

The 11th session of the
international dealer training，2011

The 11th session of the
international dealer training，2011

The 11th session of the
international dealer training，2011

Dealer training in Brazil，2011

Dealer training in Norway，2011

Dealer training in Italy，2011

The 10th session of the
international dealer training，2011

The 10th session of the
international dealer training，2011

The 10th session of the
international dealer training，2011

Dealer training in Ukraine, 2010

Dealer training in Azerbaijan, 2010

Dealer training in Iran, 2011

The 9th session of the
international dealer training，2011

The 9th session of the
international dealer training，2011

The 9th session of the
international dealer training，2011

Dubai Dealer training in Dubai, 2011

Dealer training in United Kingdom, 2011

Dealer training in Greece, 2011

About us

HDL is a High Technology Enterprise which has more than 26 years experience in this industry.

It is engaged in professional networking stage lighting control system and Home Automation control system, for products research and develop, manufacture and sale. In recent 10 years, HDL has devoted itself to explore the field of Home Automation, and started the Chinese independent Home automation brand in China. Though combining independent research with international cooperation and aborting advanced life ideal, the market share of HDL expands unceasingly, and the products are spread across the world.

In recent years, the Home Automation products of HDL have gained various awards from domestic and overseas. In 2008, HDL prize award "Top 10 brand of Chinese intelligent lighting system", "The 2010 Asian Games Guangdong electrical building recommended brand". In 2009, the products of HDL successfully candidate CEA outstanding brand award. The building intelligent control system of HDL got prize award 2009 intelligent building high-quality products, which was given by Chinese construction association intelligent building professional committee. The chairman Liang Guoqin was given the award of "Outstanding（products）desirer"; In 2010, HDL gain the award of "Annual intelligent building high-quality products" and "Annual intelligent building industrial product branch", which is given by Chinese construction association intelligent building professional committee and domestic professional media Qian jia Web select 2010 as the ten Home Automation brands as well as ten intelligent lighting brand.

HDL has owned a high quality technical team, concentrate on research and develop of each product, concentrate on sales and service at every time, because of this dedicated spirit, HDL has gain approval from domestic and foreign organization. HDL has become a unit of the standing committee of Chinese construction association intelligent building professional committee, the member of Chinese video industry association digital home industrial alliance, the AAA quality and safety enterprise of national engineering quality safety supervision and administration committee. In the meanwhile, HDL is also the first Chinese enterprise joining in the international KNX association.

Facing the drastic competition, HDL will develop together with the technology; people oriented, and still struggle for achieving to revitalize ethical intelligent control industry.

High-tech enterprise conformation certificate

National engineering quality safety supervision and administration committee AAA quality security enterprise

Sixth place in the 2010 Intelligent Lighting Brand

Ninth place in the 2010 Home Automation brand

Software enterprise confirmation certificate

"World expo engineering services" honorary certificate

"The Asian Games engineering services" honorary certificate

2010 Asian Games in Guangdong Province, recommended brand of building electrical

Liang Guoqin president won the "2008 Ten Outstanding Designer of intelligent building industry (Product)" title

2009 famous brand products in intelligent building industry

China Construction Industry Association, Standing Committee of Intelligent Building

Unit Top ten most competitive brands

Member of European Installation Bus standard KNX Association

ISO 9001:2008 authentication enterprise

HDL - BUS construction intelligent control system won the 2010 annual intelligent building high-quality products

Energy -saving Recommended Brand

Comfortable
Safe
Intelligent
Energy saving

In the hot summer, you are driving a car, in the meanwhile sending a message to make the air-conditioner operated in advance, and prepare your favourite 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 turn off the lights of other rooms just only use a bottom of a controller.

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

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

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

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

1 Touch screen
Touch screen can provide facility and fast control mode. By using the icon which can be distinguished easily, we can enjoy the control of lighting, curtain, and background music, air-condition, security, sound, floor heating, and scene.

2 Security
The profession high quality DVR and DVS image detective alarm platform are integrated to the system, at the same time, HDL security system module controller is inserted traditional IR beam, glass break, door iron, motion sensor, RFID identification, and intimidation alarm, and combine the advanced means of the unique smart audio, flashing lights, message platform, image store.

