

# Smart Building Control Systems

KNX/EIB System  
Video Intercom System



Catalogue  
2025/26



## KNX Smart Touch S7

An ALL-IN-ONE smart panel for KNX & SIP video Intercom

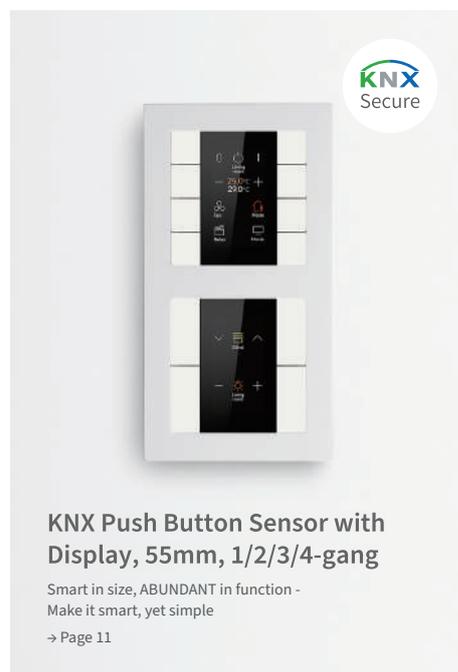
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## KNX WALTZ Touch+ Pad

Perfect combination of KNX touch panel & push button

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## KNX Push Button Sensor with Display, 55mm, 1/2/3/4-gang

Smart in size, ABUNDANT in function -  
Make it smart, yet simple

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# Company Profile

## GVS Since 1999

The success story of the GVS Group began in 1999 with the production of high-quality CRT and TFT displays. Initially founded as a CRT manufacturer, GVS has since become a leading provider of smart building products and services. As a market leader, the company serves 50% of the global market and focuses its innovative strength on smart building solutions, video intercom systems, and smart Wi-Fi thermostats.

Thanks to its core expertise in display and building technology, GVS has also developed high-quality door communication systems. In 2008, GVS became the first company in China to join the KNX organization and now has an annual production capacity of 10 million KNX devices. In addition to innovative KNX solutions, GVS offers a wide range of products for building automation. Its latest development, the Android-based KNX touch panel Z10, also serves as an apartment station for GVS IP door intercom systems, combining smart control with elegant design.



With an experienced team in design, research & development, production, and sales, GVS is now one of the leading providers of intelligent building solutions. As the first domestic board member of KNX CHINA, GVS will continue to drive innovation in the future – true to its motto: "To make life smart and smart simple."

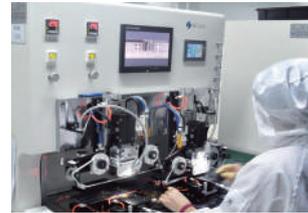
## GVS - Milestones

1999	2008	2011	2013	2015
GVS is founded.	GVS became the first Chinese KNX member in China.	First KNX Training Center in China was established by GVS.	Establishment of GVS Deutschland GmbH & Co. KG as the European Operation Center, headquartered in the Rhineland.	GVS became the FIRST native council member of KNX China.

## First-Class GVS Service

It's not just our innovative products that impress our customers. Our consistently friendly and highly competent service—whether by phone or on-site—is unmatched and sets new standards. As a KNX training center, GVS offers not only KNX-certified courses but also engaging product training sessions for its partners.

For any technical questions, our well-trained specialists are always available to assist you.



## Pioneer in Video Intercom Technology

As early as 1999, GVS began producing audio intercom systems. Later, by integrating display modules, intelligent video door communication systems were developed, ranging from analog 2-wire systems to fully integrated IP solutions within the KNX ecosystem.

GVS has never stopped evolving and improving. With a market share of 50%, GVS is one of the world's largest suppliers of display modules.

**2018**



GVS becomes the first member of the National Council of KNX China.

**2019**



GVS entered the smart thermostat market by acquiring Vine Connected Corp.

**2023**



GVS successfully being listed in Beijing Stock Exchange.

**2024**



As a pioneering KNX member, GVS has the most certified KNX Secure products in China & the 6th worldwide.

**2025**



GVS is appointed as the rotating president of the KNX China National Group.

# Product Series

## KNX Home & Building Control System

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KNX CERTIFICATE

**KNX ASSOCIATION CVBA**

Constituted as the European Installation Bus Association cvba (EIBA) by the act passed on the 8th May 1990, in front of Notary Hans BERQUIN, Brussels and published in the Official Journal on the 1st June 1990.



Renamed KNX Association cvba in accordance with the relevant decisions taken at the Extraordinary General Assembly, held on the 22nd December 2005, in front of Notary Martine ROBBERECHTS of Zaventem and published in the Official Journal on the 16th March 2006.

Registered office: De Kleetlaan 5, B-1831 Diegem

**Certificate of Membership**

The association certifies that  
GVS Smart Co., Ltd  
is a member of KNX Association until 01/06/2025

Joost Demarest, CTO  
KNX Association

Brussels, date  
10/09/2024



Smart home and building solutions.  
Global. Secure. Connected.



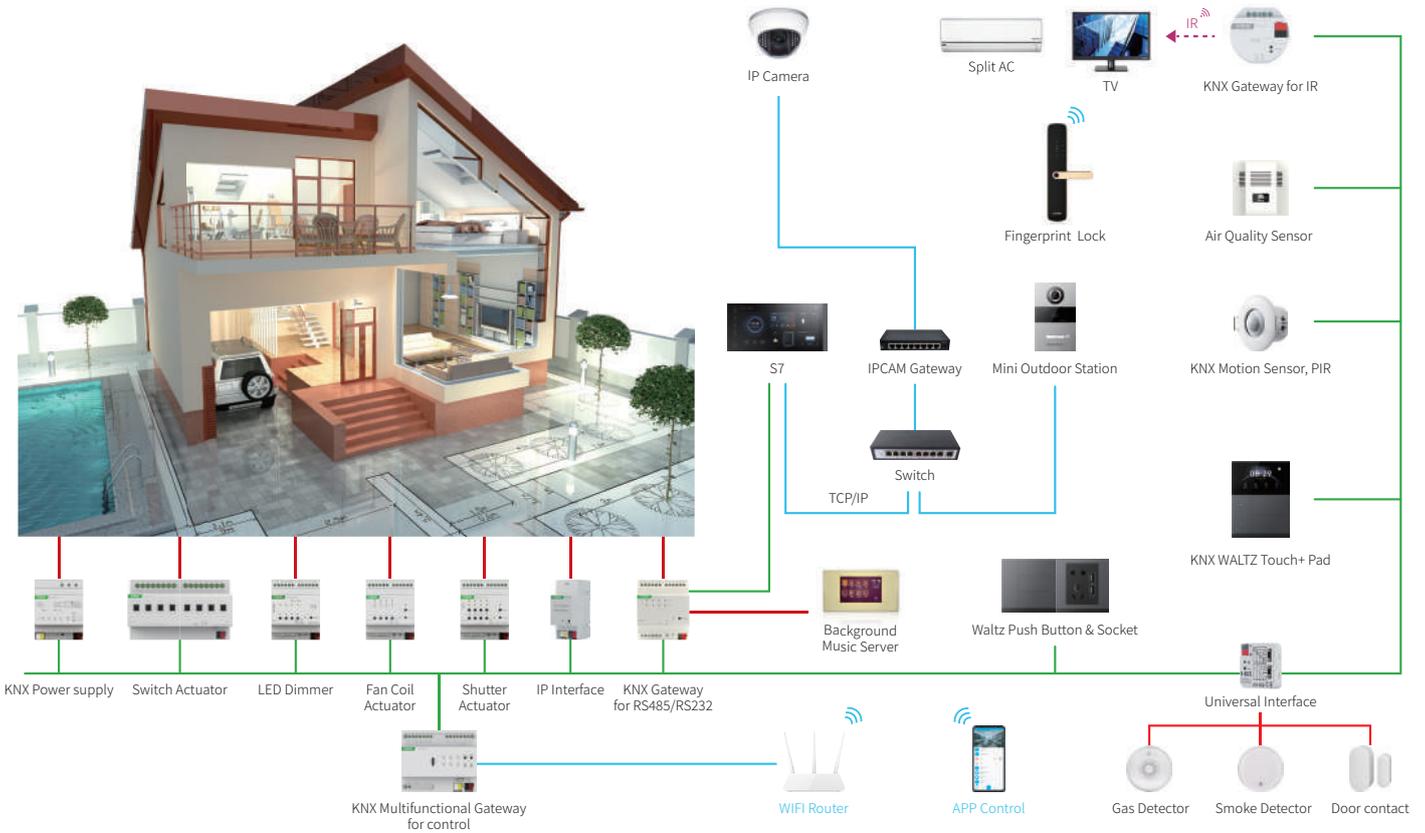
Join us  
[www.knx.org](http://www.knx.org)

Please verify authenticity of this certificate via consulting the KNX Web pages.

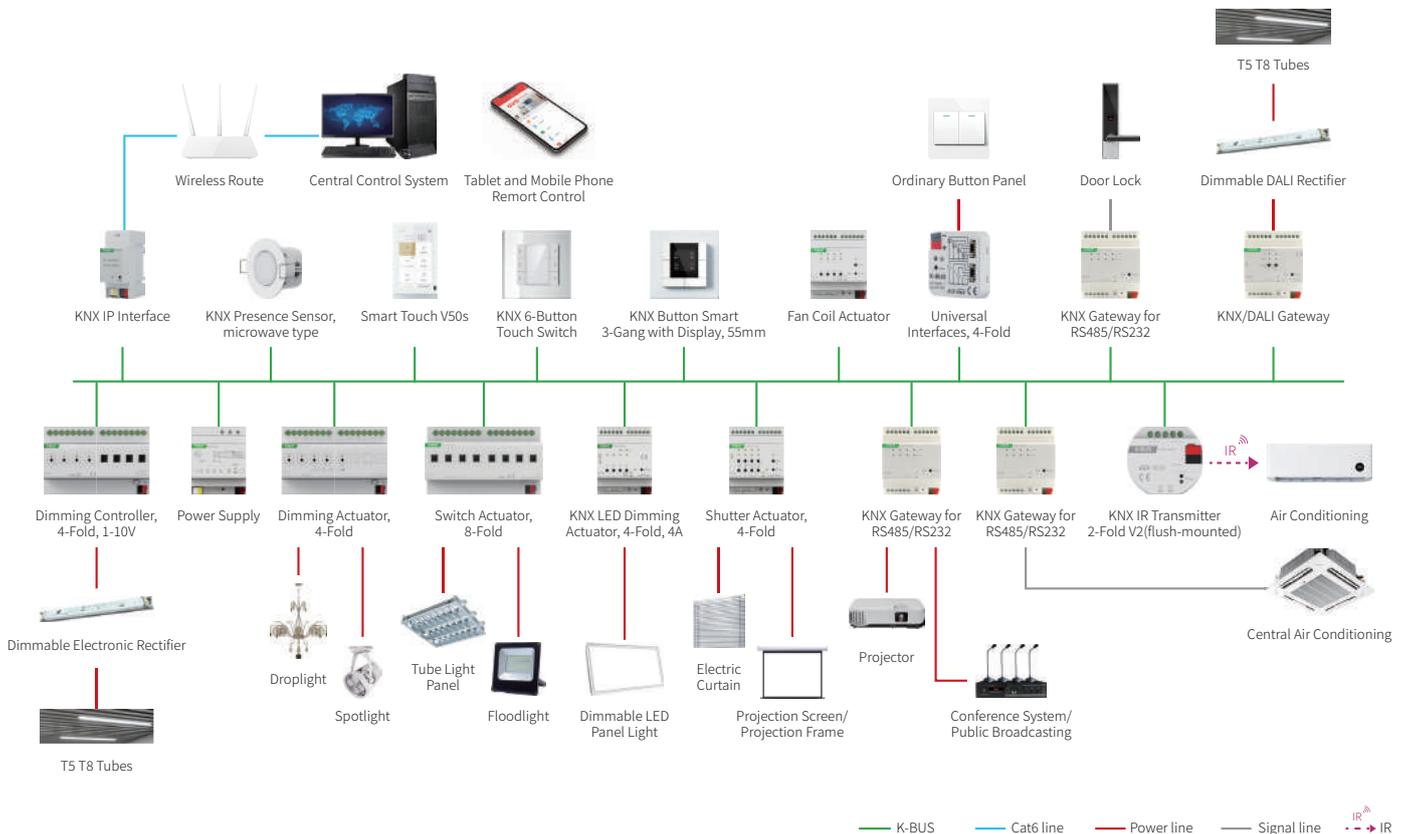
GVS - The Pioneer of KNX Secure

# KNX Home & Building Control System

## KNX residential solutions

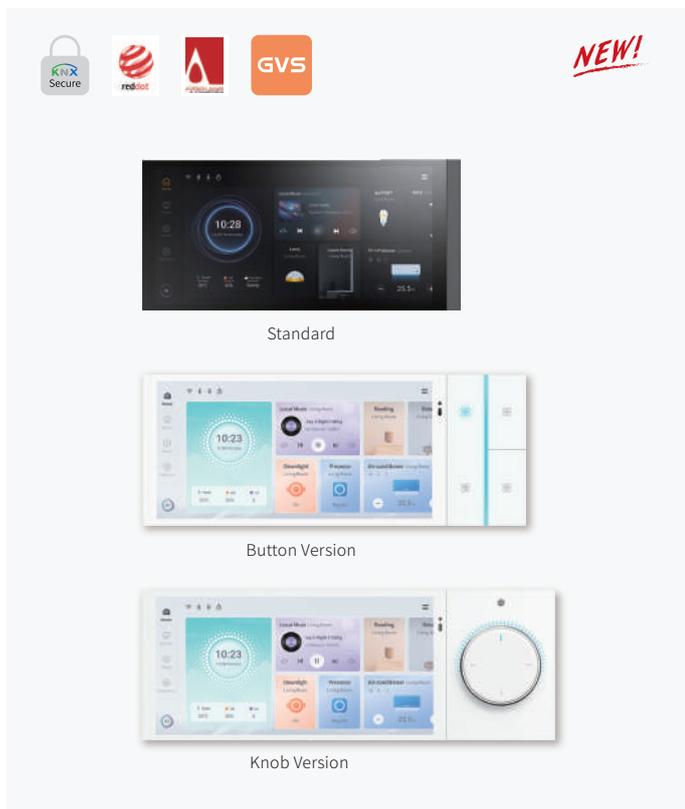


## KNX Smart Office Solution



— K-BUS — Cat6 line — Power line — Signal line — IR

# KNX Home & Building Control System



## KNX Smart Touch S7 (KNX Secure)

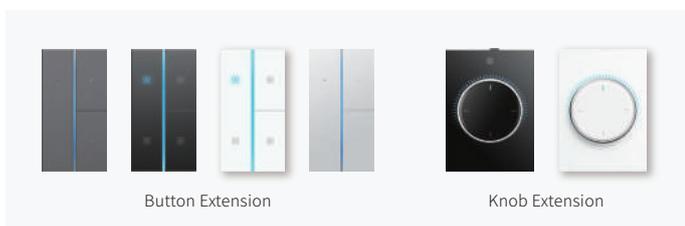
CHTI-7.0/120.1.22    CHTI-7.0/120.1.23

Button: CHKA-04/S7.1.2x, CHKA-04/S7.1.1x

Knob: CHRBC-04/S7.1.1x, CHRBC-04/S7.1.1x

### Function:

- 6.9 inch color IPS capacitive touch screen, resolution 1440\*720
- Homepage support for function customization and building plan view programming
- 120 KNX channels, with basic control functions including switch, dimming, blinds, value sending, color temperature, color control(RGB, RGBW, RGBCW), room temperature control, air conditioner, ventilation system control, air quality and energy metering display, etc
- Support 16 weekly timer, 8 scene group functions, 8 logic functions
- 30 KNX scene functions
- Built-in temperature and humidity sensor, proximity sensor
- Support SIP intercom and cloud intercom, and APP control
- Support security monitoring and surveillance recording with access to IP CAM
- Support voice message function, call transfer function
- Support defense zone setup for arm and disarm functions
- Support OTA upgrade
- Support sub-panel extension button or knob
- Support KNX Secure
- Can add devices from cloud for central control on S7
- Support Sonos audio control
- Support Google Assistant, Alexa voice control



