GVS®

Stock Code : 870976

WELCOME TO GVS

Guangzhou Video-Star Intelligent Corp., Ltd

CONTENT

01 **Company Profile**

02 **Main Business**

03 **Project & Partner**

01
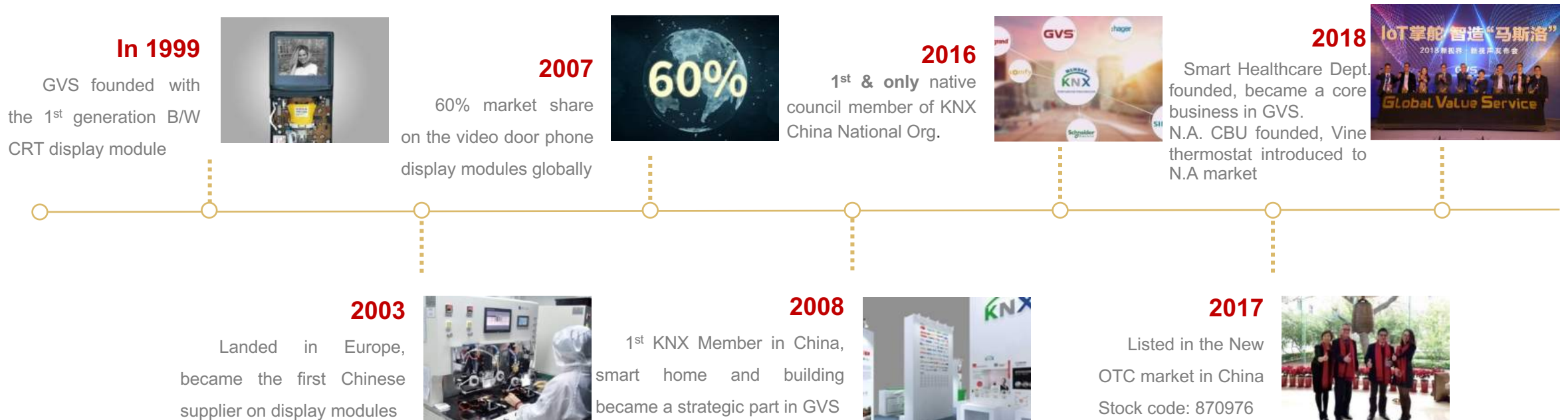# Company Profile

GVS®

◆ GVS Registration Information

Company Name	▪ **Guangzhou Video-Star Intelligent Corp. Ltd**
Stock Name/Code	▪ **870976**
Enterprise Type	▪ **Corporated Enterprise**
Equity	▪ **About 3.3 million shares**
Earnings per Share	▪ **Announcement on board**
Annual Turnover	▪ **RMB 150M (about 20 million EURO)**
Main Business	▪ **Smart Security / Smart Building / Smart Medical & Elderly Care Solution**
Industry Status	▪ **Security / Building Automation; Leading KNX Brand in China**