3 Lighting
Provide a warm and comfortable lighting environment for repast, receive a visitor, movie and entertainment. It can individually control and scene control by using terminal control equipments of strong panel, remote controller, mobile touch screen and Iphone to improve used1 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
HDL 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
HDL 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.
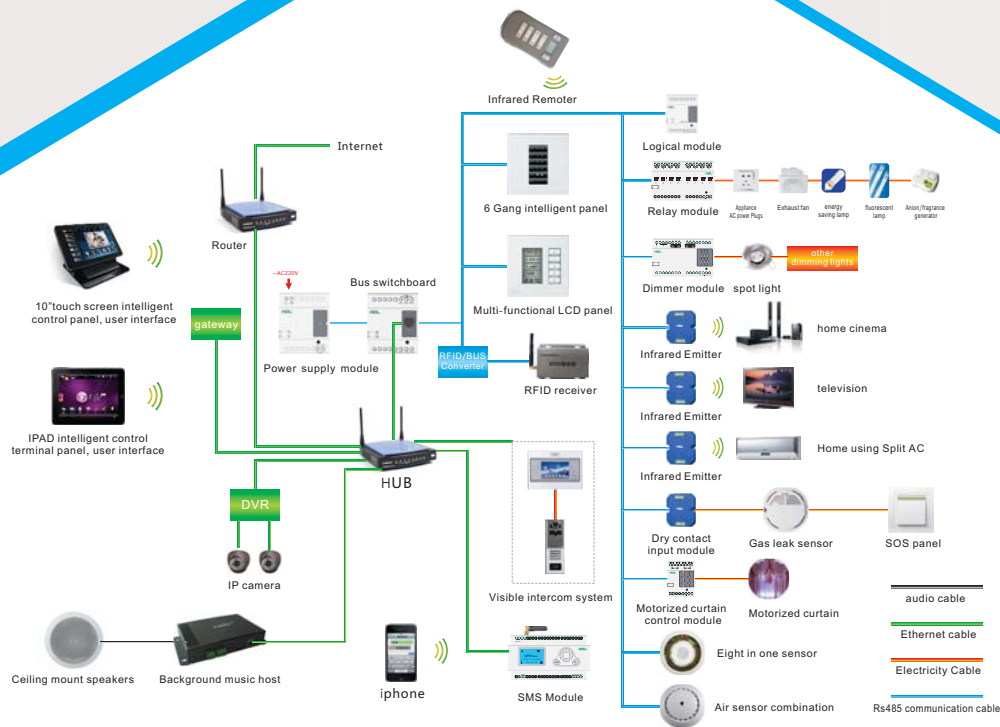
12 Irrigation
The system can decide whether opening irrigating system according to schedule and soil temperature.

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
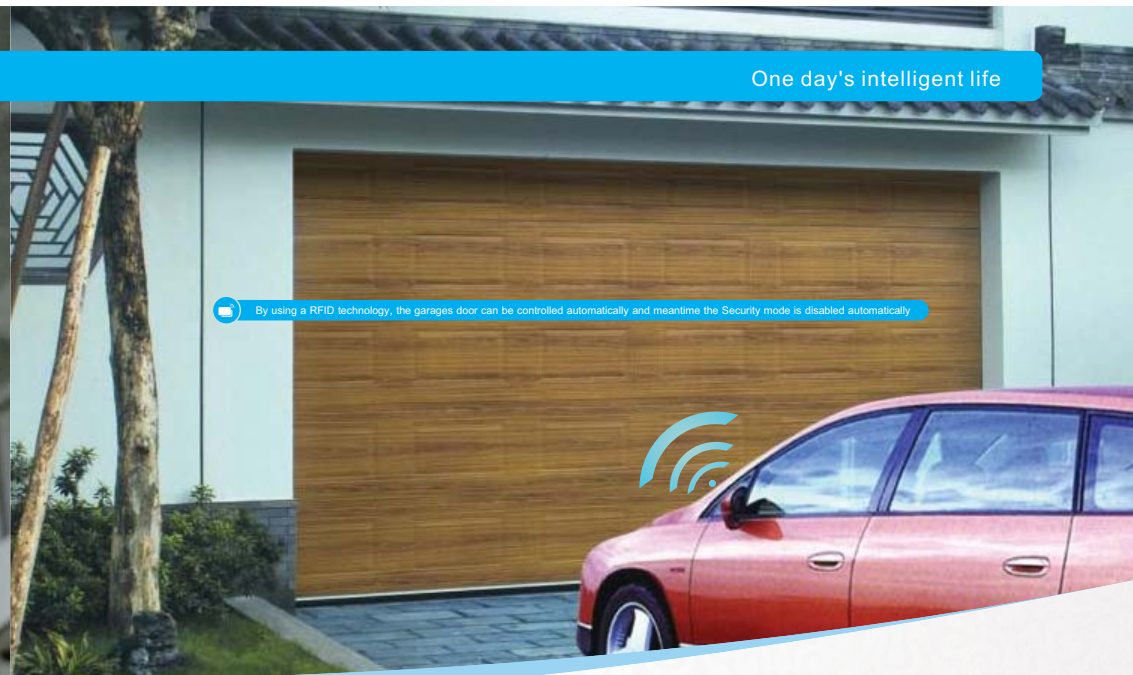## Comfortable life, realize easily

Infrared Remoter

Logical module

6 Gang intelligent panel

Relay module

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

Internet

Router

Dimmer module   spot light

other dimming lights

10"touch screen intelligent control panel, user interface

gateway

—AC220V

Bus switchboard

Multi-functional LCD panel

IPAD intelligent control terminal panel, user interface

Power supply module

Infrared Emitter

home cinema

RFID/BUS Converter

RFID receiver

Infrared Emitter

television

DVR

HUB

Infrared Emitter

Home using Split AC

IP camera

Visible intercom system

Dry contact input module

Gas leak sensor

SOS panel

Ceiling mount speakers   Background music host

iphone

SMS Module

Motorized curtain control module

Motorized curtain

audio cable

Eight in one sensor

Ethernet cable

Electricity Cable

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.