## KNX Smart Touch S3 (KNX Secure)

CHTF-3.3/3.2.10    CHTF-3.3/3.2.11    CHTF-3.3/3.1.01

### Function:

- 3.3-inch color IPS capacitive touch screen, resolution 480\*320
- The structure and appearance feature a plastic frame and a surface with a multi-touch panel and 3 physical buttons to control devices/scenes
- Supports SIP video intercom function and KNX smart home function
- Supports bluetooth environmental sensors connection
- Supports remote control and customizing scenes via mobile phone
- Built-in temperature, humidity and proximity sensor
- Automatically adjusts screen and button indicators brightness
- Support KNX Secure
- Support IP connection for APP control, no cloud intercom

# KNX Home & Building Control System



## KNX Smart Touch Z13 (KNX Secure)

CHTI-13.3/120.2.23

### Function:

- 13.3" colored IPS touch screen, 1920\*1080 resolution
- Full KNX functions with list-view, room-view or map-view, full SIP intercom functions
- Support IP connection for APP control, cloud intercom
- 16 timing, 8 group event, 8 logic, HCL, 24 alarm functions
- 120 KNX channels of including switch, dimming, shutter, scene control, value sending, RGB, RGBW, RGBCW, Color Temp. control, HVAC, AC, floor heating, ventilation, audio control(support song info), energy metering, air quality display etc
- Aesthetic design with aluminum faceplate
- Built-in temperature, humidity
- Support security monitoring and surveillance recording with access to IP CAM
- Support voice message function, call transfer functions
- Support KNX secure and OTA update
- Fits in 86\*86mm, 80\*80mm, German double-60mm wall boxes



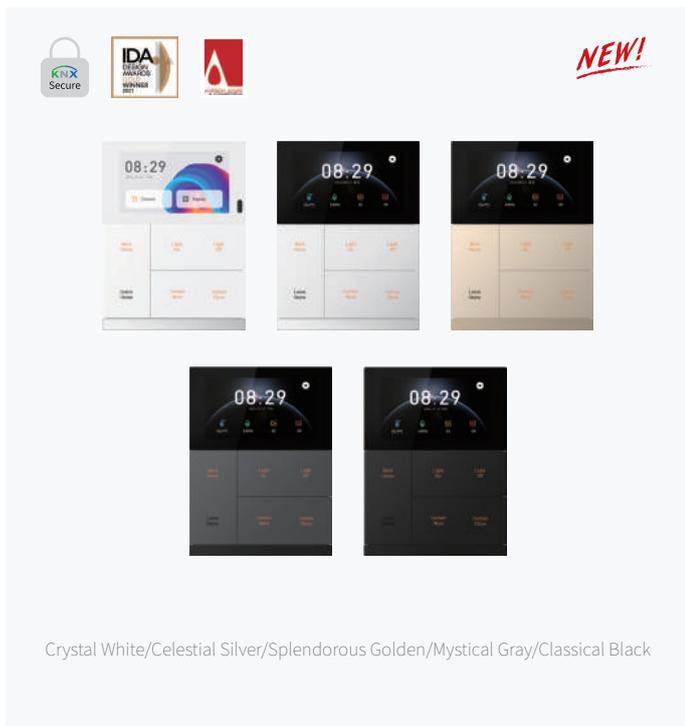
## KNX Smart Touch Z10 (KNX Secure)

CHTI-10.1/120.2.23

### Function:

- 10.1" colored IPS touch screen, 1280\*800 resolution
- Full KNX functions with list-view, room-view or map-view, full SIP intercom functions
- Support IP connection for APP control, cloud intercom
- 16 timing, 8 group event, 8 logic, HCL, 24 alarm functions
- 120 KNX channels of including switch, dimming, shutter, scene control, value sending, RGB, RGBW, RGBCW, Color Temp. control, HVAC, AC, floor heating, ventilation, audio control(support song info), energy metering, air quality display etc
- Aesthetic design with aluminum faceplate
- Colored breathing light adjustable for color and brightness
- Built-in temperature, humidity
- Support security monitoring and surveillance recording with access to IP CAM
- Support voice message function, call transfer functions
- Support KNX secure and OTA update
- Fits in 86\*86mm, 80\*80mm, German double-60mm wall boxes

# KNX Home & Building Control System



## KNX Waltz Touch+ Pad (KNX Secure)

Plastic: CHTFB-3.0/6.S.00(White)  
 CHTFB-3.0/6.S.01(Black)  
 CHTFB-3.0/6.S.02(Silver)  
 CHTFB-3.0/6.S.03(Gray)  
 CHTFB-3.0/6.S.04(Gold)

Metal: CHTFB-3.0/6.S.20(White)  
 CHTFB-3.0/6.S.21(Black)  
 CHTFB-3.0/6.S.22(Silver)  
 CHTFB-3.0/6.S.23(Gray)  
 CHTFB-3.0/6.S.24(Gold)

### Function:

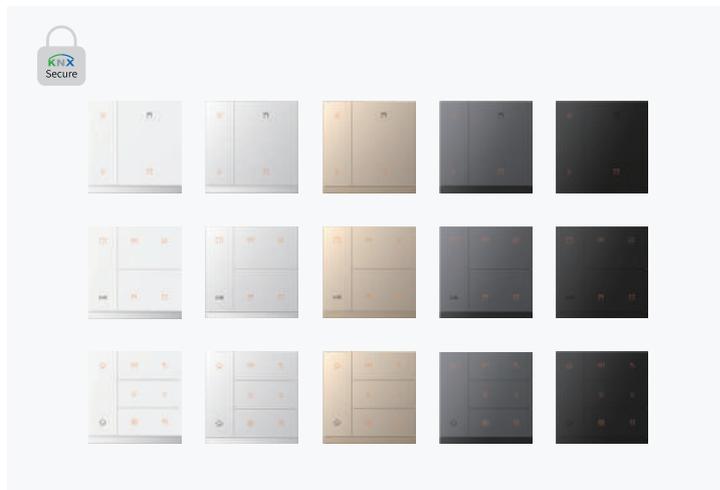
- Elegant design mixed with IPS capacitive touch panel & mechanical button
- Aluminum frame and replaceable buttons(plastic/aluminum)
- Synchronized animation effects on display when buttons pressed
- Push Buttons adjustable for 1 or 2 button operation
- Built-in temperature sensor, RGB status LED indication
- Adjustable for button push length, NO or NC contact operation
- Short/long operation for KNX functions of lighting, scene control, shutter etc
- Supporting ring included for installation, integrated bus coupling unit
- 3 years' warranty, 5 classic colors available
- Support KNX Secure

## KNX Waltz Push Button Sensor (KNX Secure)

Metal: CHPB-04/02.S.2x(2-Gang)  
 CHPB-06/02.S.2x(3-Gang)  
 CHPB-08/02.S.2x(4-Gang)  
 x=0, White; x=1, Black; x=2, Silver; x=3, Gray; x=4, Gold

### Function:

- Latest elegant KNX push buttons for WALTZ Series
- Push Buttons adjustable for 1 or 2 button operation
- Aluminum frame and replacable aluminum button
- Built-in temperature sensor, with LED indication
- Adjustable for button push length, NO or NC contact operation
- Short/long operation for KNX functions of lighting, scene control, shutter etc
- Supporting ring included for installation, integrated bus coupling unit
- 3 years' warranty, 5 classic colors available
- Support KNX Secure



## Waltz Electrical Socket & Accessories (For 86\*86mm wall-box ONLY)



Socket  
 CHSU-04/10.1.01



Network Socket  
 CHTN-02/00.1.01



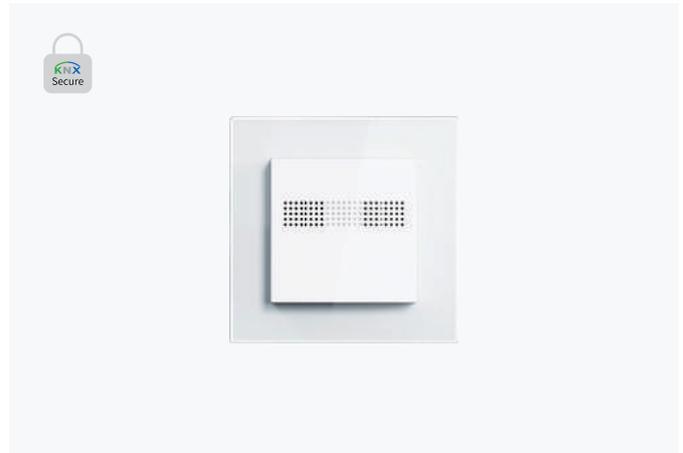
Emergency Button  
 CHEK-01/00.1.01

## KNX CO<sub>2</sub>/Temp/Humidity Sensor, 55mm (KNX Secure)

CHAQ-03/55.2.00

### Function:

- 100% fits 55mm systems:
  - GIRA Standard 55, E2, E22, Esprit
  - Jung Aplus, Acreation, A500, AS50
  - MERTEN 1M, M-Pure, M-Smart
  - BERKER B3, B7, S1
- Built-in CO<sub>2</sub> & temperature & humidity sensor
- 2 external inputs of dry contact or NTC temperature detection
- Support control modes: heating/cooling, with 2/4-pipe system
- HVAC operation modes: comfort, standby, economy, protection
- Temperature logic algorithm supports 2-point and PI control
- Air quality level function: humidity control(4 levels), CO<sub>2</sub> level output(4 levels)
- Air quality controller: humidity control(step), CO<sub>2</sub> level output(step & PI)
- Support alarm function
- Support KNX Secure



## KNX Push Button Sensor with Display, 55mm, 1/2/3/4-gang

CHPBD-06/55.1.0y, CHPBD-08/55.1.0y, CHKAM-0x/55.1.0y Matt, CHKAG-0x/55.1.0y Glossy  
(x=2, 1-gang;x=4, 2-gang;x=6, 3-gang;x=8, 4-gang)  
(y=0, White;y=1, Black)

### Function:

- Individual/linked button functions for all kinds of typical KNX functions
- 1.9" LCD Display with 1/2/3/4 gang push buttons, easy label customization
- Room temperature controller, support heating, cooling mode and HVAC mode
- Advanced functions of panel lock, screen saver, alarm, logic, scene group, slap function
- Built-in temperature, humidity and proximity sensors and 2 folds input (Binary/NTC Temp.sensor)

## KNX Push Button Sensor with LCD, 55mm (KNX Secure)

CHPBL-03/00.1.00 CHPBL-03/00.2.00 CHPBL-03/00.2.01

### Function:

- 100% fits 55mm systems:
  - GIRA Standard 55, E2, E22, Esprit
  - Jung Aplus, Acreation, A500, AS50
  - MERTEN 1M, M-Pure, M-Smart
  - BERKER B3, B7, S1
- Support KNX Secure
- LCD Display, resolution 240\*240
- Built-in temperature & humidity sensor, 2-fold input interfaces
- Option 1: Push Button(3 pages, 4 icons/page) for all KNX functions
- Option 2: Thermostatic pages, AC(FCU, VRF), floor heating and ventilation
- Option 3: Background music pages: author/album/song display



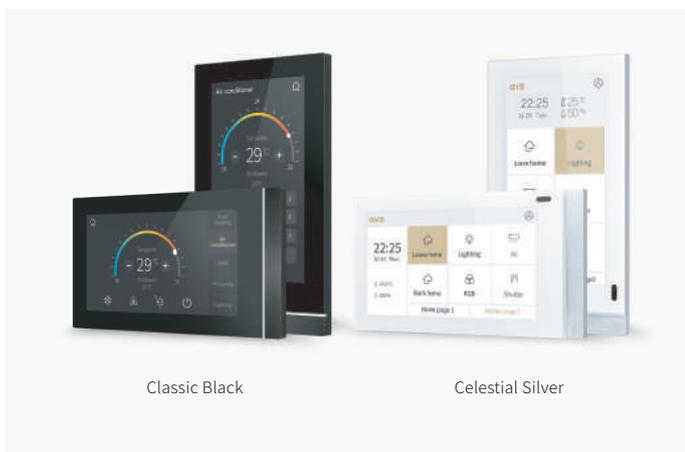
## KNX Thermostat Lite, 55mm (KNX Secure)

CHTL-02/00.2.00

### Function:

- Built-in temperature and humidity sensor
- Control modes: heating/cooling, with 2/4-pipe system
- HVAC operation modes: comfort, standby, economy, protection
- Temperature logic algorithm supports 2-point and PI control
- Support 2 external inputs of dry contact or NTC temperature detection
- Support KNX Secure

