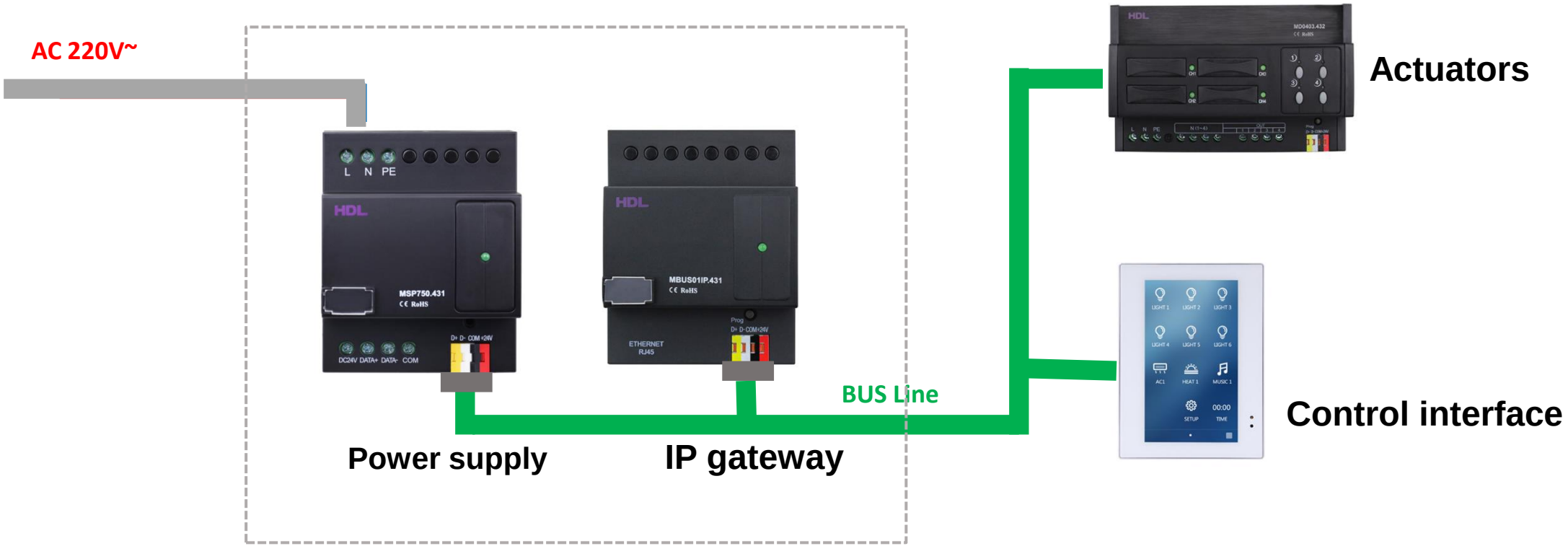
Wired Systems

Infrastructures

The most Essential devices needed for all Projects



Power Supply

- 750mA , 1200mA and 2400mA
- 960mA

750mA

1200mA

2400mA

IP Gateway

buspro

Link Gateway

LINK

HDL®

Net/IP Router

KNX®

HDL-BUS and KNX-EIB Interface Converter

KNX®

buspro

Link Gateway LINK

- It is considered as a server
- Designed based on Linux system hardware platform
- It supports HDL Buspro Setup Tool, ON+, Cloud server, etc., integrating scene, logic, security, clock, server automatic prompt upgrade and other functions.
- Supports LAN Control, P2P control, Remote control

HDL® LINK

Enhance connectivity and reduce integration cost

Getaway & Mobile App

Comparison of Function	HDL ON	ON Pro
Permission Management	×	√
Scene Customization	√	√
Automation	×	√
Member Management	√	√
Security Development	×	√
Access Location of project	×	√
Notification Push	√	√
KNX	×	√
Client approval for project debug	×	√
Use siri Directly	×	√
Add 3rd party brand as cameras,….	×	√

Controllers/ Actuators

Controllers/ Actuators

Switch Actuator (Relay Module)

Dimmer

Lighting Control

Curtain controller

AC controller

Security host

Switch Actuator (Relay Module)

KNX®

buspro

HDL®

- Power On/off control
- AC/**DC** loads
- For example: lights, fans, sprinklers, water heater, Siren/Buzzer/electromagnetic lock
- Available as 1/2/3/4/6/8/12/16 channel
- **10/16/20 A** are available

Lighting Control：

Dimmers

- Phase Cut (220 V)
  - Leading Edge (TRIAC)
  - Leading & Trailing Edge (MOSFET)
- 0-10 V
- DALI
- DMX
- LED Strip