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

Sending messages successfully, Back Home mode is activated

GPRS/SMS controller

18 00　Remote control on the way of you back home

18 30　Garage automation, it can be realized by using RFID

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.

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 disarminged automatically, the garage doors will be opened automatically and garage lighting will be opened. The channel light will be opened, too.

Select "Dinner" mode, downy lamplight, can increase more romantic atmosphere
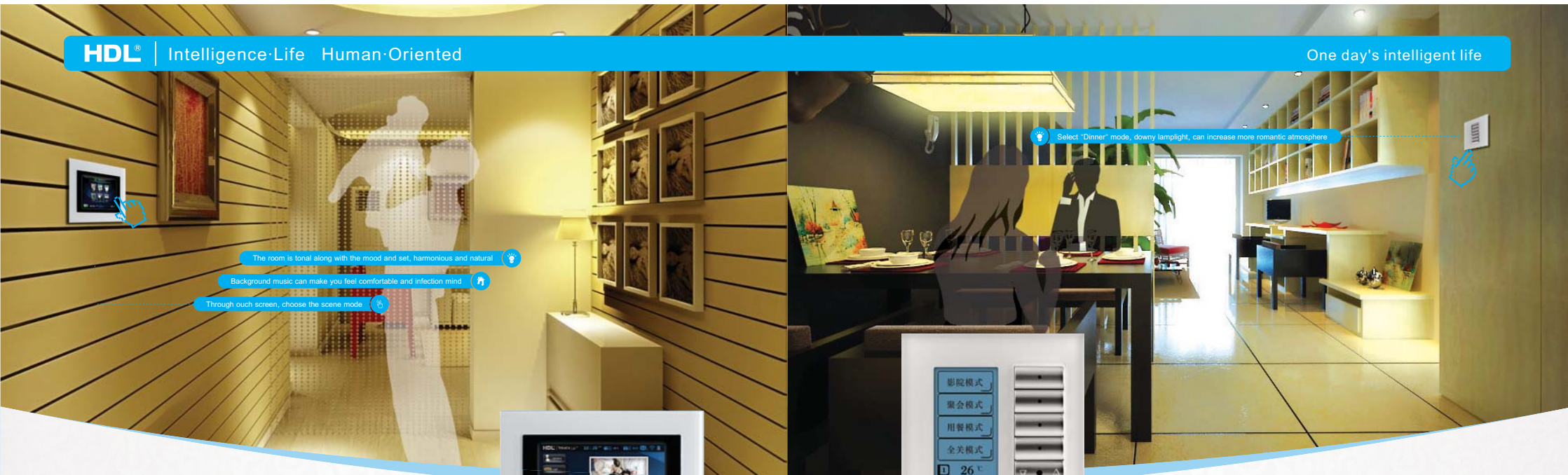
The room is tonal along with the mood and set, harmonious and natural

Background music can make you feel comfortable and infection mind

Through ouch screen, choose the scene mode

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.

User Interface of 7"touch screen intelligent control panel

影院模式
聚合模式
用餐模式
全关模式
26℃

Modern series, multi-function intelligent panel

Dining-room, romantic experience   **19 00**

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

请注意！
有入侵！

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……..
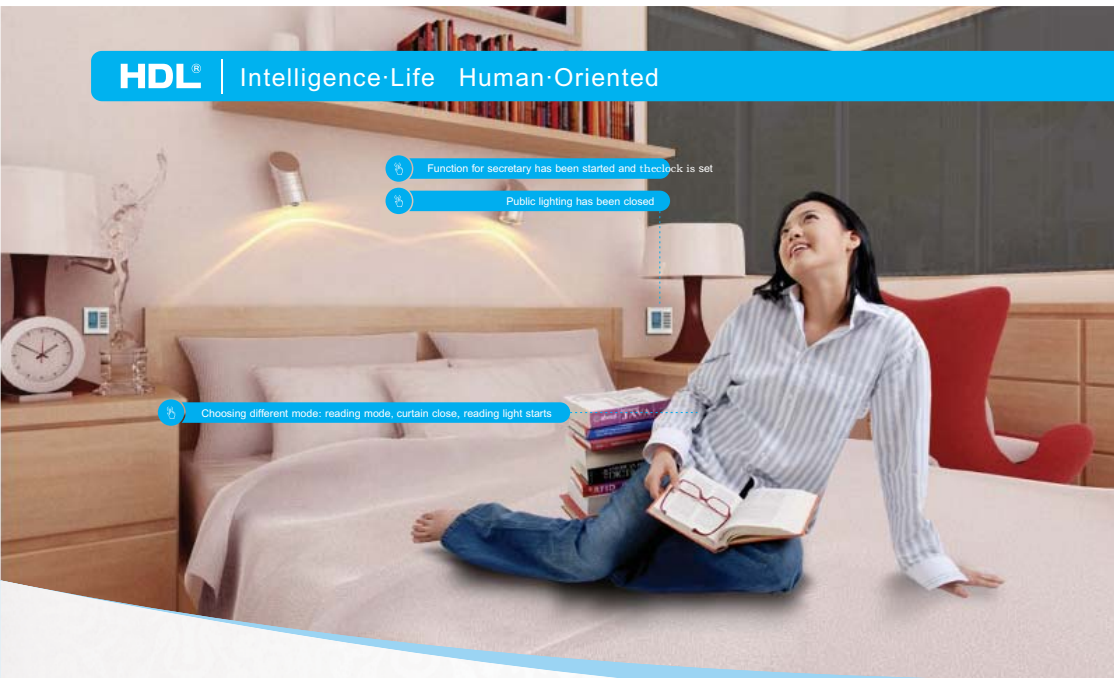
Function for secretary has been started and theclock is set