# KNX Home & Building Control System

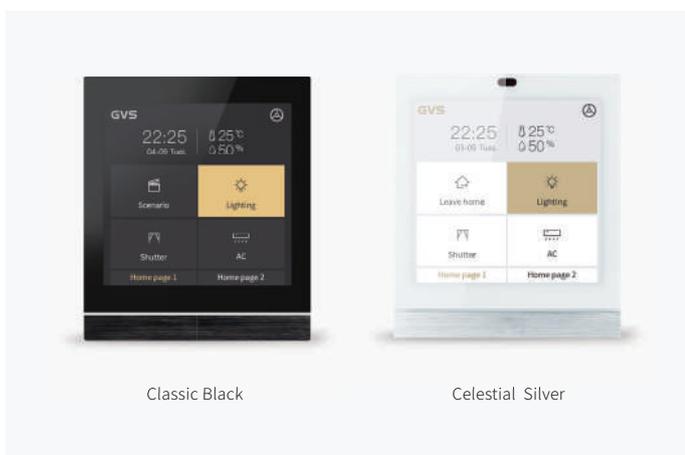


## KNX Smart Touch V50s

CHTF-5.0/15.5.21    CHTF-5.0/15.5.22

### Function:

- Standard KNX Touch Panel with database & certificate
- 5" colored capacitive IPS touch screen, resolution 480\*854
- Up to 2 home pages and 15 function pages can be configured
- 16 time functions, 8 event group functions, 8 logic functions
- Password protection and customized screensaver
- Support switching, dimming, shutter control, HVAC control etc
- Built-in temperature and proximity sensor
- Available with two colors silver & black, two types vertical & horizontal
- Supporting ring included for installation, perfectly fits 60mm/86mm wallbox and US wallbox



## KNX Smart Touch V40s

CHTF-4.0/9.5.21    CHTF-4.0/9.5.22

### Function:

- Standard KNX Touch Panel with database & certificate
- 4" colored capacitive IPS touch screen, resolution 480\*480
- Support 9 function pages
- 16 time functions, 8 event group functions, 8 logic functions
- Password protection and customized screensaver
- Support switching, dimming, shutter control, HVAC control etc.
- Built-in temperature and proximity sensor
- Available with two colors silver & black
- Supporting ring included for installation which fits 60mm/86mm wallbox



## KNX Multifunctional Gateway

BTAI-06/05.1

### Function:

- APP Server for GVS Smart APP
- 6 folds RS485 interface for connecting with RS485 input
- 5 folds dry contact input
- 1 fold LAN port for integrating with TCP/IP devices
- 1 fold WAN port for cloud and local communication
- Configured by "GVS Smart Assistant" app
- Support Sonos audio control
- Support Google Assistant, Alexa voice control

# KNX Home & Building Control System

## GVS Touch Screen Selection Table

	Z13 SIP	Z10 SIP	S7	S3	V50s	V40s	WALTZ
							
Screen Size	13.3"	10.1"	6.9"	3.3"	5"	4"	2.8"
Resolution	1.920×1.080 px	1.280×800 px	1.440×720 px	480×320 px	480×854 px	480×480 px	854×480 px
Operation System	Android	Android	Android	Linux	Linux	Linux	Linux
Cloud Intercom	√	√	√	×	×	×	×
SIP Intercom	√	√	√	√	×	×	×
APP Server	Coming	√	√	√	×	×	×
Temp. Sensor	√	√	√	√	√	√	√
Humidity Sensor	√	√	√	√	×	×	√
Proximity Sensor	√	√	√	√	√	√	√
Thermostatic Control	√	√	√	√	√	√	√
KNX Channels/Page	120	120	120	6 pages / 6 icons per page	15 pages / 8 icons per page	9 pages / 8 icons per page	6 pages / 6 icons per page
Dimension(mm)	213×317×51,7	186,2×240×40	180×86×36	86×86×35,6	148,8×86×32,5	86×101,3×32,2	115×86×34,7
Wall Box	86mm / German double-60mm	86mm / German double-60mm	86 mm / 60 mm	86 mm / 60 mm	86mm / 60mm / Swiss / Australian / US	86 mm / 60 mm	86 mm / 60 mm
KNX Secure	√	√	√	√	×	×	√

# KNX Home & Building Control System



## KNX Presence Sensor, Microwave (KNX Secure)

CSBPM-04/00.1.00, CSBPM-04/00.1.01, CSBPM-04/00.2.01

### Function:

- Detections of normal movement, tiny movement and static presence, with 24GHz millimetres wave technology
- Internal brightness sensor (Full Black Not Support), and control the light via brightness threshold and also control logically with motion signal
- Sensitivity is configurable and can be adjusted by day/night
- Internal temperature and humidity sensors
- Constant lighting control
- RTC controller functions
- Logic functions and scene group functions
- Support KNX Secure



## KNX Motion Sensor, PIR (KNX Secure)

CSBP-04/00.1.00, CSBP-04/00.1.01, CSBP-04/00.2.01

### Function:

- Detection of movement, with ordinary pyroelectric infrared technology
- Internal brightness sensor (Full Black Not Support), and control the light via brightness threshold and also control logically with motion signal
- Internal temperature and humidity sensors
- Constant lighting control
- RTC controller functions
- Logic functions and scene group functions
- Support KNX Secure
- Support both ceiling and wall-box mounting

# KNX Home & Building Control System



## KNX/DALI-2 Gateway, 1/2-Fold (KNX Secure)

BTDG-01/64.2 BTDG-02/64.2

### Function:

- DALI telegram broadcast function
- Fault detection of lamps and ballasts of DALI devices
- For each fold, Max.64 DALI devices can be controlled, including switch, dimming, brightness, color and color temperature control
- Support multiple DALI-2 device types, such as DT6, DT8 colour control type including RGB Colour, RGBW Colour, XY Colour, Colour Temperature
- Support group control. 16 different groups for each channel by DCA APP
- Support scene control. 16 different DALI scenes for each channel by DCA APP
- Support operation mode: normal mode, normal/night mode, staircase mode, permanent mode, burn in mode
- 8 behaviour templates for group
- Send or response various status, such as switch, brightness, operation hours etc
- Monitoring DALI bus voltage, DALI bus current and DALI bus short circuit status
- Support the KNX Data Secure

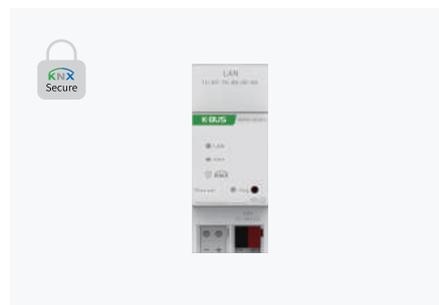


## KNX Line Coupler

BNLC-00/00.3

### Function:

- As a KNX line coupler, it connects main line to backbone line, or line to main line
- As a KNX line repeater, it extends the length of bus line and the number of KNX devices

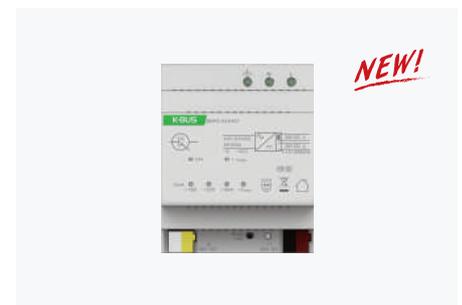


## KNX IP Router (KNX Secure)

BNIPR-00/00.S

### Function:

- Support 4 client connections
- Support KNXnet/IP, ARP, ICMP, IGMP, HTTP, UPnP, UDP/IP, TCP/IP, DHCP and Auto IP
- Can be used as line/backbone coupler to couple ethernet and KNX-TP lines
- Support filter table routing function
- Can be used as the programming interface
- Support KNX Secure



## KNX Power Supply, 640mA

BBPS-02/640.1

### Function:

- Input voltage: 100V ~240 Vac, 47~63Hz
- Sustained short-circuit current: < 1.4 A
- Rated current: 640mA, short-circuit-proof
- 1-fold KNX output
- 1-fold Auxiliary voltage output
- Output status display
- Reset the KNX output
- Over temperature protection
- Current consumption level indication

# KNX Home & Building Control System



## KNX Universal Dimming Actuator 1/2/4-Fold (KNX Secure)

ADUD-01/02.3 ADUD-02/02.3 ADUD-04/02.3

### Function:

- Max. load 300W, leading/trailing edge phase dimming control
- Un rated voltage 110~230V AC, 50-60Hz
- Relative & absolute dimming, status response, scene control(16 folds), staircase lighting function, flashing switch, delay switch, safety function
- 8 logic function
- Dimming curve adjustment(6 options + 1 Customization) in ETS
- Manual operation and Output indication function
- Operating hours counter function
- High compatibility: Leading & Trailing edge, wide range of Lighting types & brands
- High flexibility: 6 dimming curves & can be customized in different brightness range
- High reliability: driving components modular design, hardware detection & protection mechanism
- Advanced functions: Additional startup, Reset behaviour, Max. 16 Scenes, operating hours counting, logic, forced and safety operation etc
- Support KNX Secure



## KNX Universal Dimming Actuator 1-Fold, Flush Mounted (KNX Secure)

ADUDF-01/01.1

### Function:

- Max. load 200W, leading/trailing edge phase dimming control
- Un rated voltage 230V AC, 50/60Hz
- Relative & absolute dimming, status response, scene control(16 folds), staircase lightingfunction, flashing switch, delay switch, safety function
- 8 logic function
- Dimming curve adjustment(6 options + 1 Customization) in ETS
- Dry contact: 4 fold input + 4-fold input/LED output, LED indicator(5V/12V, Max. 4mA, Common Anode)
- High compatibility: Leading & Trailing edge, wide range of Lighting types & brands
- High flexibility: 6 dimming curves & can be customized in different brightness range
- High reliability: driving components modular design, hardware detection & protection mechanism
- Advanced functions: Additional startup, Reset behaviour, Max. 16 Scenes, operating hours counting, logic, forced and safety operation etc
- Support KNX Secure



# M

**MAIN**

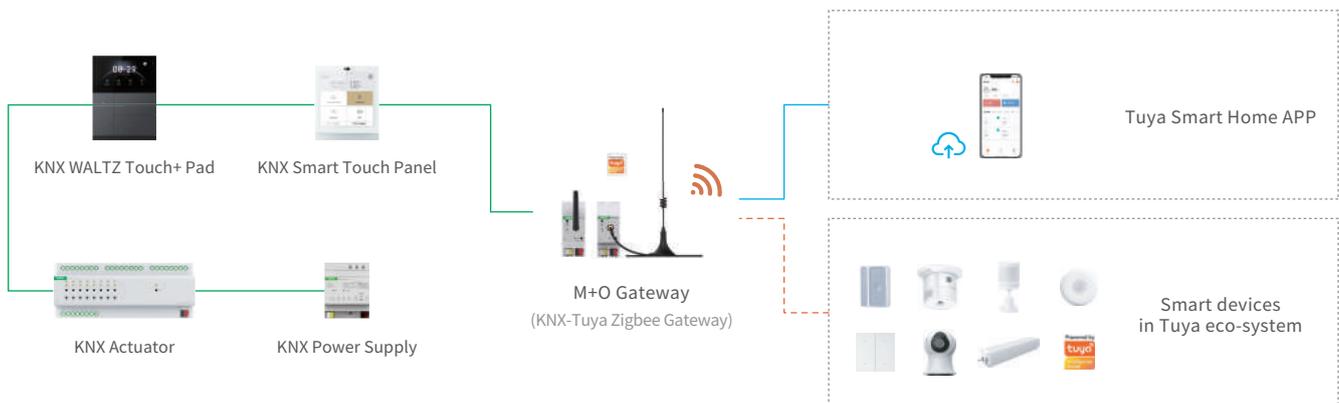
STABLE | OPEN | COMPATIBLE

**ZigBee 3.0**

# O

**OPTIONAL**

EXTENDABLE | FLEXIBLE | DIY-FRIENDLY



## KNX Gateway for Tuya ZigBee, Premium

BTMO-TY/00.3 BTMO-TY/00.4 (Zigbee ↔ KNX)

### Function:

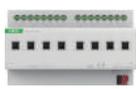
KNX/Tuya-Zigbee3.0 Gateway is an innovative device which coupling KNX and Tuya Zigbee system. By easy programming, you can realize controlling KNX devices from Tuya APP, and uploading status information of KNX devices to Tuya platform, hence monitor and manage the devices conveniently. Supports bidirectional communication & control between KNX and Tuya/Zigbee.

- Work as a Tuya/Zigbee Gateway to connect to Tuya Cloud and add Tuya device.
- Upload KNX devices to Tuya platform to control and display status.
- Support KNX functions: switching, dimming, curtain, scene, AC control, background music, air quality and energy metering display etc.
- Logic functions.
- Support bidirectional communication between Zigbee and KNX device.