Curtain/Blind Actuator

Tubular Motor

Curtain Motor

HDL Smart Curtain/ Blind Motor

+

buspro

KNX®

HDL®

Power Supply

24V

220V

Curtain Motor

MWC1-BP.10

Gateway

Buspro Link Gateway

APP

On Pro

Panel

Source Panel

Smart Panel

Interactive control

Necessary accessories

or

Curtain Track

Extendable Curtain Track

Accessories

Remote Controll

Double Channel

Electric Fan Control Actuator

buspro

Split AC Control: IR Emitter

HDL®

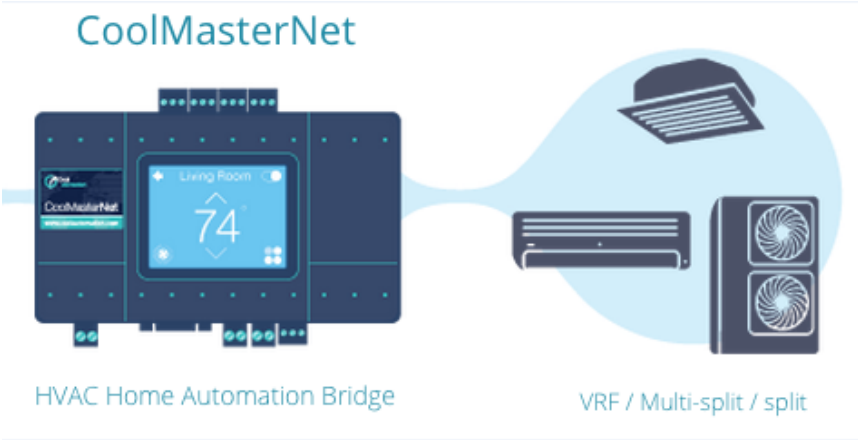
KNX®

buspro

Fan Coil AC Actuator

HVAC module

VRF, VRV, Multi-Split & Split Centralized AC system Integration



HomePlay Audio Player

- Resources
  - Music from local storage in your phone, USB, SD card, Bluetooth, Airplay
  - Online music services supported

    (Pandora, Spotify, v Tuner, Tidal, qobuz)
  - Online FM-radio supported
  - NAS supported DLNA protocol
- Outputs
  - 32W+32W(6Ω/ohms,1kHz, 0.7%)
  - 40W+40W(8Ω/ohms,20Hz-20kHz, 5%)
  - Stereo Separation >81.5dB (1KHz)

MZBOX-A50B.30

Speakers

HDL On App

Security Host module

Security module
(Monitor dry contact status)

Dry contact input
(integrate third-party security devices)

Logic Automation Module

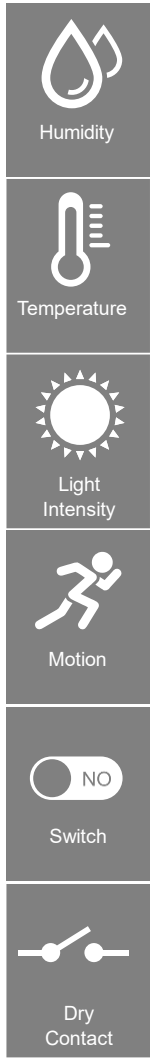
- Logic Timer, empower the system with abilities of timer and logic control