Public lighting has been closed

When time is up, the background music will start, and the curtain will open automatically

Choosing different mode: reading mode, curtain close, reading light starts

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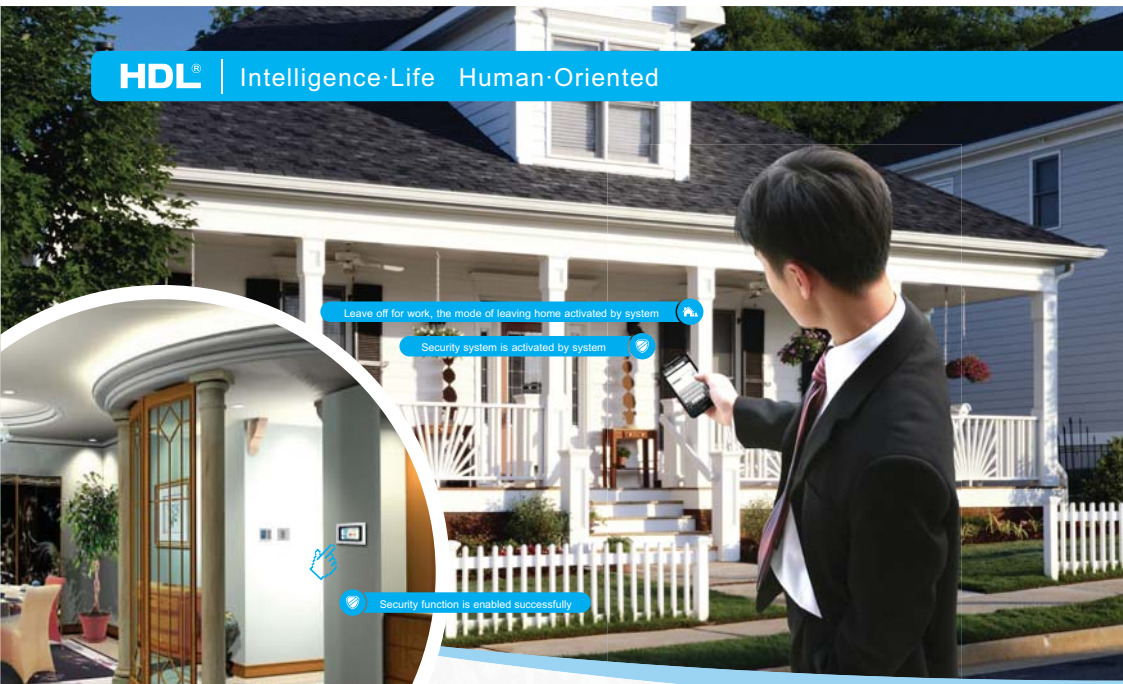
Leave off for work, the mode of leaving home activated by system

Security system is activated by system

Security function is enabled successfully

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

视频监控无异常、
灯光开启两小时
后关闭
花园灌溉完毕

选项 取消

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.

COM DATA- DATA+ DC24V

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 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

求助：
家中操长者需要
帮助，请及时处
理!
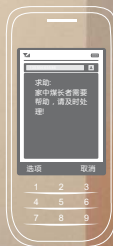
Indoor alarm voice rings, messages are sent successfully

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

警察
家中煤气泄露，已
经发生火灾，请及
时处理!

Multifunction Sensor

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.

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.

Warning message have already informed the family and the security

Have already informed the police station... ...