# Productlist

Picture	Name / Model	Installation / Dimension	Function
<b>NEW!</b> 	<b>KNX Smart Touch Z13 (KNX Secure)</b> CHTI-13.3/120.2.23	317×213×12.5mm	13.3" colored IPS touch screen, 1920*1080 resolution Support IP connection for APP control (coming soon), cloud intercom 16 timing, 8 group event, 8 logic, HCL, 24 alarm functions 120 KNX channels of including switch, dimming, shutter, scene control, value sending, RGB, RGBW, RGBCW, Color Temp. control, HVAC, AC, floor heating, ventilation, audio control (support song info), energy metering, air quality display etc. Support security monitoring and surveillance recording with access to IP CAM Support KNX secure and OTA update
<b>NEW!</b> 	<b>KNX Smart Touch Z10 (KNX Secure)</b> CHTI-10.1/120.2.23	240×186.8×8mm	10.1" colored IPS touch screen, 1280*800 resolution Support IP connection for APP control, cloud intercom 16 timing, 8 group event, 8 logic, HCL, 24 alarm functions 120 KNX channels of including switch, dimming, shutter, scene control, value sending, RGB, RGBW, RGBCW, Color Temp. control, HVAC, AC, floor heating, ventilation, audio control (support song info), energy metering, air quality display etc. Support security monitoring and surveillance recording with access to IP CAM Support KNX secure and OTA update
<b>NEW!</b> 	<b>KNX Smart Touch S7 (KNX Secure)</b> CHTI-7.0/120.1.22(White) CHTI-7.0/120.1.23(Gray)	180×86×11.8mm	6.9 inch color IPS capacitive touch screen, resolution 1440*720 Homepage support for function customization and building plan view programming 120 KNX functions, 30 KNX scene functions, with full KNX controls of switching, dimming, scene, shutter, AC, audio and air quality and energy metering display etc. Supports 16 Weekly timer, 8 scene group functions, 8 logic functions, HCL, Alarm Function Support sub-panel extension button or knob Support SIP video intercom, built-in APP server for APP control, cloud intercom Support the KNX Secure Support central control by synchronizing the devices from the cloud Support Sonos voice control & Google Assistance & Alexa voice control
<b>NEW!</b> 	<b>KNX Smart Touch S3 (KNX Secure)</b> CHTF-3.3/3.2.10(White) CHTF-3.3/3.2.11(Black) CHTF-3.3/3.1.01(Gray)	86×86×10.4mm	3.3-inch color IPS capacitive touch screen, resolution 480*320 The structure and appearance feature a plastic frame and a surface with a multi-touch panel and 3 physical buttons to control devices/scenes. Supports SIP video intercom function Supports bluetooth environmental sensors connection Supports remote control and customizing scenes via mobile phone Built-in temperature and humidity sensor, proximity sensor Automatically adjusts screen and button indicators brightness Support the KNX Secure Support IP connection for APP control, no cloud intercom
	<b>KNX Smart Touch V50s</b> CHTF-5.0/15.5.21(Black) CHTF-5.0/15.5.22(White)	86×148.8×32.5mm 148.8×86×32.5mm	Standard KNX device with database & certificate 5" color capacitive IPS touch screen, resolution 480*854 16 time functions, 8 event group functions, 8 logic functions Password protection and customized screensaver Support switching, dimming, shutter control, HVAC control and other main KNX functions, built-in temperature proximity sensor. Supporting ring included for installation, fits 60mm/86mm wallbox
	<b>KNX Smart Touch V40s</b> CHTF-4.0/9.5.21(Black) CHTF-4.0/9.5.22(White)	86×101.3×32.2mm	Standard KNX Touch Panel with database & certificate 4" color capacitive IPS touch screen, resolution 480*480 16 time functions, 8 event group functions, 8 logic functions Password protection and customized screensaver Support switching, dimming, shutter control, HVAC control and other main KNX functions, built-in temperature humidity, proximity sensor. Supporting ring included for installation, perfectly fits 60mm/86mm wallbox
<b>NEW!</b> 	<b>KNX Waltz Touch+ Pad (KNX Secure)</b> Plastic: CHTFB-3.0/6.S.00(White) CHTFB-3.0/6.S.01(Black) CHTFB-3.0/6.S.02(Silver) CHTFB-3.0/6.S.03(Gray) CHTFB-3.0/6.S.04(Gold) Metal: CHTFB-3.0/6.S.20(White) CHTFB-3.0/6.S.21(Black) CHTFB-3.0/6.S.22(Silver) CHTFB-3.0/6.S.23(Gray) CHTFB-3.0/6.S.24(Gold)	86×115×34.7mm	IPS capacitive touch panel & mechanical button, resolution 854*480 Aluminum frame and replaceable buttons(plastic/aluminum) Push Buttons adjustable for 1 or 2 button operation Built-in temperature sensor, RGB status LED indication Adjustable for button push length, NO or NC contact operation Short/long operation for KNX functions of lighting, scene control, shutter etc 3 years' warranty, 5 classic colors available Support KNX Secure
<b>NEW!</b> 	<b>KNX Waltz Push Button Sensor (KNX Secure)</b> CHPB-04/02.S.2x(2-Gang) CHPB-06/02.S.2x(3-Gang) CHPB-08/02.S.2x(4-Gang) x=0, White; x=1, Black; x=2, Silver; x=3, Gray; x=4, Gold	86×86×33mm	Latest elegant KNX push buttons for WALTZ Series Push Buttons adjustable for 1 or 2 button operation Aluminum frame and replacable aluminum button Built-in temperature sensor, with LED indication Adjustable for button push length, NO or NC contact operation Short/long operation for KNX functions of lighting, scene control, shutter etc Supporting ring included for installation, integrated bus coupling unit 3 years' warranty, 5 classic colors available Support KNX Secure

Picture	Name / Model	Installation / Dimension	Function
	<b>KNX Touch Button Slim, 2/4/6-Button</b> CHTB-02/01.2.2x, CHTB-04/01.2.2x CHTB-06/01.2.2x(x=0, 2, 4)	86×86×8.9mm	Switching and dimming Control of blinds and shutters Sending of values, e.g. water line, brightness Recall and storage scene Bi-LED indication Glass touch control
	<b>KNX CO<sub>2</sub>/Temp/Humidity Sensor, 55mm (KNX Secure)</b> CHAQ-03/55.2.00	70.8×70.8×19.3mm	Built-in CO <sub>2</sub> & temperature & humidity sensor 2 external inputs of dry contact or NTC temperature detection Support control modes: heating/colling, with 2/4-pipe system HVAC operation modes: comfort, standby, economy, protection Temperature logic algorithm supports 2-point and PI control Air quality level function: humidity control(4 levels), CO <sub>2</sub> level output(4 levels) Air quality controller: humidity control(step), CO <sub>2</sub> level output(step & PI) Support alarm function Support KNX Secure
	<b>KNX Push Button Sensor with LCD, 55mm (KNX Secure)</b> White shiny: CHPBL-03/00.1.00 White matt: CHPBL-03/00.2.00 Black matt: CHPBL-03/00.2.01	55.3×55.3×19.3mm	LCD Display, resolution 240*240 Built-in temperature & humidity sensor, 2-fold input interfaces Option 1: Push Button(3 pages, 4 object/p) for all KNX functions Option 2: Thermostatic pages, AC(FCU, VRF), floor heating and ventilation Option 3: Background music pages: author/album/song display Support KNX Secure
	<b>KNX Thermostat Lite, 55mm (KNX Secure)</b> CHTL-02/00.2.00	55.3×55.3×19.3mm	Built-in temperature and humidity sensor Control modes: heating/cooling, with 2/4-pipe system HVAC operation modes: comfort, standby, economy, protection Temperature logic algorithm supports 2-point and PI control Support 2 external inputs of dry contact or NTC temperature detection Support the KNX Secure
<b>NEW!</b> 	<b>KNX Push Button Sensor with Display, 55mm, 1/2/3/4-gang</b> CHPBD-06/55.1.0y, CHPBD-08/55.1.0y CHKAM-0x/55.1.0y Matt, CHKAG-0x/55.1.0y Glossy (x=2,1-gang;x=4,2-gang;x=6,3-gang;x=8,4-gang) (y=0,White;y=1,Black)	55.4×55.4×20.8mm	Individual/linked button functions for all kinds of typical KNX functions 1.9" LCD Display with 1/2/3/4 gang push buttons, easy label customization Room temperature controller, support heating, cooling mode and HVAC mode Advanced functions of panel lock, screen saver, alarm, logic, scene group, slap function Built-in temperature, humidity and proximity sensors and 2 folds input (Binary/NTC Temp.sensor)
	<b>KNX Switch Actuator 4/8/12-Fold, 16A/20A (KNX Secure)</b> (16A) (16A Current Mn) (20A) ARSA-04/16.S ARCD-04/16.S ARSA-04/20.S ARSA-08/16.S ARCD-08/16.S ARSA-08/20.S ARSA-12/16.S ARCD-12/16.S ARSA-12/20.S	DIN rail 72×90×64mm 144×90×64mm 216×90×64mm	Manual switch operation, switch status response Reaction after bus voltage failure and recovery Scene and preset control Logic operation with AND, OR, XOR, gate function Forced operation and safety function, threshold and time function NORMAL version and CURRENT MEASUREMENT version for option Support KNX Secure
<b>NEW!</b> 	<b>KNX Multifunctional Actuator 3-Fold, 6A, Flush Mounted (KNX Secure)</b> AMMAF-03/06.S	Flush Mounted 53×48.3×23.5mm	Switch output Curtain output Valve control Dry input detection Fan control Heating control Drive LED indicator Support KNX Secure
	<b>KNX Multifunctional Actuator 4/8/16/24-Fold (KNX Secure)</b> AMMA-04/06.S, AMMA-08/10.S AMMA-16/10.S, AMMA-24/10.S	DIN rail 36×90×64mm 72×90×64mm 216×90×64mm	Multifunctional actuator with flexibility, one actuator for all functions Max. 24 folds of switching output for lighting, socket etc Max. 12 folds of AC/dry contact shutter/blinds control Max. 6 folds of DC shutter/blinds control Max. 6 folds 3-level fan speed control 2/4-pipe valve system of both 3-point type and ON/OFF type Support KNX Secure
	<b>KNX Shutter Actuator 4-Fold</b> AWBS-04/06.2	DIN rail 72×90×64.1mm	Movement UP/DOWN Stop/Louver adjustment Move to position 0...100% Scenes Automatic sun protection Block Forced operation LED display Move into preset position(up to 2 preset positions) Set preset position(modification of the preset position during operation) Adjustment louver to position 0...100%(only Blind working mode) Monitoring of wind, rain and frost protect(cyclical) Status reply of the current position, status reply of the current operating mode Two operation mode: Venetian Blind and Shutter
	<b>KNX Fan Coil Actuator with 0-10V</b> AFVFT-07/10.1	DIN rail 72×90×64mm	Support 2/4 pipes HVAC system Support 2 wire or 0-10V valve type Support 2-point control or PI control methods for local Support relay/0-10V drive fan, 3-level fan speed Standby/comfort/night/protect mode Channels can be reused as switch output Manual operation and LED indication Support 3-wire PT1000 sensor

# Productlist

Picture	Name / Model	Installation / Dimension	Function
<b>NEW!</b> 	<b>KNX Heating Actuator with Traic 6-Fold (KNX Secure)</b> AFHT-06/05.1	DIN-rail Mounted 72×90×64mm	Supports 24V AC or 230V AC thermal drive. 6 independent valve outputs, Max 300mA/channel 6 channels of room temperature controller: support heating/cooling mode, integrating 2-point and PI control algorithm, with 5 scenes functions Support KNX Secure Not support fan speed control
	<b>KNX Room Controller Smart</b> AMRS-41/05.3	DIN rail 216×90×64mm	Dry contact and binary inputs LED indications Switch/shutter outputs Triac dimming Fan coil output 0-10V dimming Logic, Time and Scene group functions Support KNXnet/IP tunneling/routing
<b>NEW!</b> 	<b>KNX Universal Dimming Actuator 1-Fold, Flush Mounted (KNX Secure)</b> ADUDF-01/01.1	DIN rail 53×53×23.5mm	Max. load 200W, leading/trailing edge phase dimming control Un rated voltage 230V AC, 50/60Hz Relative & absolute dimming, status response, scene control(16 folds), staircase lighting function, flashing switch, delay switch, safety function 8 logic function Dimming curve adjustment(6 options+1 Customization) in ETS Dry contact: 4 fold input + 4-fold input/ LED output, LED indicator(5V/12V, Max. 4mA, Common Anode) Support KNX Secure
<b>NEW!</b> 	<b>KNX Universal Dimming Actuator, 1/2/4-Fold (KNX Secure)</b> ADUD-01/02.3 ADUD-02/02.3 ADUD-04/02.3	DIN rail 36×90×64mm 72×90×64mm 144×90×64mm	Max. load 300W, leading/trailing edge phase dimming control Un rated voltage 110~230V AC, 50-60Hz Relative & absolute dimming, status response, scene control(16 folds), staircase lighting function, flashing switch, delay switch, safety function. 8 logic function Dimming curve adjustment(6 options+1 Customization) in ETS Manual operation and Output indication function Operating hours counter function Support KNX Secure
	<b>KNX LED Dimming Actuator, 4-Fold, 4A</b> ADLD-04/03.1	DIN rail 72×90×64mm	Switching Relative and absolute dimming Status report, error report Scene and preset function Staircase lighting function Preset a Brightness value after bus voltage recovery Constant voltage drive mode Manual operation and status indication
	<b>KNX 1-10V Dimming Actuator 4-Fold, 16A (KNX Secure)</b> ADTV-04/16.S	DIN rail 144×90×64mm	Switching Relative and absolute dimming Status report, error report Scene and preset function Passive DC 0/1-10V drive mode Staircase lighting function Preset a Brightness value after bus voltage recovery Manual operation and status indication Support KNX Secure
	<b>KNX Air Quality Sensor</b> CSAQI-06/00.1.00 CSAQI-06/00.1.01	86×86×48.3mm	PM2.5, PM10, VOC, AQI, CO <sub>2</sub> detection and display Temp, humidity detection and display Warning for value detection Heating or cooling control output Built-in ventilation controller Logic control functions VOC, CO <sub>2</sub> , alarm output AQI, Humidity level alarm output
<b>NEW!</b> 	<b>KNX Presence Sensor, Microwave (KNX Secure)</b> CSBPM-04/00.1.00 CSBPM-04/00.1.01 CSBPM-04/00.2.01	Ceiling-Mounted φ65×38mm	Detections of normal movement, tiny movement and static presence, with 24GHz millimetres wave technology Sensitivity is configurable and can be adjusted by day/night Internal temperature and humidity sensors Constant lighting control RTC controller functions Logic functions and scene group functions Internal brightness sensor (Full black color not support) Support KNX Secure
<b>NEW!</b> 	<b>KNX Motion Sensor, PIR (KNX Secure)</b> CSBP-04/00.1.00 CSBP-04/00.1.01 CSBP-04/00.2.01	Ceiling-Mounted Wall-mounted φ70×51.5mm (Round) 86×86×51.5mm (Square)	Detection of movement, with ordinary pyroelectric infrared technology Internal brightness sensor, and control the light via brightness threshold and also control logically with motion signal Internal temperature and humidity sensors Constant lighting control RTC controller functions Logic functions and scene group functions Support KNX Secure Support both ceiling and wall-box mounting Internal brightness sensor (Full black color not support)