Sensors

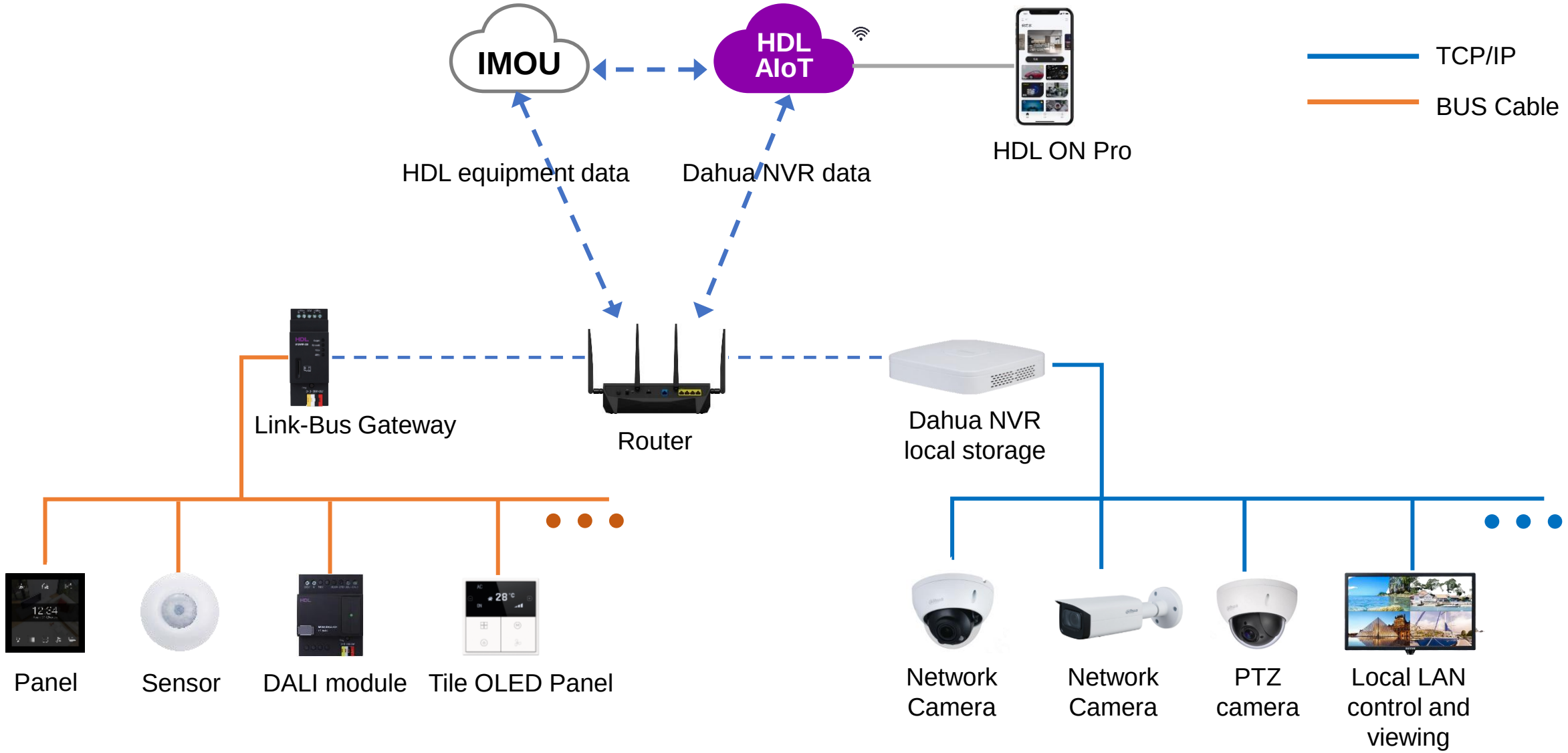
Sensors for Automatic Control

HDL®

- Movement detection
- Temperature, Humidity
- Air Quality
- Constant LUX (daylight)
- Dry Contact Inputs
- IR control
- **Simple logic**
- PIR, Ultrasonic, Microwave
- outdoor(only one model)



KNX® buspro


IMOU
HDL AIoT
HDL ON Pro
TCP/IP
BUS Cable
HDL equipment data
Dahua NVR data
Link-Bus Gateway
Router
Dahua NVR local storage
Panel
Sensor
DALI module
Tile OLED Panel
Network Camera
Network Camera
PTZ camera
Local LAN control and viewing