Illegal infiltration can trigger multistage alarm

Video is monitoring… …

Through using ilife, you can timely control all family appliances

Through using websever, you can timely check the situation of family
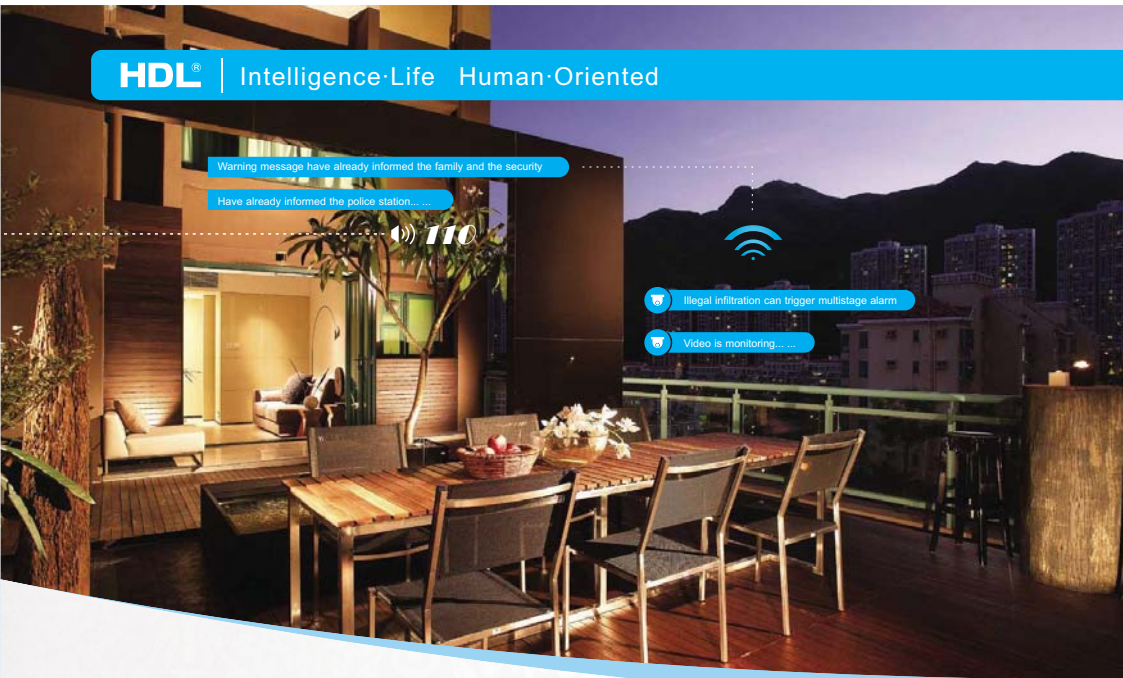
Multistage alarm

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.

Company   12 30

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.

Home Control

Main Menu

Room Control

Security Control

CCTV Control

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-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 buthom

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

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-Wall Mount
13-Motion sensor
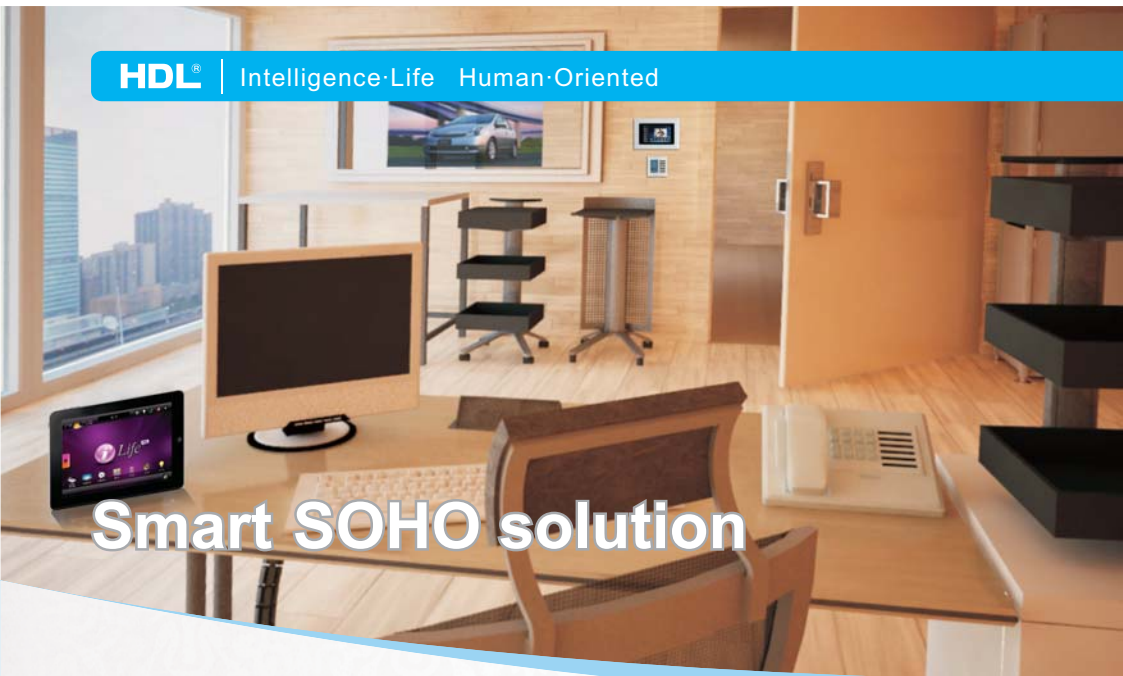
Smart SOHO solution

Smart family cinema 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-Digta 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

1-LED galaxy decoration
2-Lighting and dimmer scene
3-Motoriezd 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. Inferior 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.
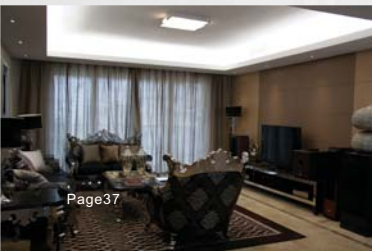
Lugang-Future City Intelligent Deluxe Apartment

lugang-future city smart deluxe apartment is located in north tangshan, west youyi road. it covers 571......lugang-future citysmart deluxe apartment is ranked as the model project of world bank/global environment fund "china supply revolution and saving".

lugang-future city smart deluxe apartment is the first intelligent apartment in tangshan. there are 268 apartments, covering 130~190 square meters. it's supplied by guangzhou hedong electric company ltd. one period clothbound apartment have debugging recently and delivery the owner to live in.