Picture	Name / Model	Installation / Dimension	Function	
<b>NEW!</b> 	<b>KNX Dual Presence Sensor, PIR &amp; Ultrasonic</b> CSBPU-04/00.1.00	Wall-mounted φ111.5×67mm	Built-in brightness sensor With PIR & Ultrasonic detection technology Multiple way of trigger: PIR&UT, PIR or UT, PIR only, Ultrasonic only Support Master/slave work mode, central-off, presence simulation function Four channels can be used as Constant lighting Control, Twilight Switch, HVAC control	
<b>NEW!</b> 	<b>KNX GPS Weather Station</b> CSWS-04/00.1.00	Surface-mounted 113×101×225mm	Built-in GPS receiver, Temperature sensor, Rain sensor, Brightness sensor(3pcs), Wind sensor(3) to detect wind speed only, Shading(8 facade). 3 Calendar time switch(2 witch each day), 1 weekly time switch(each day 4 switch control), Night recognition, Dawn detection, Logic(6 AND, 6 OR).	
<b>NEW!</b> 	<b>KNX GPS Weather Station Pro</b> CSWSP-07/00.1.00	Surface-mounted 260×145×300mm	Built-in GPS receiver(able to calculate sun position), Temperature sensor, Rain sensor(4), Brightness sensor(5pcs), Humidity sensor. Wind sensor(4 threshold) to detect wind speed & wind direction, Shading(12 facade), 4 Calendar time switch(2 witch each day), 24 weekly time switch(each day1 switch control). Pressure detection, Night recognition, Twilight detection, Logic(8 AND, 8 OR), Computer(8). Summer compensation, Frost Alarm, Dew Point Measurement, Comfort field.	
	<b>KNX Gateway for IR, Ceiling</b> BTIRC-01/00.2	Ceiling-Mounted 91×82×76mm	360 degree full direction transmitting Support multi-emitting and delayed-emitting Installation height is max.4m, the transmitting distance is max.3m(radius) Support Universal IR control, up to 30 IR code Support Air-condition control, up to 266 IR codes	
	<b>KNX Gateway for IR, 2-Fold, Flush mounted</b> BTIRF-02/00.2	80/60mm wall box φ53×23.5mm	2 channels, flush mounted Support multi-emitting and delayed-emitting The transmitting distance is max.2m Support Universal IR control, up to 30 IR code Support Air-condition control, up to 266 IR codes Supports current detection, up to 10A	
	<b>KNX IR Learner</b> BTIRL-01/00.2	18×20×77mm	Capability of learning over 95% remote control units in the market USB to communicate with PC, easy to learn and store IR codes from remote	
	<b>KNX Universal Interface, 4-Fold</b> KI/U 0401.1	46×46×11.7mm	Switching and dimming Control of blinds and shutters Sending of values, e.g. water line, brightness Recall and storage scene	Switching sequence Counter Multiple operation LED indication output
<b>NEW!</b> 	<b>KNX Universal Interface with NTC Input, 4-Fold (KNX Secure)</b> CTUIF-06/04.1	46×46×11.7mm	4-fold input & 4-fold input/LED output 5 dry contact input, 5V/12V DC LED output 2-fold NTC Input(10K Temp. sensor) 2-fold room temperature control Switching and dimming, RGB/RGBW	Blind and shutter control Scene control and value sending Shift register, multiple operation, delay mode Group event, Logic functions
	<b>KNX Binary Input for Floating Contact, 4/8/16-Fold</b> CTBIF-04/00.1 CTBIF-08/00.1 CTBIF-16/00.1	DIN rail 36×90×64mm 72×90×64mm	Switching and dimming Shutter function Value sending Recall and storage scene Shift register function	RGB and RGBW dimming Multiple operation Delay mode logic functions Event Group function
	<b>KNX Binary Input, 4-Fold</b> CTBI-04/00.1	DIN rail 36×90×64mm	Switching and dimming Control of blinds and shutters Sending of values, e.g. water line, brightness Recall and storage scene	Switching sequence Multiple operation LED indication Manual operation

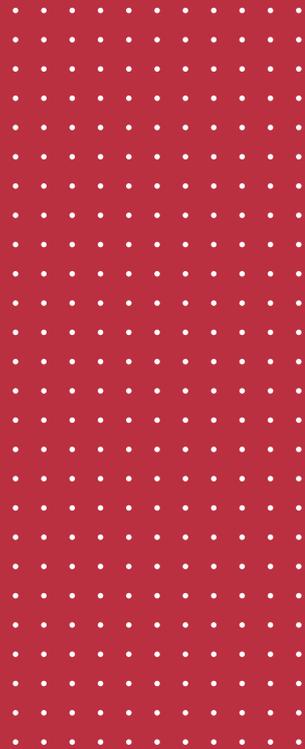
# Productlist

Picture	Name / Model	Installation / Dimension	Function
<b>NEW!</b> 	<b>KNX IP Interface (KNX Secure)</b> BNIP-00/00.S, BNIPC-00/00.S	DIN rail 36×90×64mm	Support KNX Secure Support KNX/IP Tunneling Can be used as the programming interface for other KNX devices Support UDP telegram and port number 3671 Support up to 5 KNX IP client connections Support remote programming(BNIPC-00/00.S)
	<b>KNX Gateway for RS485/RS232</b> BTPG-04/03.1	DIN rail 72×90×64mm	Support the integration of Modbus and KNX system, with master and slave mode, and up to 500 datapoints. Support data communication between RS232 and KNX system, and up to 100 datapoints Support data communication between RS485 and KNX system, and up to 100 datapoints Support the control of VRV/VRF air conditioners with Modbus RTU control protocol, such as DAIKIN, HITACHI, Mitsubishi, Fujitsu, Gree, Toshiba, etc. Support the control of DOOYA 485 curtain motor Support the control of background music system
	<b>KNX/DALI Gateway, 1/2-Fold</b> BTDG-01/64.1, BTDG-02/64.1	DIN rail 72×90×64mm	Two-channel gateway with broadcast function 64 DALI devices per channel for single device, 32 DALI group control per channel Various status feedback, e.g. switch, brightness, operation hours etc Fault detection of lamps and ballasts for DALI devices Monitoring DALI bus voltage, DALI bus current and DALI bus short circuit status
<b>NEW!</b> 	<b>KNX/DALI-2 Gateway, 1/2-Fold (KNX Secure)</b> BTDG-01/64.2, BTDG-02/64.2	DIN rail 72×90×64mm	DALI telegram broadcast function, fault detection of lamps and ballasts of DALI devices. For each fold, Max.64 DALI devices can be controlled, including switch, dimming, brightness, color and color temperature control, 16 group control, 16 scene control. Support DALI-2 device types of DT6, DT8 color control, color type including RGB color, RGBW color, XY color, Color temperature. Support DCA APP in ETS, 8 behaviour templates.
	<b>KNX Gateway for Tuya ZigBee, Premium</b> BTMO-TY/00.3, BTMO-TY/00.4	36×90×64mm	Work as a Tuya/Zigbee Gateway to connect to Tuya Cloud and add Tuya device Upload KNX devices to Tuya platform to control and display status Support KNX functions: switching, dimming, curtain, scene, AC control, background music, air quality and energy metering display etc. Logic functions Support bidirectional communication between Zigbee and KNX device
<b>NEW!</b> 	<b>KNX Multifunctional Gateway</b> BTAI-06/05.1	144×90×64mm	APP Server for GVS Smart APP 6 folds RS485 interface for connecting with RS485 input 5 folds dry contact input 1 fold LAN port for integrating with TCP/IP devices 1 fold WAN port for cloud and local communication Configured by "GVS Smart Assistant" app
<b>NEW!</b> 	<b>KNX IP Router (KNX Secure)</b> BNIPR-00/00.S	DIN rail 36×90×64mm	Support 4 client connections Support KNXnet/IP, ARP, ICMP, IGMP, HTTP, UPnP, UDP/IP, TCP/IP, DHCP and Auto IP Can be used as line/backbone coupler to couple ethernet and KNX-TP lines Support filter table routing function Can be used as the programming interface Support KNX Secure
<b>NEW!</b> 	<b>KNX Line Coupler</b> BNLC-00/00.3	DIN rail 36×90×64mm	As a KNX line coupler, it connects main line to backbone line, or line to main line As a KNX line repeater, it extends the length of bus line and the number of KNX devices
	<b>KNX USB Interface</b> BNTP-USB/00.1	77×20×18mm	An interface between PC and KNX bus to configure, parameterize and commission KNX bus Support long frame
<b>NEW!</b> 	<b>KNX Power Supply, 640mA</b> BBPS-02/640.1	DIN rail 72×90×64mm	Input voltage 95V-255V AC, 50/60Hz, output 1: 30V DC +1/-2V, SELV with choke; output 2: 30V DC +1/-2V, SELV without choke, total 640mA, short-circuit-protection. Current level indicator The minimum distance between 2 power supply in a line is 300meter

# Product Series

Video Intercom System

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# SIP Video Intercom

## S Series Video Intercom System

The S Series system is a complete digital intercom system based on the SIP protocol, which is an IP voice session control protocol that originally came from the internet.

The SIP video intercom system products enable the creation of various types of sessions, including audio, video, multi-channel calls, and the transmission of instant messages and files.

This system has the ability to integrate all forms of media and technologies into a unified communication platform, thereby enabling efficient management and cost reduction.

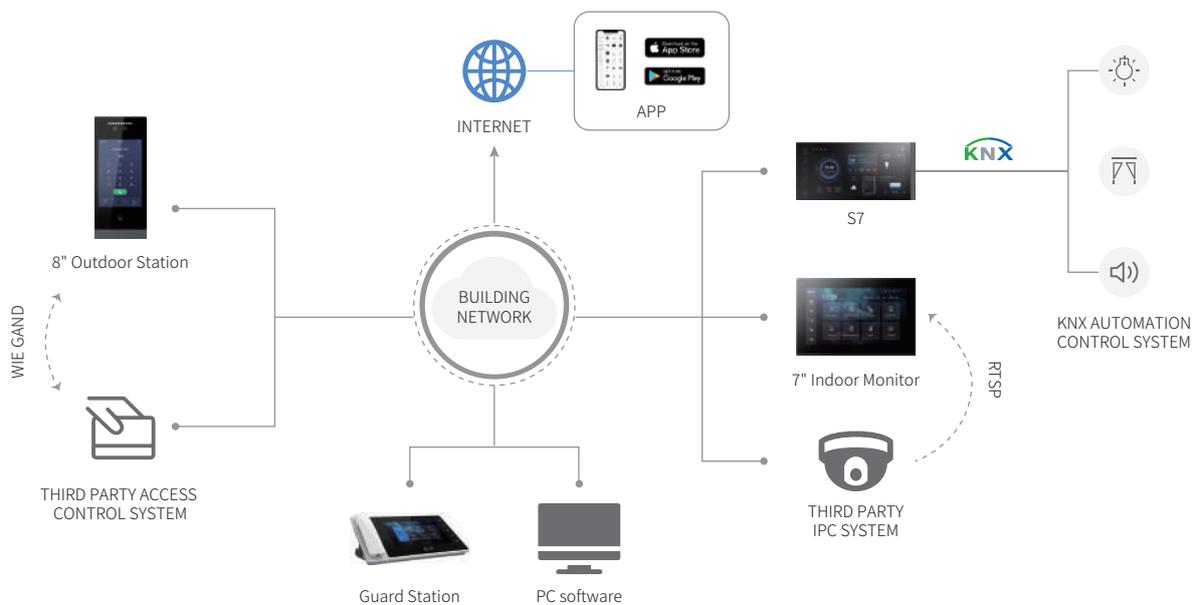


# SIP Video Intercom

Based on the SIP protocol, GVS has introduced the S-series video intercom system products, which include indoor monitors, outdoor stations, mini outdoor stations, guard units, and a mobile app that enables remote operation.

These products support both point-to-point SIP intercom and cloud intercom, utilizing the SIP server. Experience the seamless integration of SIP protocol VDP technology with GVS S-series video intercom system for advanced and secure communication.

## S Series Video Intercom Topology



### Home automation

Integration with third party home automation systems



### SIP

Call divert SIP Telephone



### IP Camera

Integration with third party IPC systems and control centre



### Access control

Integration with third party access control

# SIP Video Intercom

## 8" Outdoor Station

SO801

### Function:

- 8" IPS display with 800\*1280 resolution
- 2MP Binocular Camera
- Support 9 unlocking methods(Face/Password/App/Proximity Card etc)
- In standard environments, the outdoor station supports storing a database of up to 20000 faces ID
- The facial recognition speed is less than 25ms with an error rate of 0.1%
- The door phone offers nine unlocking methods
- Automatic configuration/server mode
- Support 2 locks management
- Support OTA online upgrades



## Mini Outdoor Station

SO001

### Function:

- 2MP HD Camera
- Offer 5 unlocking methods
- Support User card management
- Up to 20000 management card storage capacity
- Automatic configuration/DHCP mode
- Support 2 locks management
- Support OTA online upgrades
- Support door status detection, unlock state timeout alarm, normal open/close status setting
- Aluminum panel
- IP44 Waterproof



## Mini Outdoor Station (Surface Mounted)

SO004/SO005

### Function:

- 2MP HD Camera
- Equip with white fill-in light
- Support 5 unlocking methods
- Adjustable unlock time
- Support 2 door locks management
- Support normal open/close unlock output
- Support calling to indoor monitor and guard unit
- Up to store 20000 user cards
- Support online update
- Door status detection, and unlock state timeout alarm



## 10" Guard Unit

SIA01

### Function:

- 10.1" HD IPS screen with user-friendly GUI
- Support one-click emergency unlock
- Support unlocking of the building station and gate station remotely
- Support monitoring the outdoor station, gate station and IP cameras
- Support up to 255 IP cameras
- Access card management
- Alarm and SOS alerts
- Automatic configuration/server mode

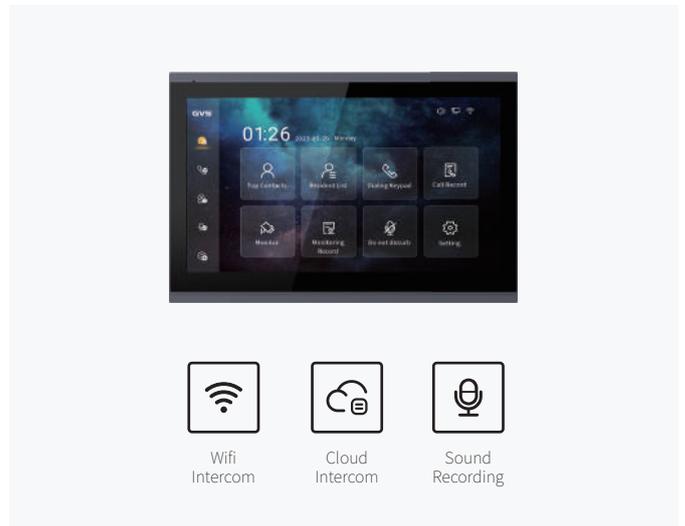


## 10" Indoor Monitor

SIA02

### Function:

- 10" HD display with 1024\*600 resolution
- Doorbell function available
- Resident list management with black/white list
- User friendly GUI
- Support cloud intercom
- Built-in RS485 interface
- IP camera integration
- Support voice message
- IP camera integration
- Support OTA online upgrades



## 7" Indoor Monitor

SI701

### Function:

- 7" HD display with 1024\*600 resolution
- Doorbell function available
- Resident list management with black/white list
- User friendly GUI
- Support cloud intercom
- Built-in RS485 interface
- Support voice message
- IP camera integration
- Support OTA online upgrades
- White case is optional



# TCP/IP Video Intercom

## IP Video Intercom System Briefing

GVS H Series system is a full digital video intercom system based on TCP/IP technology, it supports to create topology for large building easily and allows project to be equipped with high intercommunication performance.