When Video Intercom Meet with Smart Home

Dahua IP Indoor Monitor

Wall APP Software

Wall APP

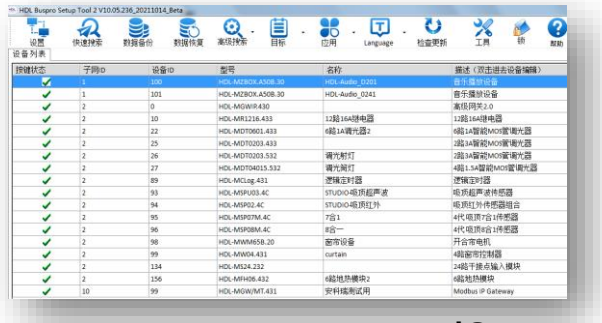
Control Buspro Module

State Feedback

Data Upload

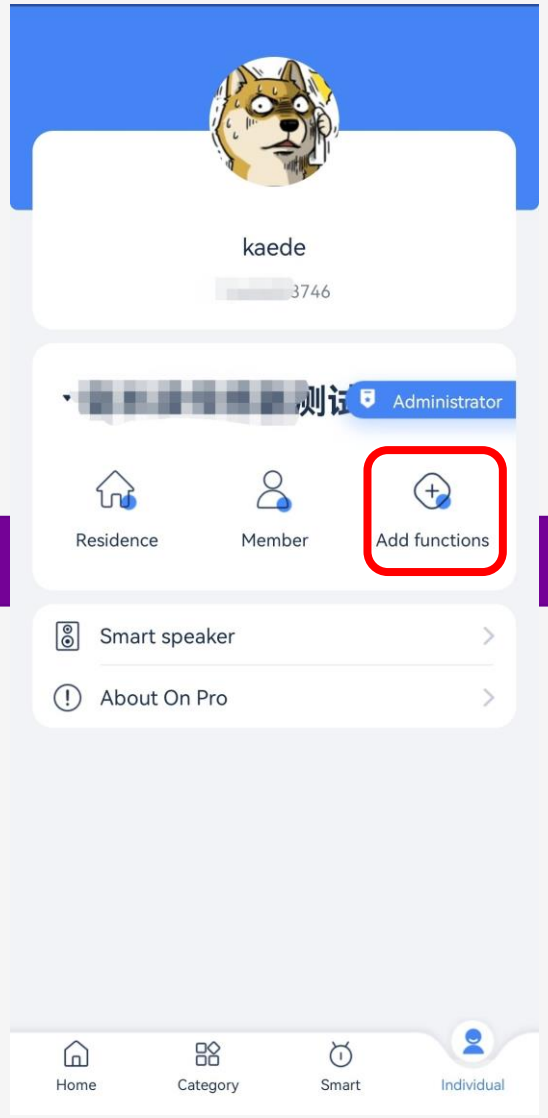
HDL Buspro System

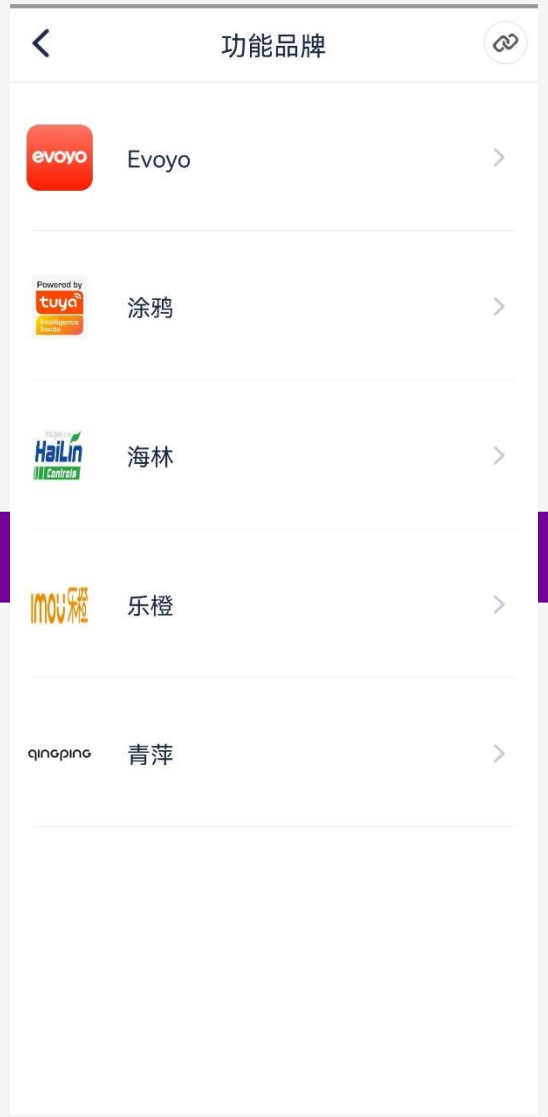
Configuration Parameter

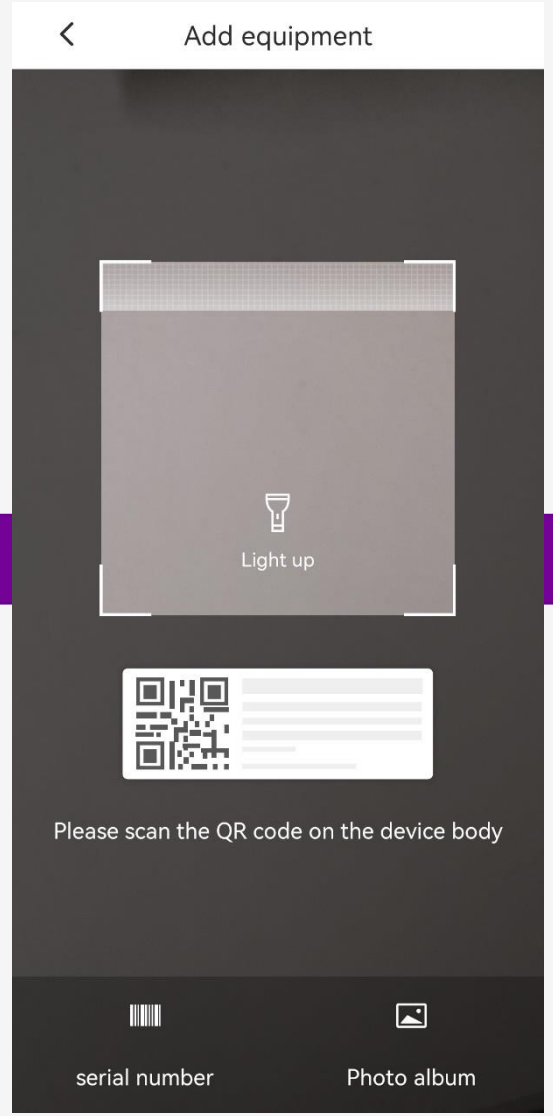


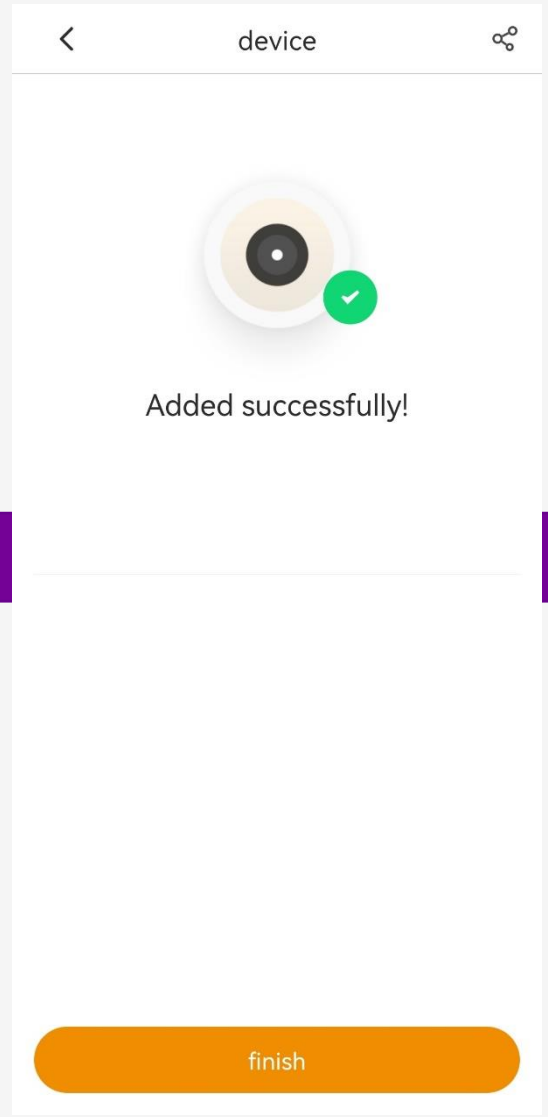
BusPro setup tool2

APP Display


kaede
3746
Administrator
Residence
Member
Add functions
Smart speaker
About On Pro
Home
Category
Smart
Individual