The Centro Smart House Control System in Tianjin

"the centro" smart house control system is developed from aolian real estate development ltd. in tianjin. aolian real estate development ltd. in tianjin as a branch of singapore combination group in china, inherits building features of singapore, develop and expand green concept by means of accumulating more than 20 years building experience of cities. it also forged exquisite apartment program "the centro" smart house control system, which is subject to the living concept of "alpha" together with the world famous building desire company rad.

there are 323 sets of small family apartment and 58 sets of big family apartment in "the centro" smart house. that program requires all desire must adopt advanced intelligent home control. many famous intelligent home enterprises, including hdl participate the program positively. through realistic home and compare from developers, they choose hdl as the intelligent home system eventually.
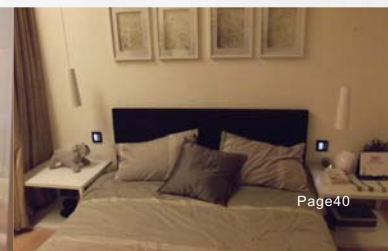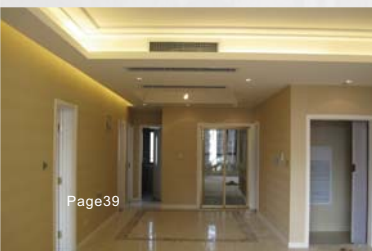
Xiangjiang villa
smart home engineer in Beijing

Bishui manor smart
home engineer in Beijing

Ruian garden plot
smart home engineer in Wuhan

Dongyi garden smart
home engineer in Guangzhou

Country gander
smart home engineer in Shunde

Zhuquemen apartment
smart home engineer in Beijing

Villa plot smart home
engineer in Shangdong district

Country garden smart
home engineer in south China

Splendid Xiangjiang penthouse
smart home engineer in Guangzhou

Guantang villa
smart home engineer in Beijing

Mingxiu villa
smart engineer in Dalian

Lanwan international
plot smart home engineer in Xiamen

Baoli golf villa smart
home engineer in Chongqin

Aoyuan smart
home engineer in Nansha

Tixiang Caotang villa
smart home engineer in Beijing

Wutong mountain villa
smart home engineer in Shenzhen
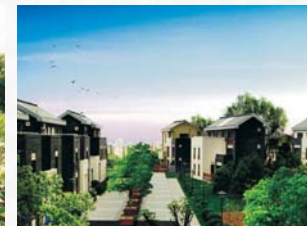
Tanfu villa smart
home engineer in Tianjin

Smart home engineer
in the bay of Xiamen University

Villa smart home engineer in Bulgaria

Smart home engineer in South Africa

Smart home engineer in South Africa

Smart home engineer in Iran

Smart home engineer in Ukraine

Smart home engineer in South Africa

Smart home engineer in South Africa

Smart home engineer in Iran

Smart home engineer in Dubai

Smart home engineer in South Africa

Smart home engineer in South Africa

Villa smart home engineer in Bulgaria

Smart home engineer in Dubai

Smart home engineerin Jumeirah Ancient Park
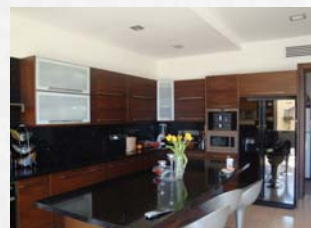
Smart home engineer in Cyprus

Smart home engineer in Pakistan

Smart home engineer in Estonia

Smart home engineer in Brazil

Villa smart home engineer in Egypt

Kish Island program
smart home engineer in Iran

Smart home engineer in Cyprus

Beijing's Great Hall of the people

Daming palace national ruins park

Shanghai1 world expo center

Villa smart home
engineer in the eye of South Africa

Villa smart home engineer in Bulgaria

Sao Paulo smart home engineer in Brazil

China Aviation Pavilion
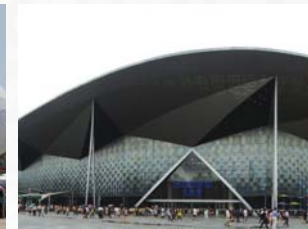
Theme pavilion of city people

BMW world museum in Germany

Le company smart
home engineer in Pakistan

Smart home engineer in Iran

Smart home engineer in Cyprus

Sydney Opera House

The French grand

Spain canal grand theater

Modern series multi-function intelligence panel

SB-DLP-MEU

Basic parameters

· Mains input: DC12-30V
· Bus power consumption: 30m A/DC24V
· operating temperature 0℃～40℃
· Work relative humidity 20℃～90℃
· Storage temperature -40℃＋55℃
· Storage relative humidity10%~93%
· Installation: standard 86x86（m m）
· Boundary dimension: 86x86x35（m m）

Key feature

·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 thedigital background music player control page, the seventh page isgeothermal function
·Internet ID code setting, have remote program and management function
·Adopt 485 fieldbus communication way

7"touch screen intelligent control terminals

SB-WL-TS7

Basic parameters

·Mains input: DC24V
·Bus power consumption: 200mA/DC24V
·operating temperature 0℃～40℃
·Work relative humidity 20%~90%
·Storage temperature -40℃～+55℃
·Storage relative humidity 10%~93%