The system supports video intercom, information broadcast, multi-channel calling, alarm, home automation, lift calling etc. Taking advantage from the IP technology, the system is with much better video intercom performance and sophisticated integration to smart home system which enables much more powerful functions for a smart space.

The system provide wide range of devices to meet requirements of all kinds of projects, with a full range of door stations, indoor monitors and accessories, a flexible and powerful intercom system can be easily set up and function well in the shortest time.

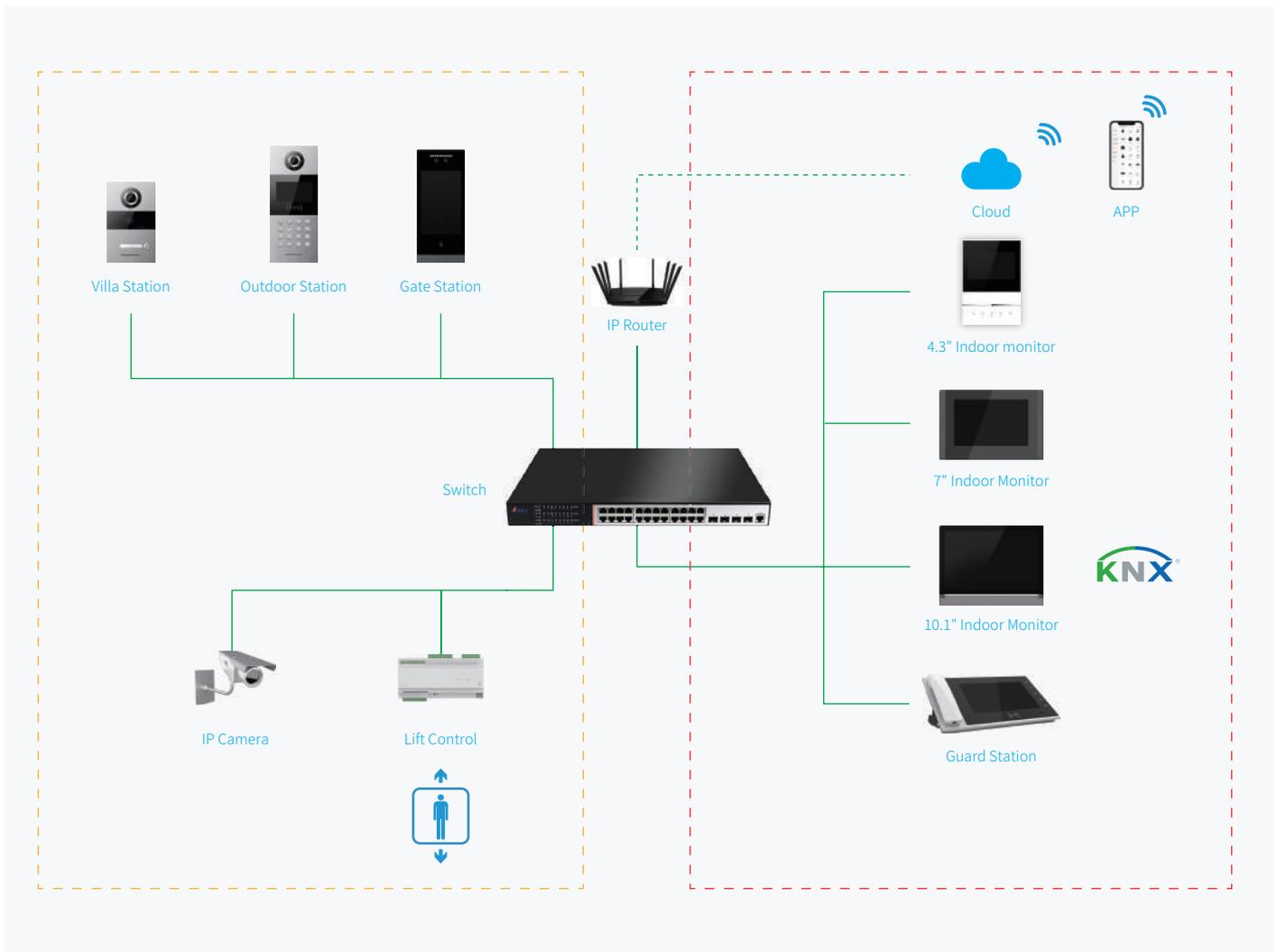


## H Series Video Intercom System

The H Series system is a full digital video intercom solution based on TCP/IP protocol. It supports digital video intercom, information broadcast, multi-channel calling, room-to-room intercom, alarm, home automation etc. The solution provides clear and fluent video intercom service and security alarm, which enhances the community security.

The system could be defined and applied to different buildings with a wide-range functions, meanwhile, supporting both 24V PoE power and 48V standard PoE also makes the system more flexible for installations of all kinds.

## H Series Video Intercom System



# TCP/IP Video Intercom

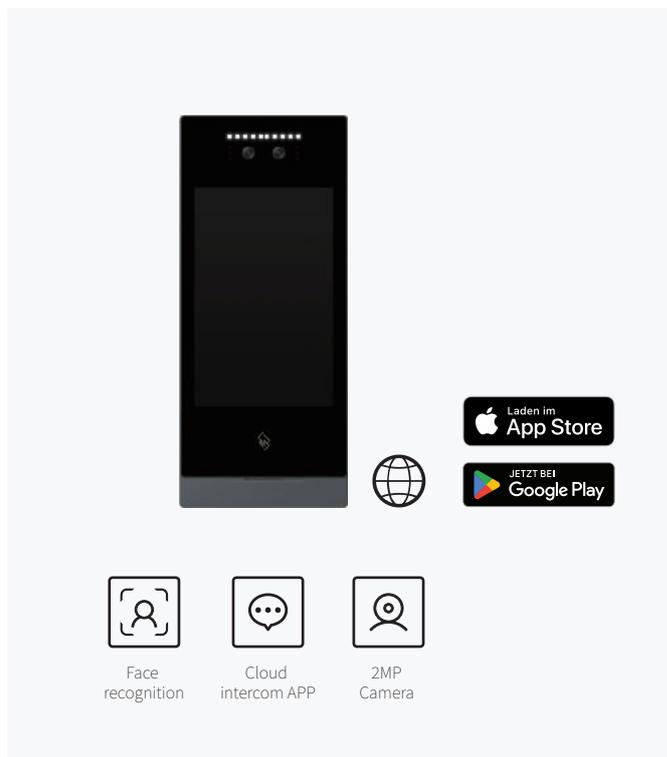
**NEW!**

## 8" Binocular Face Recognition Outdoor Station

H-OS18

### Function:

- 2MP HD camera
- Visual angle 123°
- Aesthetic design with aluminum faceplate
- 8" HD Display with sensitive touch panel
- Display resolution with 800\*1280
- High precision algorithm for face recognition with approximate detection
- Door status detection
- Multiple call methods
- Slim device with 0.5cm thickness



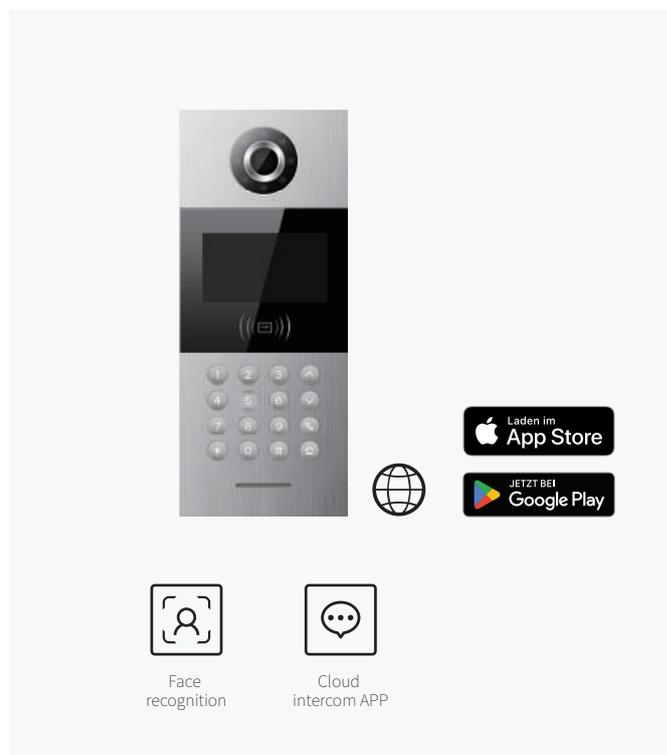
**NEW!**

## 4.3" IP Outdoor Station

H-OS09

### Function:

- 2MP HD camera
- Aesthetic design with aluminum faceplate
- Face recognition with approximate detection
- 4.3" LCD Display with sensitive touch panel
- View angle 123°
- Door status detection
- Fill-in light with high luminance LED
- Support IC Card
- Support NO/NC doorlock
- Random password unlock and QR code unlock



## Mini Outdoor Station (Surface Mounted)

H-VS07

### Function:

- 2MP HD camera
- Aesthetic design with aluminum alloy panel
- Support proximity card unlock
- Easy call to resident and security station
- Name tag with LED backlight
- Door status detection
- IK07
- IP44

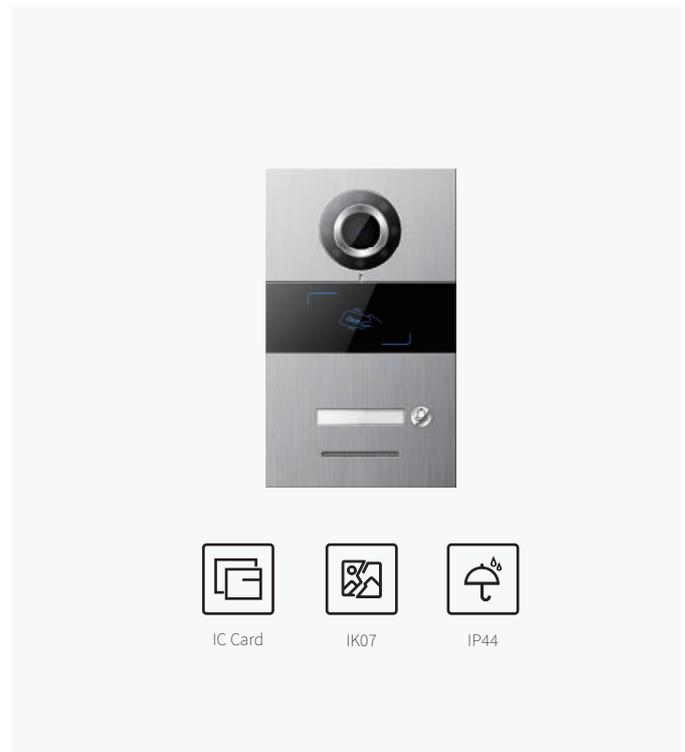


## Mini Outdoor Station (Flush Mounted)

H-VS02

### Function:

- Aluminum panel
- Working voltage: DC 24V(support POE)
- Support IC card
- Support NO/NC doorlock
- Support tamper alarm
- IP44



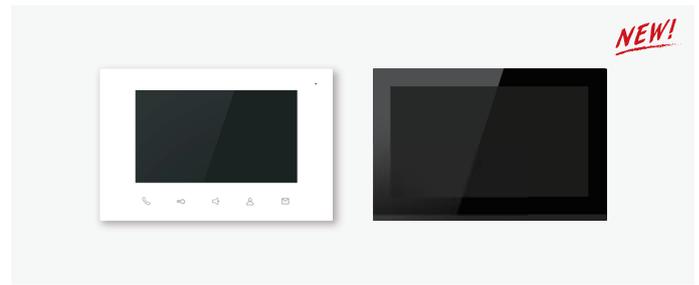
# TCP/IP Video Intercom



H-IS32/H-IS33

## 10.1" Indoor Monitor

- 10.1" glass capacitive touch screen
- Powered by 48V PoE & DC24V optional
- HD display with clear video performance
- Automatic photo capture
- Support room to room intercom
- Support call diverting
- Easy GUI customization
- Home automation & Elevator Linkage



H-IS07/H-IS34

## 7" Indoor Monitor

- Powered by PoE switch and DC24V optional
- 7" capacitive touch with advanced GUI
- Automatic photo capture
- Support room to room intercom
- Alarm settings with 8 defense zones
- Save up to 6 CCTV cameras in one monitor
- Home automation connection & Elevator linkage



H-IS02

## 4.3" Indoor Monitor

- Powered by PoE switch or DC 24V
- Protocol: Standard TCP/IP
- 4.3" TFT with advanced display effect
- Automatic photo capture
- Support intercom function
- Sensitive touch key, cost-effective version



H-IS14

## Audio Phone

- SOS Alarm
- Support multiple telephone
- Intercom between apartment & Guard Unit
- Ringtone/talking volume adjustable



H-CG01

## IP Camera Gateway

- Support ONVIF IP camera
- Support up to 255 CCTV cameras
- Support 5 users' surveillance at the same time



H-LC02

## Lift Control Module

- Working Voltage: DC 24V (support POE)
- RS485 output



H-LC03

## Lift Control Module (Dry Contact)

- Powered by DC 24V & 48V PoE
- Support TCP/IP LAN port in PoE
- Relay Interface with 16 fold relays max
- Transmitting Distance: 100M(Max)



H-CR02

## Access Control Card Reader

- Max 10000 resident IC/ID card
- Powered by 24V PoE switch and DC 24V optional
- Adjustable unlock duration
- Door status detection



H-IS16

### 7" Indoor Monitor

- Working voltage: optional 24V/48V POE
- 7" capacitive touch with advanced GUI
- Automatic photo capture
- Support room to room intercom
- Alarm settings with 8 defense zones
- Save up to 6 CCTV cameras in one monitor
- Support KNX home automation connection



A-IS03

### 10" Smart Indoor Unit (KNX)

- Smart touch panel for both KNX and video intercom
- Aesthetic design with aluminum faceplate
- 10.1 inch colored IPS touch screen, 1280\*800 resolution
- Support both map-view and list-view of all KNX functions
- Support optional 48V POE power & auxiliary 24V power
- Automatic photo capture
- Support NO/NC doorlock
- Support call diverting



H-OS06

### 7" IP Outdoor Station

- 2MP HD camera
- Aesthetic design with aluminum faceplate
- Face recognition with approximate detection
- 7" LCD Display with sensitive touch panel
- View angle 123°
- Door status detection
- Fill-in light with high luminance LED
- Support IC Card
- Support NO/NC doorlock
- Support standard 48V POE
- Random password unlock and QR code unlock
- Cloud intercom



H-GU02

### 10" Guard Unit

- Support max. 255 IP cameras
- Card management function
- Alarm and SOS alert
- Support ONE-KEY(all) door opening

## 2-Wire Video Intercom

GVS T Series 2-wire video intercom system is an analogue system that helps to create convenient video intercom system between visitors and residents. The 2-wire connection, as one of the easiest way for intercom system, allows the system to be installed in small to medium building of all types with a limit of 128 apartments in one system, new or old.