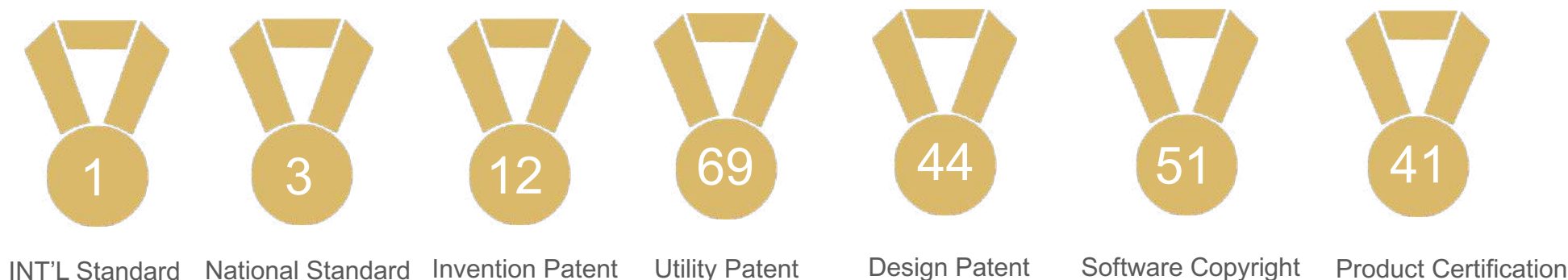**GVS**®

◆ Milestone Events

Established in 1999, GVS entered the security industry with its 1st generation product - CRT display modules, the company soon extended its product line to TFT, home & building automation, video intercom by continuous investment and innovation in the industry. As a pioneer in the smart security and building industry, GVS keeps on contributing to the industry in the coming decades…

In 1999
GVS founded with the 1st generation B/W CRT display module

2007
60% market share on the video door phone display modules globally

2016
1st & only native council member of KNX China National Org.

2018
Smart Healthcare Dept. founded, became a core business in GVS.
N.A. CBU founded, Vine thermostat introduced to N.A market

2003
Landed in Europe, became the first Chinese supplier on display modules

2008
1st KNX Member in China, smart home and building became a strategic part in GVS

2017
Listed in the New OTC market in China
Stock code: 870976

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◆ Qualifications

1	3	12	69	44	51	41
INT'L Standard	National Standard	Invention Patent	Utility Patent	Design Patent	Software Copyright	Product Certification

217+ patents, copyrights and certifications

◆ Initiated and directed compilation of the int'l standard *IEEE1888.4 Green Smart Home and Building Control Network Protocol*

◆ Presided and drafted the national standard *Building Automation and Control System Protocol* (GB/T 28847)

◆ Participated in compilation the of national standard *Control Network HBES Tech Standardization – Home and Building Control System (GB/T 20965-2013)*

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◆ Core Competence

Key Supplying Chain

Design and market competitive touch screen with core IC, customization in all product categories.

Stack

KNX stack developed by GVS, bridge other technologies with KNX protocol to serve target clients with more integrated technology.