功能品牌
Evoyo
涂鸦
海林
乐橙
青萍


Add equipment
Light up
Please scan the QR code on the device body
serial number
Photo album


device
Added successfully!
finish

Dahua Network Camera

Model： DH-IPC-HDBW3241RP-ZAS

Specifications

- > 2MP, 1/2.8” CMOS image sensor, low illuminance, high image definition
- > Outputs max. 2MP (1920 × 1080)@30 fps
- > H.265 codec, high compression rate, low bit rate
- > Built-in IR LED, max. IR distance: 40 m
- > ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- > Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- > Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- > Abnormality detection: Motion detection, video tampering, scene changing, audio abnormality detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- > Alarm: In, out; Audio: In, out; Supports max. 256 G Micro SD card
- > 12V DC/POE power supply
- > IP67, IK10 protection
- > SMD Plus

Model： DH-IPC-HFW3241TP-ZAS

Specifications

- > 2MP, 1/2.8” CMOS image sensor, low illuminance, high image definition
- > Outputs max. 2MP (1920 × 1080)@30 fps
- > H.265 codec, high compression rate, low bit rate
- > Built-in IR LED, max. IR distance: 60 m
- > ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- > Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- > Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- > Abnormality detection: Motion detection, video tampering, scene changing, audio abnormality detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- > Alarm: In, out; Audio: In, out; Supports max. 256 G Micro SD card
- > 12V DC/POE power supply
- > IP67, IK10(optional) protection
- > SMD Plus

Dahua PTZ Camera

Model： DH-SD22204UE-GN

Specifications

- > 1/2.8” STARVIS™ CMOS
- > Powerful 4x optical zoom
- > Support triple-streams encoding
- > WDR, Day/Night(ICR), Ultra DNR
- > Max. 25/30fps@1080P· Max 100°/s pan speed
- > Support PoE
- > IP66, IK10

Model： DH-SD22404UE-GN

Specifications

- > 1/3” 4Megapixel CMOS
- > Powerful 4x optical zoom
- > WDR, Day/Night(ICR), Ultra DNR
- > Max. 25/30fps@4M/3M
- > IVS
- > Support PoE
- > IP66, IK10

Dahua Hard Disk Recorder

Model： DHI-NVR4104-4KS2/L

Specifications

- > New 4.0 user interface, Security baseline 2.1
- > H.264, H.265, Smart H.264+, and Smart H.265+. H.265 auto switch
- > Max. decoding capability: 4× 1080p@30 fps. Supports adaptive decoding
- > Supports mainstream cameras of ONVIF and RTSP protocols
- > P2P remote surveillance, video play on mobile device
- > VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
- > AI by Camera: Face detection, perimeter protection, IVS, people counting, heat map, and SMD
- > Supports remote configuration and management of IPC, such as set

Model： DHI-NVR4208-8P-4KS2/L

Specifications

- > New 4.0 user interface, Security baseline 2.1
- > H.264, H.265, Smart H.264+, and Smart H.265+. H.265 auto switch
- > Max. decoding capability: 8 × 1080p@30 fps. Supports adaptive decoding
- > Supports mainstream cameras of ONVIF and RTSP protocols
- > P2P remote surveillance, video play on mobile device
- > VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
- > AI by Camera: Face detection, perimeter protection, IVS, people counting, heat map, and SMD
- > Supports remote configuration and management of IPC, such as set ting parameters, getting information, and upgrading IPC of the same model in batches

Dahua Hard Disk Recorder

Model： DHI-NVR4116HS-8P-4KS2/L

Specifications

- > New 4.0 user interface, Security baseline 2.1
- > H.264, H.265, Smart H.264+, and Smart H.265+. H.265 auto switch
- > Max. decoding capability: 8 × 1080p@30 fps. Supports adaptive decoding
- > Supports mainstream cameras of ONVIF and RTSP protocols
- > P2P remote surveillance, video play on mobile device
- > VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
- > AI by Camera: Face detection, perimeter protection, IVS, people counting, heat map, and SMD
- > Supports remote configuration and management of IPC, such as set ting parameters, getting information, and upgrading IPC of the same model in batches