10"touch screen intelligent control terminals

SB-MBL-TS10-CE

Basic parameters

·Input voltage : DC12V
·CPU： 667MHz
·FLASH ROM : 256M NandFlash
·SDRAM : 128M DDR
·OS : WindowsCE6.0net

Modern series glass touch panel

MPT106.38110

Basic parameters

· Mains input: DC12-30V
· Bus power consumption: 15m A/DC24V
· operating temperature 0℃～40℃
· Work relative humidity : 20℃～90℃
· Storage temperature ：-40℃＋55℃
· Storage relative humidity : 10%~93%
· Installation: standard 86X86（m m）

Key feature

·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(m m)

ILIFE home intelligent control software

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 scène switch security monitoring.

Modern series intelligent panel

SB-WS6-UK

Basic parameters

· Mains input: DC12-30V
· Bus power consumption: 15mA/DC24V
· operating temperature 0℃~40℃
· Work relative humidity 20%~90%
· Storage temperature -40℃~+55℃
· Storage relative humidity 10%~93%
· Installation : standard 86x86（m m）

Key feature

·infrared function: panel buttons can receive remote signal
·Panel button mode: single switch, single-open, single-close, muliti 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

Z-Audio digital background music player

SB-Z-Audio

Basic parameters

· Work voltage: DC±24V
· Statical 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

· 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

· Power Supply : AC220V
· BUS Power Consumption : 35mA/DC24V
· Working Condition:
  Working Temperature : 0℃~45℃
  Working Relative Humidity : 20%~90%
  Storage Temperature : -40℃~+55℃
  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)

Key feature

· 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.

2 channel 6A intelligent dimmer

SB-DN-D0206

Basic parameters

· Power Supply : AC220V
· BUS Power Consumption : 25mA/DC24V
· Working Condition:
  Working Temperature : 0℃~45℃
  Working Relative Humidity : 20%~90%
  Storage Temperature : -40℃~+55℃
  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)

Key feature

· 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 10A intelligent relay

SB-DN-R0810

Basic parameters

· Power Supply: AC110V/220V
· BUS Power Consumption: Built-In Power Supply
· Working Condition:
  Working Temperature: 0℃~45℃
  Working Relative Humidity: 20%~90%
  Storage Temperature: -40℃~+55℃
  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

Key feature

· 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 10A intelligent relay module

SB-DN-R0410

Basic parameters

· Power Supply: AC110V/220V
· BUS Power Consumption: Built-In Power Supply
· Working Condition:
  Working Temperature: 0℃~45℃
  Working Relative Humidity: 20%~90%
  Storage Temperature: -40℃~+55℃
  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

Key feature

· 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

8 channel 16A intelligent relay module

SB-DN-R0816

Basic parameters

· Power Supply : DC24V
· Power Consumption:
  Static BUS Power Consumption: 15mA/DC24V
  Dynamic BUS Power Consumption: 40mA/DC24V
· Working Condition
  Working Temperature: 0℃~45℃
  Working Relative Humidity: 20%~90%
  Storage Temperature: -40℃~+55℃
  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)

Key feature

· 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.

4 channel 16A intelligent relay module

SB-DN-R0416

Basic parameters

· Power Supply : DC24V
· Power Consumption:
  Static BUS Power Consumption: 15mA/DC24V
  Dynamic BUS Power Consumption: 40mA/DC24V
· Working Condition
  Working Temperature: 0℃~45℃
  Working Relative Humidity: 20%~90%
  Storage Temperature: -40℃~+55℃
  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)

Key feature

· 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

SB-DN-R1216

Basic parameters

· Power Supply : DC24V
· Power Consumption:
  Static BUS Power Consumption: 15mA/DC24V
  Dynamic BUS Power Consumption: 40mA/DC24V
· Working Condition
  Working Temperature: 0℃~45℃
  Working Relative Humidity: 20%~90%
  Storage Temperature: -40℃~+55℃
  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

· 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.

Logical controller

SN-DN-Logic960

Basic parameters

· Power Supply : DC24V
· BUS Power Consumption : 15mA/DC24V
· Working Condition
  Working Temperature: 0℃~45℃
  Working Relative Humidity: 20%~90%
  Storage Temperature: -40℃~+55℃
  Storage Relative Humidity: 10%~93%
· Installation :Standard 35 mm Din Rail
· Dimension :72x88x66 (mm)

Key feature

· 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

SB-DN-6B0-10V

Basic parameters

· 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℃~45℃
  Working Relative Humidity: 20%~90%
  Storage Temperature: -40℃~+55℃
  Storage Relative Humidity: 10%~93%
· Installation : Standard 35 mm Din Rail
· Dimension : 144x88x66 (mm)

2 channel curtain controller

SB-DN-2Motor

Basic parameters

· Power Supply : DC24V
· BUS Power Consumption :
  35mA/DC24V
· Working Condition :
  Working Temperature: 0℃~45℃
  Working Relative Humidity: 20%~90%
  Storage Temperature: -40℃~+55℃
  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)