Product Solution

With numbers of embedded technology solutions, GVS is able to offer the market with products cost-efficient.
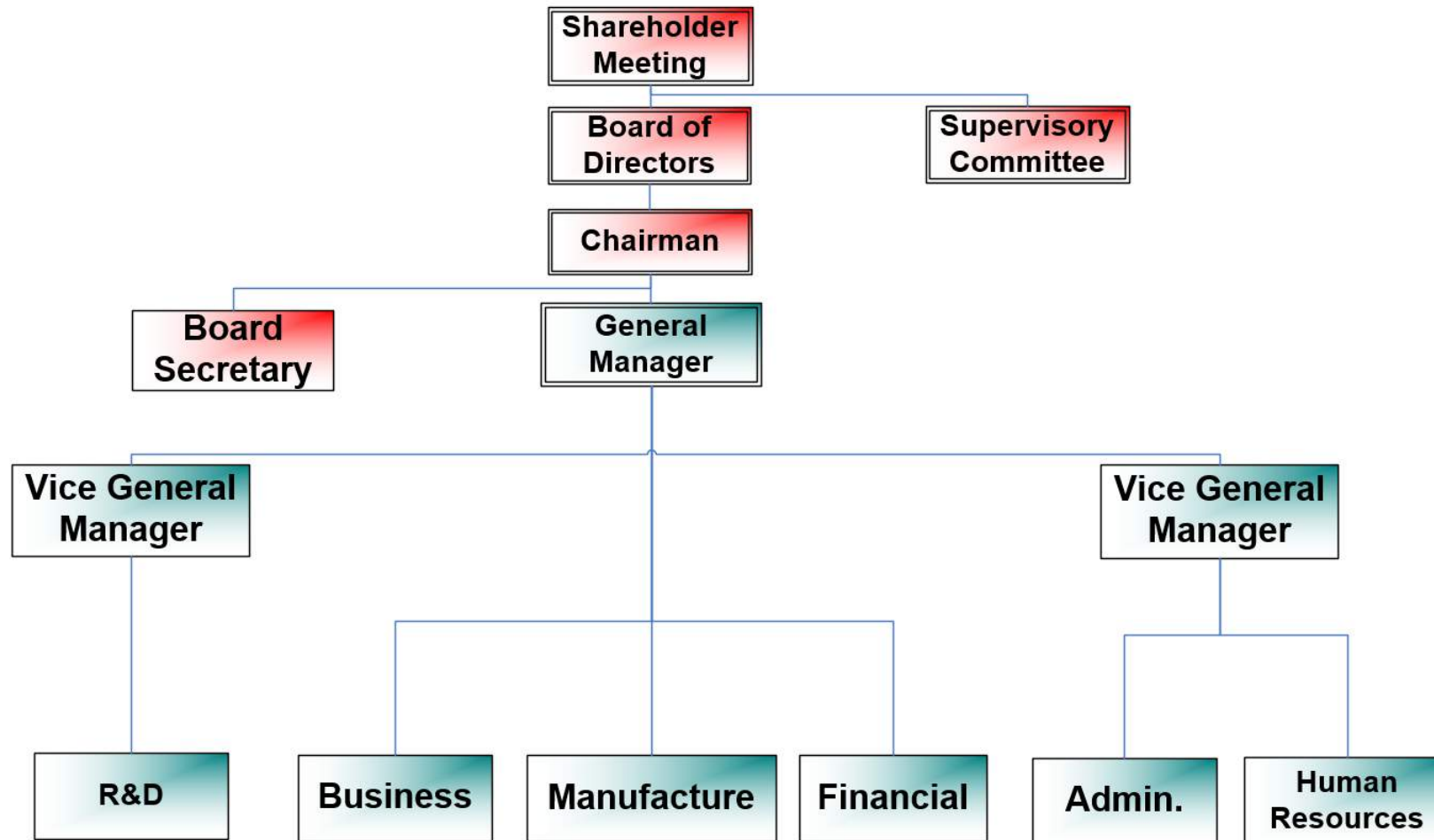
"Cloud – Mobility"

Commercialized cloud applied in users' end, connecting smart home and security with cloud service to realize mobility in this industry.
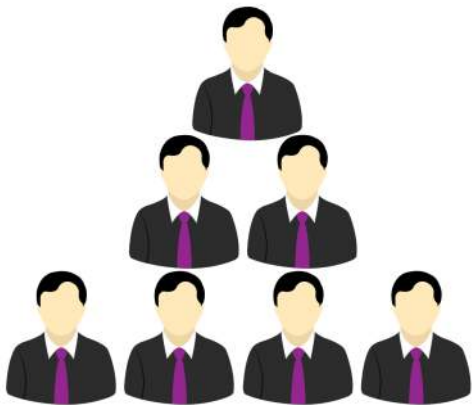
GVS®