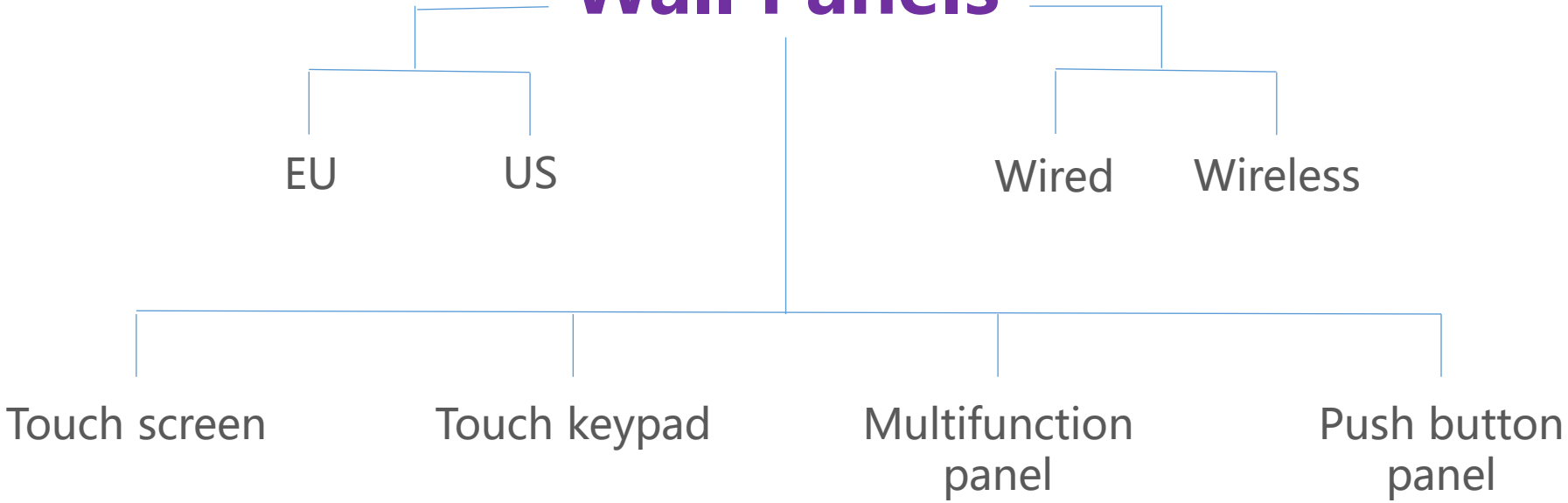
Model： DHI-NVR4232-4KS2/L

Specifications

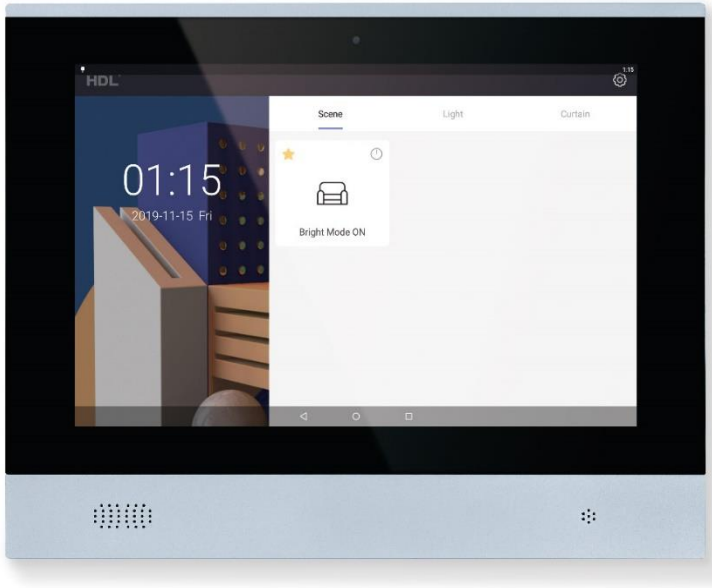
- > New 4.0 user interface, Security baseline 2.1
- > H.264, H.265, Smart H.264+, and Smart H.265+. H.265 auto switch
- > Max. decoding capability: 8 × 1080p@30 fps. Supports adaptive decoding
- > Supports mainstream cameras of ONVIF and RTSP protocols
- > P2P remote surveillance, video play on mobile device
- > VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K
- > AI by Camera: Face detection, perimeter protection, IVS, people counting, heat map, and SMD
- > Supports remote configuration and management of IPC, such as set ting parameters, getting information, and upgrading IPC of the same model in batches

Control interface

Wall Panels


EU
US
Wired
Wireless
Touch screen
Touch keypad
Multifunction panel
Push button panel