SMS Module

SB-DN-SMS/IP

Basic parameters

· Power Supply : DC24V
· BUS Power Consumption : 500mA/DC24V
· Working Condition
  Working Temperature: 0℃~45℃
  Working Relative Humidity: 20%~90%
  Storage Temperature: -40℃~+55℃
  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

· 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

SB-DN-HVAC

Basic parameters

· Power Supply : DC24V
· BUS Power Consumption :
  35mA/DC24V
· Working Condition :
  Working Temperature: 0℃~45℃
  Working Relative Humidity: 20%~90%
  Storage Temperature: -40℃~+55℃
  Storage Relative Humidity: 10%~93%
· Installation : Standard 35 mm Din Rail
· Dimension : 72x88x66 (mm)

Key feature

· Output : 5 channel of Relay, 5A for each channel
· Fan Speed : High/Medium/Low
· Mode : Cooling/Heating
· 0~10V Output control for VAV

48 channel scene controller

SB-DN-48DMX

Basic parameters

· Power Supply : DC24V
· BUS Power Consumption : 40mA/DC24V
· Working Condition
  Working Temperature: 0℃~45℃
  Working Relative Humidity: 20%~90%
  Storage Temperature: -40℃~+55℃
  Storage Relative Humidity: 10%~93%
· Installation : Standard 35 mm Din Rail
· Dimension : 144x88x66 (mm)
· Built-In Ethernet RJ45 Interface

Key feature

· 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

SB-DN-RS232

Basic parameters

· Power Supply : DC24V
· BUS Power Consumption : 15mA/DC24V
· Working Condition
  Working Temperature: 0℃~45℃
  Working Relative Humidity: 20%~90%
  Storage Temperature: -40℃~+55℃
  Storage Relative Humidity: 10%~93%
· Installation : Standard 35 mm Din Rail
· Interface : S-BUS , Rs232
· Dimension : 72x88x66 (mm)

HDL Infrared Learner

SB-IR-Learn

Basic parameters

· operating temperature 0℃~45℃
· Work relative humidity 20%~90%
· Storage temperature −40℃~+55℃
· Storage relative humidity 10%~93%
· Boundary dimension: 98x70x30 (m m)
· USB interface
· Infrared code study
· Infrared code emission test

8 in one sensor

SB-CMS-8in1

Basic parameters

· Power input: DC12—30V
· Bus power consumption: 20mA/DC24V
· operating temperature 0℃~45℃
· Work relative humidity 20%~90%
· Storage temperature -40℃~+55℃
· Storage relative humidity 10%~93%
· Signal interface: HDL-BUS signal interface
· Boundary dimension: 80x39.2 (mm)

Key feature

· 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

SB-CMS-THA

Basic parameters

· Power input: DC12 - 30V
· Bus power consumption: 20mA/DC24V
· Signal interface: HDL-BUS
· operating temperature 0℃~45℃
· Work relative humidity 20%~90%
· Storage temperature -40℃~+55℃
· Storage relative humidity 10%~93%
· Boundary dimension: 80 x 25(m m)

Key feature

· 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

DC24V 750m A power module

SB-DN-PS750

Basic parameters

· Power Supply : AC220V±10%
· Frequency : 50~60HZ
· Power Supply to BUS : 750mA
· Output Voltage : DC24V
· Working Condition:
  Working Temperature: 0℃~45℃
  Working Relative Humidity : 20%~90%
  Storage Temperature : -40℃~+55℃
  Storage Relative Humidity : 10%~93%
· Installation : Standard 35 (mm) Din Rail
· Dimension : 72x88x66 (mm)

Key feature

· operating temperature 0℃~40℃
· Work relative humidity 20%~90%
· Storage temperature -40℃~+55℃
· Storage relative humidity10%~93%

SB-CMS-PIR

Basic parameters

· Power input: DC12—30V
· Bus power consumption: 12mA/DC24V
· operating temperature 0℃~45℃
· Work relative humidity 20%~90%
· Storage temperature -40℃~+55℃
· Storage relative humidity10%~93%
· Installation:
  install in the wall or ceiling installation

Key feature

· 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)

1 port bus switch board

SB-DN-1IP

Basic parameters

· Power Supply : DC12~30V
· BUS Power Consumption : 40mA/DC24V
· Working Condition:
  Working Temperature: 0℃~45℃
  Working Relative Humidity : 20%~90%
  Storage Temperature : -40℃~+55℃
  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)

Key feature

· 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℃~45℃ · Work relative humidity 20%~90% · Storage temperature −40℃~+55℃ · 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℃~45℃ · Work relative humidity 20%~90% · Storage temperature −40℃~+55℃ · 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℃~45℃ · Work relative humidity 20%~90% · Storage temperature −40℃~+55℃ · 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 systen programming software

MSM.V3

Product specification

HDL-Miracle building intelligent control system programming software is a kind of flexible and strong function desired tool, which can help to complete related setting of engineers.
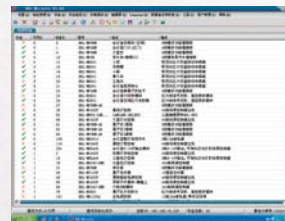
iRidium home inteligent control software (iPhone版)
iRidium home inteligent control software (iPad版)

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.