◆ Company Structure

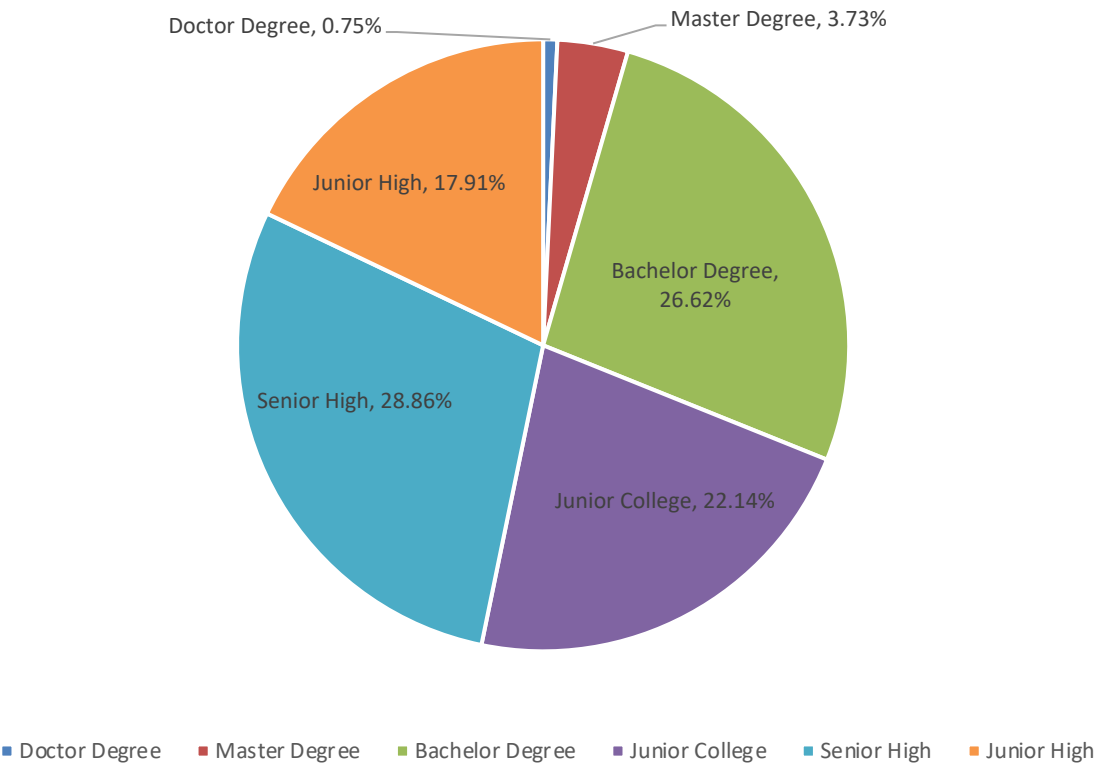## Guangzhou Video-Star Intelligent Corp., Ltd
Company Structure

GVS®

◆ **Staff Structure**

GVS Staff Diploma Statistcs						
Diploma	Doctor Degree	Master Degree	Bachelor Degree	Junior College	Senior High	Junior High
No.	3	13	93	77	101	63
Per.	0.75%	3.73%	26.62%	22.14%	28.86%	17.91%
Total	402					

350 Staff

■ Doctor Degree ■ Master Degree ■ Bachelor Degree ■ Junior College ■ Senior High ■ Junior High

GVS®

◆ Senior KNX Member in China

10 years KNX R&D + manufacture experience

- Earliest KNX member in China – 2008

- First authorized KNX Training Center in China -2010

- First native board member of KNX CHINA - 2016

- Chairman of KNX CHINA -2018

- The company which invested the most into KNX R&D and marketing work

◆ GVS - Branches

San Francisco, U.S.A
Consumer Business Unit
Innovation Center
5673 W. Las Positas Blvd. Pleasanton, CA 94588

Shanghai, China
Customer Experience Center
Building 18, No. 1800, Zhongshan Xi Rd.,
Xuhui District, Shanghai

350 Staff

1500+ Partners

Guangzhou, China
Headquarter
F3/Bldg 5, Lanyu 4th St.,
Huangpu Distr., Guangzhou

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◆ Competitiveness - Fair & Exhibition

Guangzhou Video- Star

Global Value Service

To become the most valuable smart IoT service provider

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02
Main Business

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Smart Security

Building Security	Modular Business	ODM Service

- Video Intercom System
- Security Modular Service
- Display & Interactive
- ODM Service
- IoT Modular Service
- Cloud Service

Smart Building

BMS	Automation System	Operation & Service

- Building Automation & Management
- Building Security Control
- Smart Home
- Smart Household Appliances
- Smart Community
- Smart Hotel IoT Solution
- Operation & Service