S10 10 inch touch screen



HDL®

android

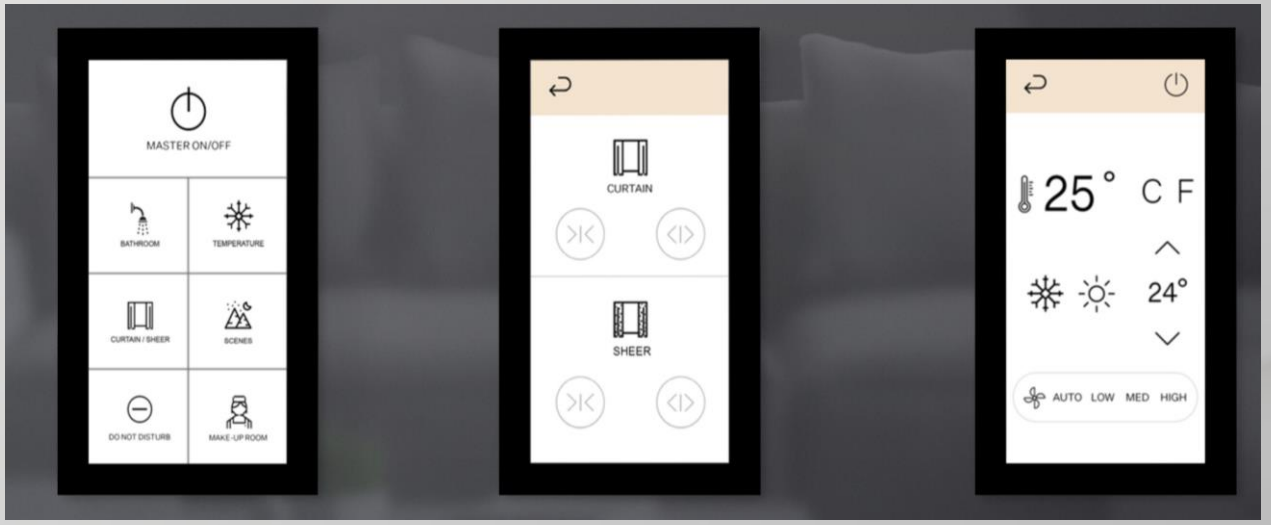
KNX®

buspro

- 10.1-inch 800X1280P touch display
- 2 MP front facing camera
- High-sensitivity microphone and low-distortion speaker
- Built-in proximity sensor, temperature sensor & real time clock (RTC)

S57

- 5.7-inch 1280 x 640P touch display with 18:9 aspect ratio
- Built-in proximity sensor, brightness sensor
- Built-in microphone and speaker