The system supports both the conventional video intercom and the cloud video intercom(certain models) by Tuya app.



System capability:

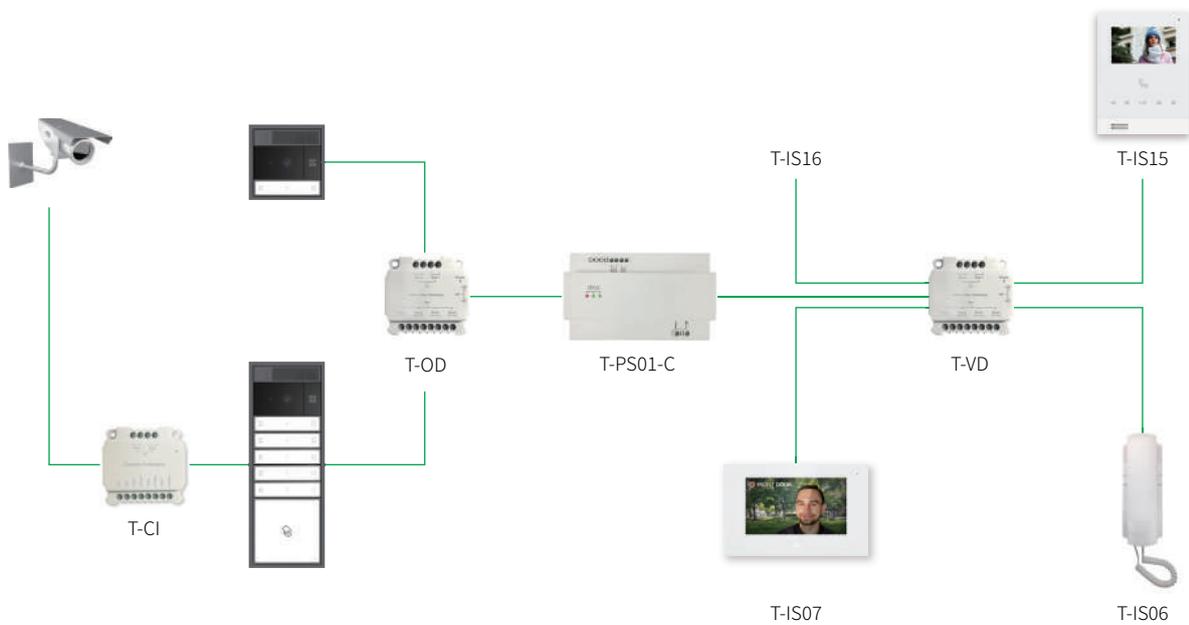
-  Up to 128 indoor monitors
-  Up to 3 outdoor stations
-  Up to 160 meters

## Typical 2-wire Topology

### Daisy-chain Connection:



### Star Connection:



# 2-Wire Video Intercom

## 7" Touch Outdoor Station

T-OS02E/T-OS14E

### Function:

- 7" capacitive touch screen design
- Aesthetic design with Aluminium panel
- Support analogue camera surveillance by built-in interface
- Flexible GUI customization
- IC Card unlock
- Main page can be configured as keypad or name list type



## 2.8" Keypad Outdoor Station

T-OS07

### Function:

- Classic Aluminium panel
- Support analogue camera surveillance by built-in interface
- Support Name list
- IC Card unlock



T-OS01/T-OS03/T-OS04



T-OS16/T-OS17

## Mini Outdoor Station

- IC card reader
- Support unlock button
- Name tag with LED backlight
- IPX4 waterproof
- Flush mounted installation

## Mini Outdoor Station

- IC card reader
- Name tag with LED backlight
- 2 locks management
- Adjustable call volume and unlock duration
- Surface mounted installation
- IP44 IK07

# 2-Wire Video Intercom



## Modular Outdoor Stations

- Module assembling design
- Aluminum panel
- 2M pixels camera
- 130° view angle
- Voice prompt
- 2 Locks control
- Flexible rocker(1 button/pair)
- Big nameplate with backlight
- Surface and flush mounting
- IP65 IK07 rate



**Video Controller**  
MO001-AV-T



**4/8 Push Button**  
MO001-PB



**RFID & INFO**  
MO001-IC



**Mask plate for button configuration**



T-IS15



T-IS16

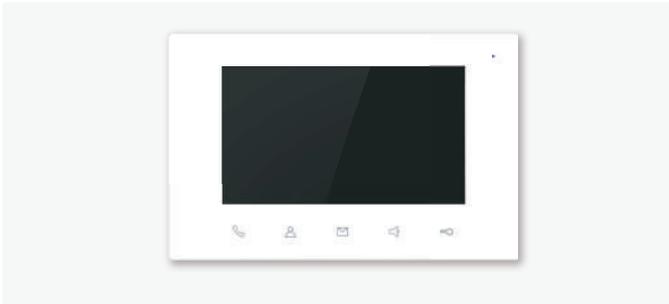
## 4.3" Indoor Monitor(Touch Key)

- Two wire indoor monitor with touch key
- Support video intercom/monitor
- 2 lock management, adjustable ringtone volume
- LED indicator
- max. 128 sets in one system
- Ultra-thin design

## 5" Indoor Monitor

- Ultra flat glass front panel and thin body design(14.5mm)
- 5" IPS HD display(800\*480)
- Touch screen and touch sensor operation
- Wi-Fi connectivity for cloud intercom with phone(Tuya and GVS cloud)
- Auto snap function
- Voice message and DND function
- 2 Locks Management
- Surface wall mounting
- Convenient FW update by OTA or local Wi-Fi

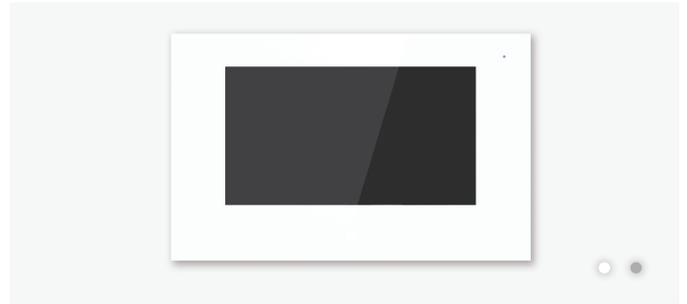
# 2-Wire Video Intercom



T-IS01

## 7" Indoor Monitor

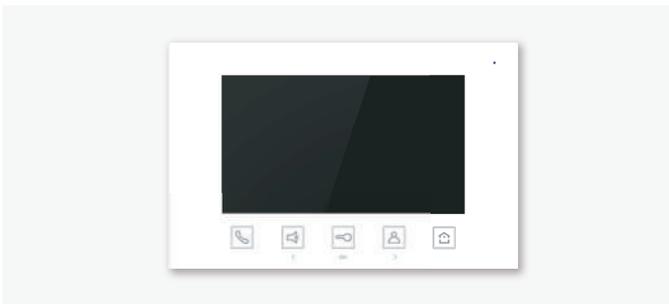
- 7" glass touch screen and sensitive touch keys
- Video intercom, monitoring and unlock
- Max.4 indoor monitors in one apartment
- Support TF card extension(2-32G)
- Support photo capture and video record
- Can be reused as guard unit when addressed as 200
- Built-in multi-languages
- Support room to room intercom



T-IS07

## 7" Indoor Monitor

- 7" full touch screen
- Video intercom, monitoring and unlock
- Max.4 indoor monitors in one apartment
- Support TF card extension(2-32G)
- Support photo capture and video record
- Can be reused as guard unit when addressed as 200
- Built-in multi-languages
- Support room to room intercom



T-IS05

## 7" Indoor Monitor Lite

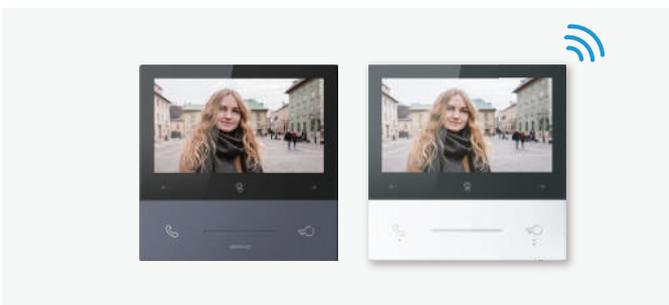
- 7" monitor with touch key with OSD
- Video intercom, monitoring and unlock
- Max.4 indoor monitors in one apartment
- Support room to room intercom
- Can be reused as guard unit when addressed as 200
- Adjustable ringtone volume



T-IS04

## 4.3" Indoor Monitor Lite

- 4.3" monitor with touch key design
- Video intercom, monitoring and unlock
- Max.4 indoor monitors in one apartment
- Can be reused as guard unit when addressed as 200
- Support room to room intercom
- Adjustable ringtone volume



T-IS10

## 7" Indoor Monitor

- 7" glass touch screen and nice touch keys
- Video intercom, monitoring and unlock
- Max.4 indoor monitors in one apartment
- Support TF card extension(2-32G)
- Support photo capture and video record
- Can be reused as guard unit when addressed as 200
- Built-in multi-languages
- Cloud Intercom HD display with resolution 1024\*600





T-VD

## Monitor Distributor

- Connects up to 4 indoor monitors
- Necessary in a star connection topology to separate 4 monitors in one apartment (details please refer to topology diagram)



T-OD

## Door Station Distributor

- Connects up to 3 outdoor stations
- Necessary when there are more than 2 door stations in one system (details please refer to topology diagram)



T-RA

## Relay Control Module

- Relay for a second door lock



T-CI

## Analogue Camera Interface

- For adding extra analogue cameras
- 1 channels available



T-Adaptor

## Name List Tool

- For configuration of the name list in 7" Touch Outdoor Station



T-PS01-C

## Power Supply

- Working voltage: AC100V~240V
- Output voltage: DC30V
- 16 indoor monitors maximum



T-PS02

## Extended Power Supply

- Working voltage: AC100V~240V
- Output voltage: DC30V
- Supports max 16 indoor monitors for signal amplification



T-PS03

## Power Supply

- Standard din-rail installation
- AC 100-240V, 50-60Hz, 600mA
- Support max 6 devices



T-IS06-W

## Audio Phone

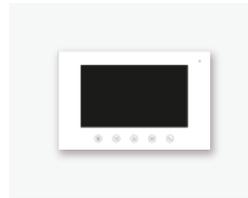
- Handset design, talk & unlock

**NEW!**

## Tuya Video Kit



2-wire intercom kit



### 7" Indoor Monitor

- 7" colored TFT display
- Touch Panel & Touch buttons
- Elegant design



### Outdoor Station

- IP44·IK07
- Easy and secured surface-mounting



### Plug



Plug & Play



Gift Package



Security Assured



Pro & Lite Version



WiFi

**NEW!**

## Way-2-Easy Kit Pro

2-wire intercom kit



### 7" Indoor Monitor

- 7" color TFT display
- Sensitive touch panel
- Photo & Video recording



### Outdoor Station

- CMOS camera 600TVL
- Aluminium alloy panel
- Proximity card reader
- 2 locks management
- IP44 IK07



### Power Supply

- Standard din-rail installation
- AC 100-240V, 50-60Hz, 600mA
- Support max 6 devices



Plug & Play



Gift Package



Security Assured



Pro & Lite Version

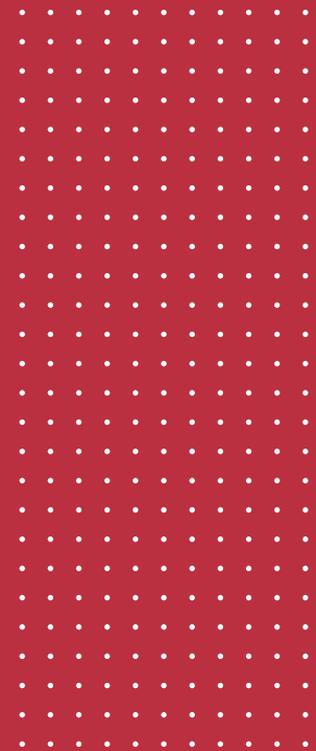
# Monitor Selection Table

	H-IS14	H-IS02	H-IS07	H-IS11	H-IS34	H-IS16	H-IS33	A-IS03	T-IS06	T-IS15	T-IS16	T-IS05	T-IS01	T-IS07	T-IS10	
Screen size	/	4.3"	7"	7"	7"	7"	10.1"	10.1"	/	4.3"	5"	7"	7"	7"	7"	
Color	white	white/black	white/black	silver/black	black	white/black	black	grey	white	white	white	white	white	white/black	white/grey	
Power supply mode	24V/48V PoE	24V/48V PoE	24V/48V PoE	24V/48V PoE	24V/48V PoE	48V POE	24V/48V PoE	24V/48V PoE	2 wire PS 30V	2 wire PS 30V	2 wire PS 30V	2 wire PS 30V	2 wire PS 30V	2 wire PS 30V	2 wire PS 30V	
Touch screen	/	/	Yes	Yes	Yes	Yes	Yes	Yes	/	/	Yes	/	Yes	Yes	Yes	
Picture memory	/	Yes	Yes	Yes	Yes	Yes	Yes	Yes	/	/	Yes	/	Yes	Yes	Yes	
Button type	Mechanical button	Touch key	Touch panel	Touch panel	Touch panel	Touch panel	Touch panel	Touch panel	Mechanical button	Touch key	Touch panel	Touch key	Touch panel	Touch panel	Touch panel	
Dimension W*H*D(mm)	79.9*209.9*52.8	123*180*20.5	220*140*17.5	200*130*14.9	182*119*15	220*140*17.5	247.5*165*17.4	186.8*240*40	79.9*209.9*52.8	134*180*14.5	134*180*14.5	220*140*24	220*140*24	220*140*24	220*140*24	179.61*179.61*25
Technology	Non-polarised Two-wire															
Number of wires	2															
Max.distance(meters)	160															
Guard unit	Yes															
Max.number of apartments	128															
Extension per apartment	4															

# Featured Project

Classic GVS project worldwide

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## Daxing International Airport

- 📍 Location : Beijing, China
- 🏗️ Project Type : Airport
- 📏 Size : Departure Lounge & Landing Field

Beijing Daxing International Airport, as one of the TOP 3 airports globally, has finished its last phase of installation in mid 2019. The airport is famous for its unique and elegant design as well as its huge capacity for passengers, it's praised as one of "The New Seven Wonders Worldwide" by British Guardian. GVS, as the leader of the smart building in China, has participated in the airport automation in its decoration phase and successfully installed thousands of KNX components in the brand new airport to enable smart lighting control, HVAC control etc. Till today, Daxing International Airport has become the biggest and most successful KNX airport project.