Smart Healthcare

Smart Medical Care	Smart Elderly Care	Healthcare Service

- Smart Medical Terminal
- Digi-Intelligent Smart Medical Ward
- Medical IoT Platform
- High Precision Tele-medical Platform
- Elderly RE Solution
- Rehabilitation & Elderly Care Service
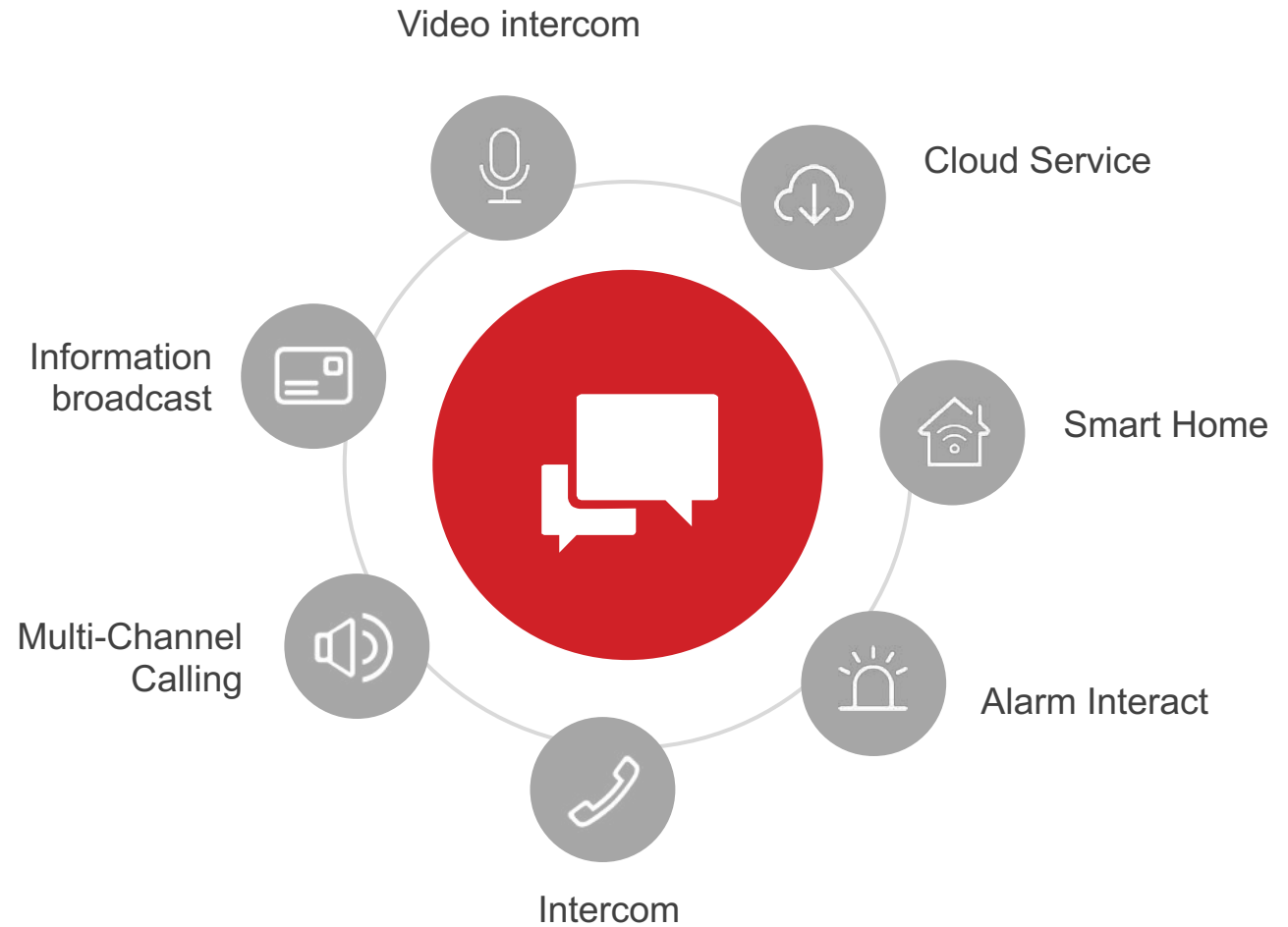
◆ **Main Business**