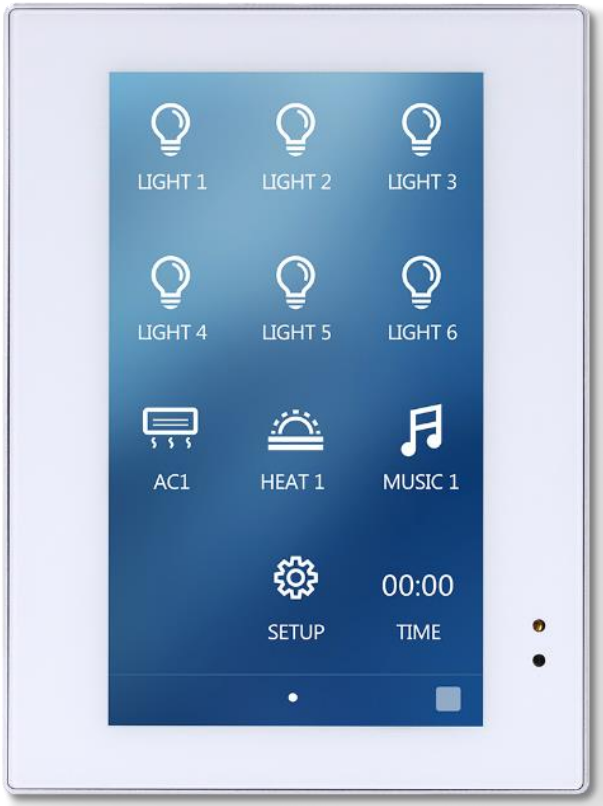
Zigbee

Buspro

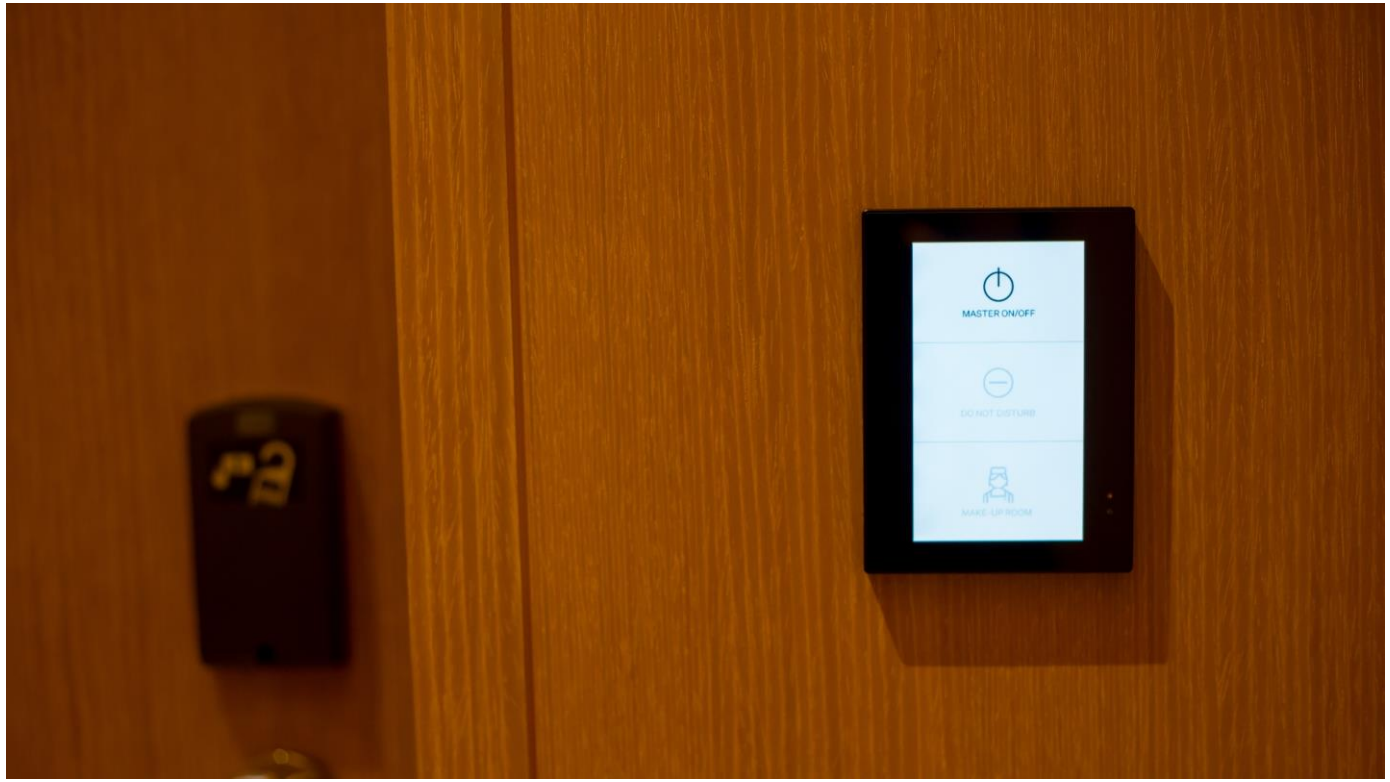
KNX

Source smart central control 7 inches

ENVIRO



- 4.3-inch touch display.
- Built-in proximity, temperature sensor
- Built-in IR receiver
- Built-in real-time clock
- Aluminum frame
- Colors: White, black



Granite Display

Main Menu

Air Conditioning

Lighting

Floor Heating

Curtain

Fresh Air

- 4-inch 720 x 720P HD touch display
- Built-in proximity sensor
- Built-in temperature and humidity sensor
- Adjustable screen backlight brightness
- Available in two colors: White, black
- Runs on HDL Buspro protocol or KNX

DLP Touch

- Mono-color LCD
- Touch buttons
- Customizable icons and captions
- Built-in temperature sensor, proximity sensor, IR receiver
- Glass cover and Aluminum frame

DLP

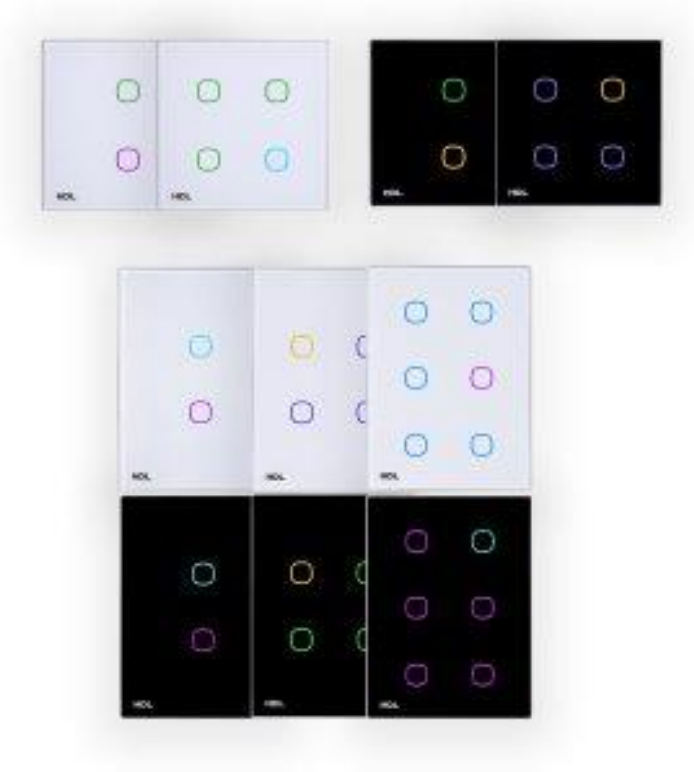
HDL®

KNX® buspro

- Mono-color LCD
- Physical buttons
- Customizable icons or captions
- Built-in temperature sensor
- Aluminum frame

iTouch

- Touch button with RGB backlight
- Glass cover and Aluminum frame
- Supports online upgrade



Tile Display

Tile Display is a multifunctional touch panel with a 3.5-inch high-resolution display. You can control all the connected devices on one panel. It also surprises us with its fine frame and user-friendly interface with cool icons.

Available for:

buspro KNX

Tile-button panel

One-button A

Two-button A

One-button B

Two-button B

Four-button A

OLED Panel

Color:

Plastics: Ivory White Ash Gray Metal: Space Gray Champagne Gold

Power Interface

- Install in US/ EU standard boxes
- Supports HDL Buspro/KNX cable
- Power supply: DC 24V