## Guangzhou Metro System

- 📍 Location : Guangzhou, China
- 🏗️ Project Type : Metro Station
- 📏 Size : 42 stations lighting control

GVS has won the KNX automation part in the latest THREE Guangzhou new lines: line #13, #14, #21 with 42 stations. The whole project has successfully been installed in 2018 and handedover to the civic operation office. With a huge number and extreme length, the Guangzhou Metro system now becomes the largest KNX automation system in the category of metro system worldwide. Besides, GVS is also working closely with metro/train station systems in other major cities like Shenzhen, Ji'nan, Zhangjiajie, Foshan etc.



**Hangzhou International Airport**  
Hangzhou, China



**Alibaba Headquarter,**  
Hangzhou, China



**Guangzhou Metro,**  
Guangzhou, China

# Featured Project

**Wuxi Spring Garden**  
Wuxi, China



**Qianjing Garden**  
Shanghai, China



**Haoyuan Apartment**  
Xinjiang, China



**Haoyuan Community**  
Jinan, China



## Scandinavia Luxury Apartment

- 📍 Location : Jakarta, Indonesia
- 🏠 Project Type : Commercial-Residential Complex
- 📏 Size : 1000+ apartments

With the help of GVS smart community technology, Scandinavia Apartment becomes one of the most significant building in Jakarta city. The Commercial-Residential complex solves the living problem, while GVS smart community solution improves the living quality. Over 2,000 GVS video intercom & KNX smart home devices contributed a lot in the automation & security of the building in 2018.

## SKY TOWERS

- 📍 Location : Erbil, Iraq
- 🏠 Project Type : Commercial -Residential Complex
- 📏 Size : 2000+ apartments

Sky towers is a residential and commercial project located in one of the best locations in Erbil city the project is derived into 3 separate blocks, with the help of GVS smart community solution improves the living quality , over 2000 GVS IP digital video intercom devices contributed a lot in the automation & security of the buildings in 2022.



## Résidence Marcel Marlier Tournai, Belgium



## Yun Shan Shi Yi Community Guangzhou, China



## Seri Pilmoor 110 Villas Kuala Lumpur, Malaysia



## HuaYuan•Dayi Resort Guangzhou, China



## ONE SINO PARK By Sunac

- 📍 Location : Shanghai, China
- 🏠 Project Type : High-end residence
- 📏 Size : 255~380m<sup>2</sup> luxury condo.

The ONE SINO PARK seamlessly merges eastern culture with international design standards, blending the historical and cultural charm of Shanghai with the pioneering essence of the financial district of China. The project primarily features large condo spaces ranges approximately from 255 to 380 square meters, encompassing 10 diverse layouts and 5 thematic styles. To align with real estate projects and various home decor styles, GVS has meticulously fine-tuned everything from product selection to the development of intelligent solutions, tailoring a complete set of KNX smart home systems for customized integration.

With the close collaboration of GVS's integrated smart panels, rotary temperature control panels, multifunctional gateway dimming modules, and infrared sensors, intelligent control is achieved for the entire home's lighting, curtains, and air conditioning. The use of the KNX multifunctional gateway enables the users to remotely control all functions in their home.



## Kweichow Moutai Flagship Store

- 📍 Location : Guangzhou (and other cities), China
- 🏠 Project Type : High-end chain stores
- 📏 Size : 200m<sup>2</sup>

Moutai liquor is known by the world as one of the world's top three distilled spirits. Since 2022, quite a lot of new openings of the 3rd generation Maotai flagship stores happened across the country. Following an integrated approach encompassing cultural display, brand image, tasting experience, and customer service, Maotai Group has upgraded its flagship stores nationwide in terms of image, function, service, and experience.

GVS, aligning with the project's positioning and functional requirements, deeply integrates multiple systems such as smart lighting, smart wine cabinets, temperature control, background music etc. to create a great variety of exquisite scenarios. This provides both staff and consumers with a more comfortable and classical experience, rendering the new-look 3rd generation Maotai stores perfect combination of wine culture & state-of-the-art technology.

# Featured Project



## Grand Hyatt Athens

- 📍 Location : Athens, Greece
- 🏠 Project Type : 5-Star Hotel
- 📏 Size : 300 guest rooms

Grand Hyatt Greece, as a 5-star luxurious hotel under Hyatt Hotel Group, reopened in 2018 after a systematic renovation with GVS KNX hotel system. The hotel, as a landmark of Athens, started to accept its customers since 1983 and stopped in 2010 because of the crisis. Based on the latest KNX technology, GVS helped the hotel in its automation part and finally turned the hotel to smarter and more comfortable one with its advanced KNX technology.

## Fairmont Marina Residences

- 📍 Location : Abu Dhabi, UAE
- 🏠 Project Type : hotel residences
- 📏 Size : 249 serviced apartments

Fairmont Marina Residences, a 39-storey Arabian themed skyscraper which resembles the hotel located at the top of Dubai's Palm Jumeirah, is the first Fairmont-branded hotel residences in the UAE, it's part of the 563-room Fairmont Marina Resort in Abu Dhabi.

GVS, by actively participating in the hotel decoration process of the project, has worked with a few other KNX brands and successfully equipped the hotel residences with the latest smart hotel technology.



**InterContinental Hotel  
Wuxi, China**



**Falkensteiner Schlosshotel  
Austria**



**Herbarium Hotel & SpA  
Gmina Gąsawa, Poland**



**W Hotel  
Guangzhou, China**

**Beijing No. 1 Social Welfare Home**  
Beijing, China



**Evergrande Group Healthyland**  
Sanya, China



**The General Hospital of the People's Liberation Army**  
Beijing, China



**Vanke Tianjin Yiyuan Elderly Care Center**  
Tianjin, China

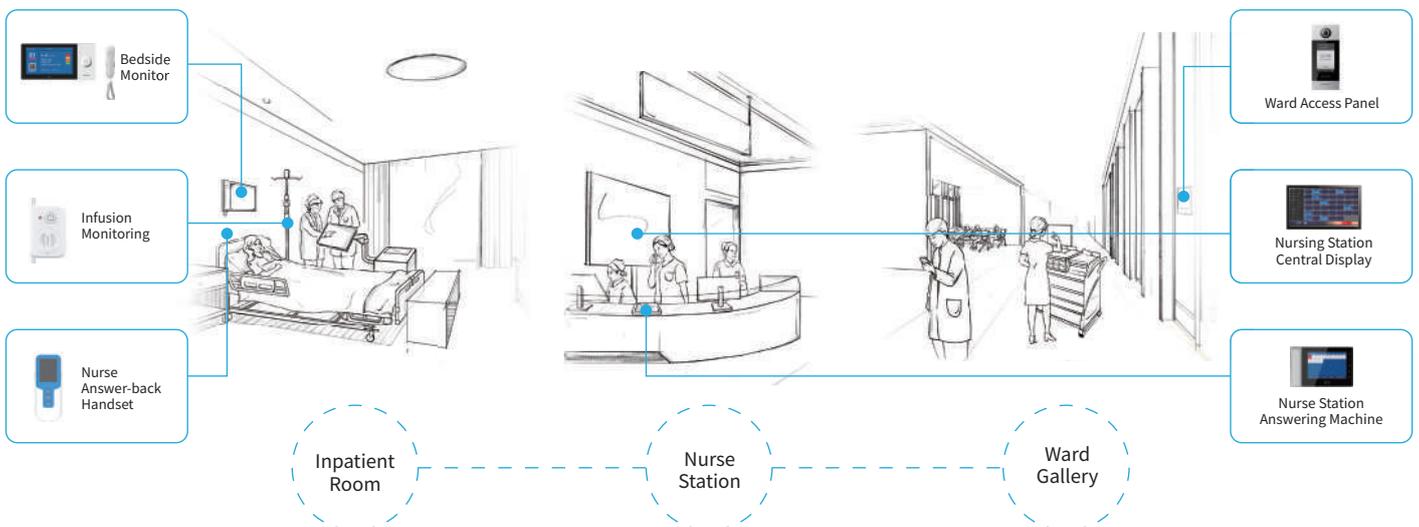


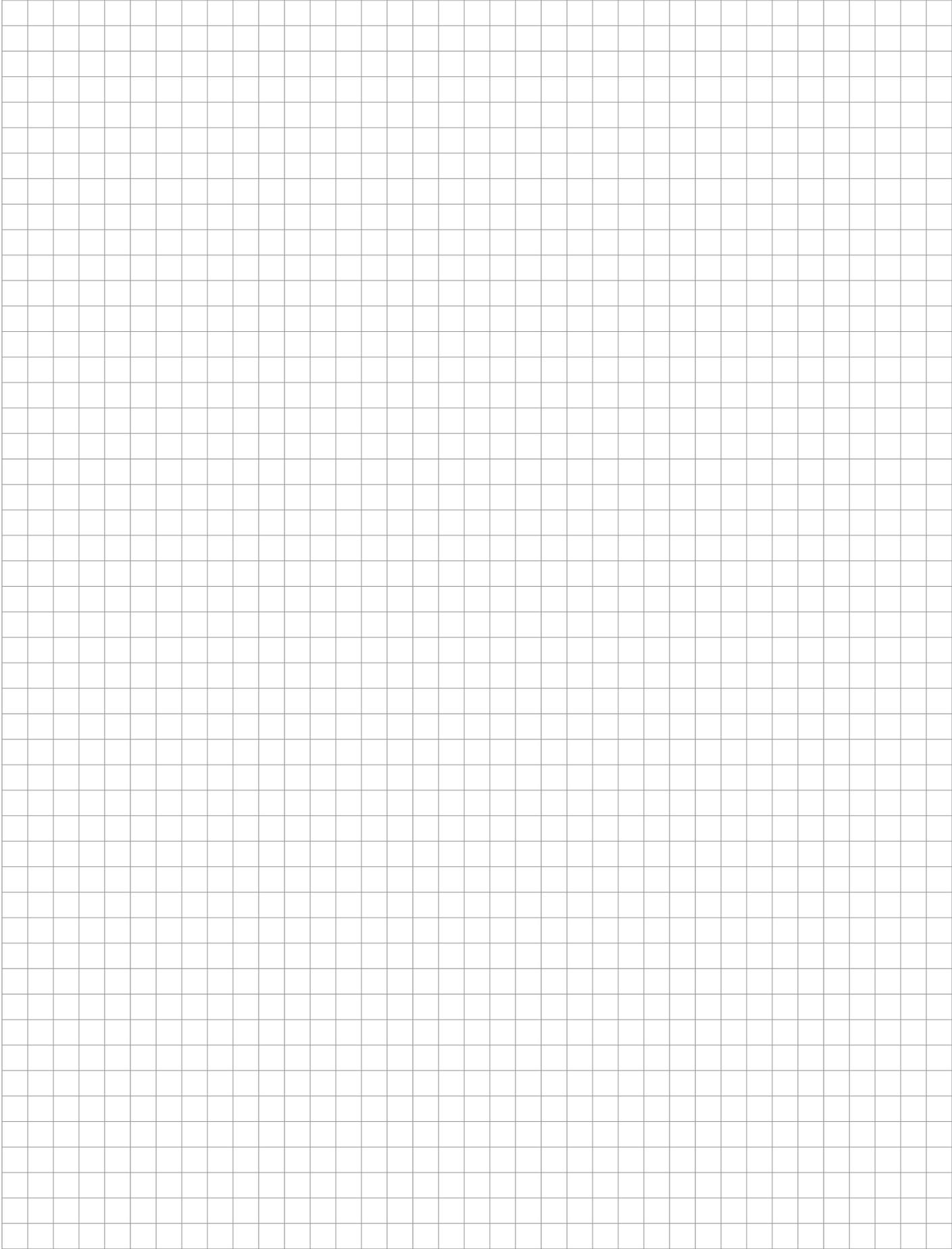
## Jinan Maternal and Child Healthcare Hospital

- 📍 Location : Jinan, China
- 🏠 Project Type : Smart Hospital
- 📏 Size : 50+ pediatrics patient rooms

Ji'nan Maternal and Child Healthcare Hospital is a famous First-class Hospital at Grade Three for women and children, the hospital is an integration for healthcare, scientific research and medical teaching, with its inpatient and out patient amount ranking first in Shandong Province. In October 2018, it became the 1st smart hospital under help of GVS team by installing the very first Smart Pediatrics Ward in Shandong Province with a total number of 50+ patient rooms. The smart ward has a variety of new functions such as visitor management system, smart information display, smart clinical data collection system, and all functions are transmitted by different protocols like LoRa, BLE, RFID, WiFi and KNX. As an excellent IoT service provider, GVS successfully integrated all protocols and made the hospital a smart and modern one.

## How it works for a smart hospital?













**GVS Deutschland GmbH & Co. KG**

Westumer Straße 53  
53489 Sinzig  
Germany

Phone: +49 (0) 2633 8800

Fax: +49 (0) 2633 7171

E-Mail: [info@gvssmart.de](mailto:info@gvssmart.de)

Website: [www.gvssmart.de](http://www.gvssmart.de)