Smart Security **- IP intercom system -** **In General**
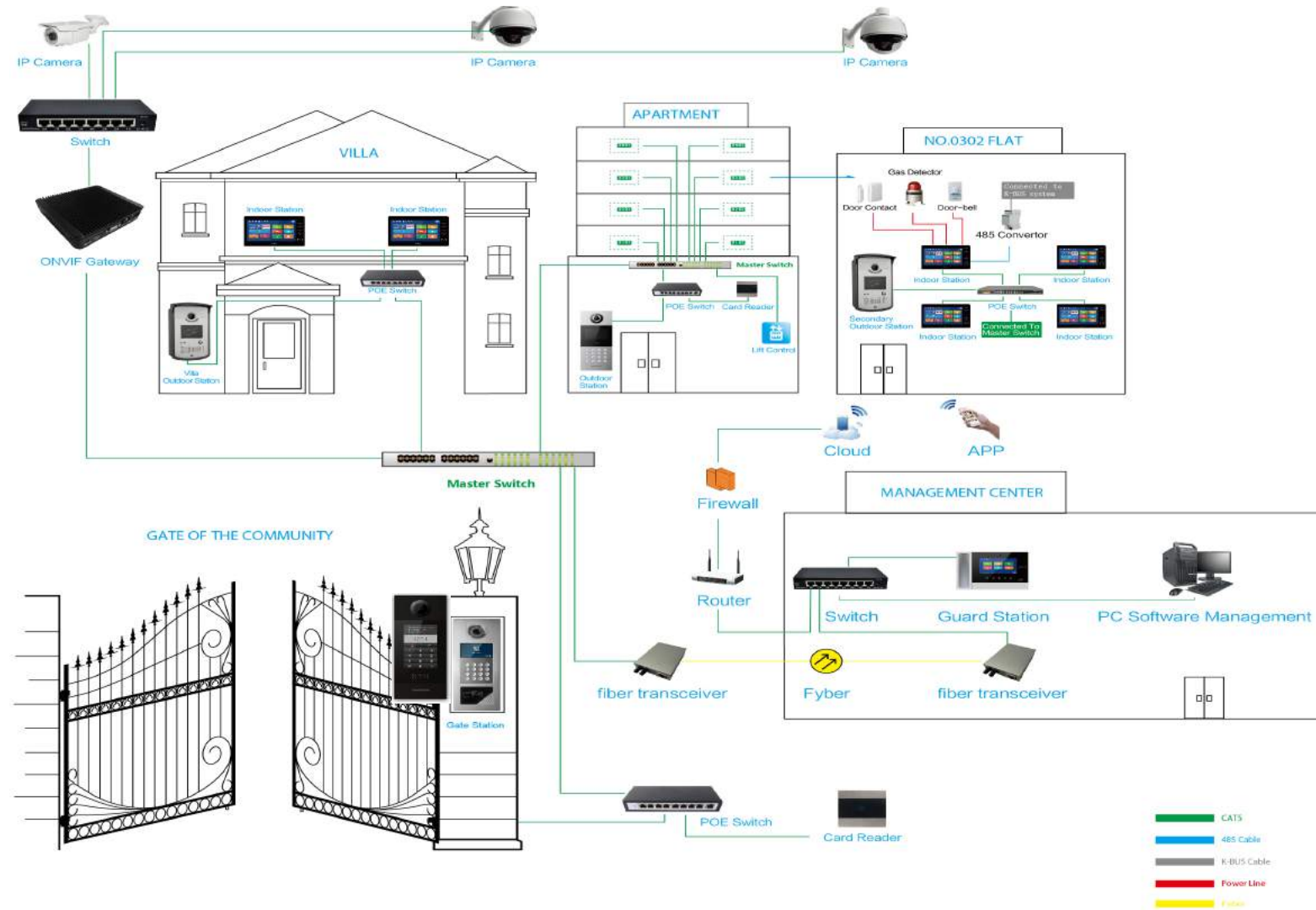
H Series IP Video Intercom System

Based on full digital TCP/IP protocol, the H series IP system is available with functions of video intercom, multi channel calling, intercom function, broadcast function, alarm function, smart home function, APP function etc.
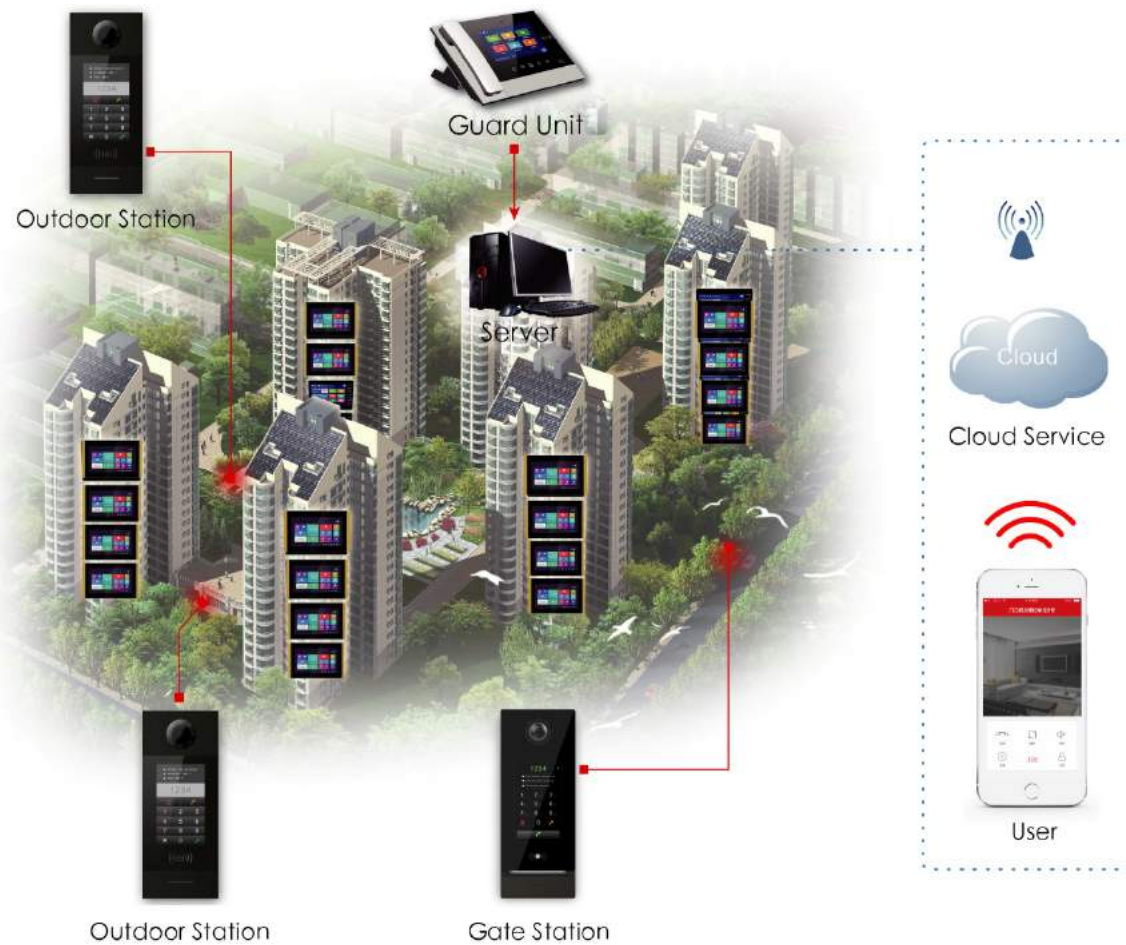
Video intercom

Cloud Service

Information broadcast

Smart Home

Multi-Channel Calling

Alarm Interact

Intercom

GVS

◆ **Main Business**

Smart Security - IP intercom system - Topology

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◆ Main Business

Smart Security - IP intercom system - How it works?

Guard Unit

Outdoor Station

Server

Cloud Service

User

Outdoor Station

Gate Station

IR Beam

10.1" Indoor Monitor

Curtain Motor

Window Contact

E-Button

Smoke Detector

Gas Detector

Door Contact

KNX/RS485 Converter

Connect The K-BUS Intelligent Control System

GVS®

◆ Main Business

Smart Security - IP intercom system - Monitors

10.1" Indoor Monitor

- 10.1 inch glass faceplate
- Full capacitive touch
- 24V/48V PoE Switch optional
- Auto-photo-capture, resolution 1024*600
- Mobile app with video talk, unlock, monitor functions etc.

7"/4.3" Indoor Monitor   **Audio Phone**

- 7 inch glass/acrylic faceplate with full capacitive touch
- 4.3 inch acrylic faceplate with touch key (economic)
- Audio phone with classic design and low cost
- All support 24V/48V PoE Switch
- Resolution: 800*480, 480*272
- Mobile app supported on 7 inch

7" Outdoor Touch   **4.3" Outdoor Button**   **1-Button Mini Outdoor Station**

- 7 inch glass faceplate with full capacitive touch, face recognition supported
- Visual angle from 110° to 123°
- Camera: 0.3 mega pixel – 2 mega pixel
- IC card supported
- All support 24V/48V PoE Switch

GVS®

◆ Main Business

Smart Security - IP intercom system - Accessories

7" Guard Unit Monitor

PC Software

- 7" capacitive touch screen, resolution: 800*480
- Card registration function
- PC software for big building project

Lift Calling Module

Lift Control Module

Alarm Module

Power Supply

- Lift calling/control function
- Alarm function
- Power supply for small

6+2 PoE Switch
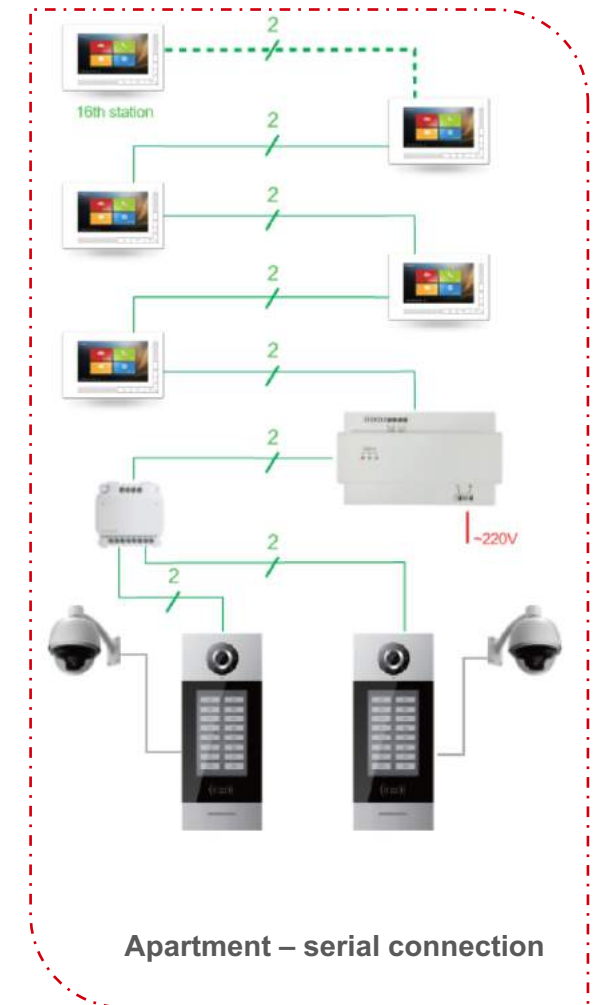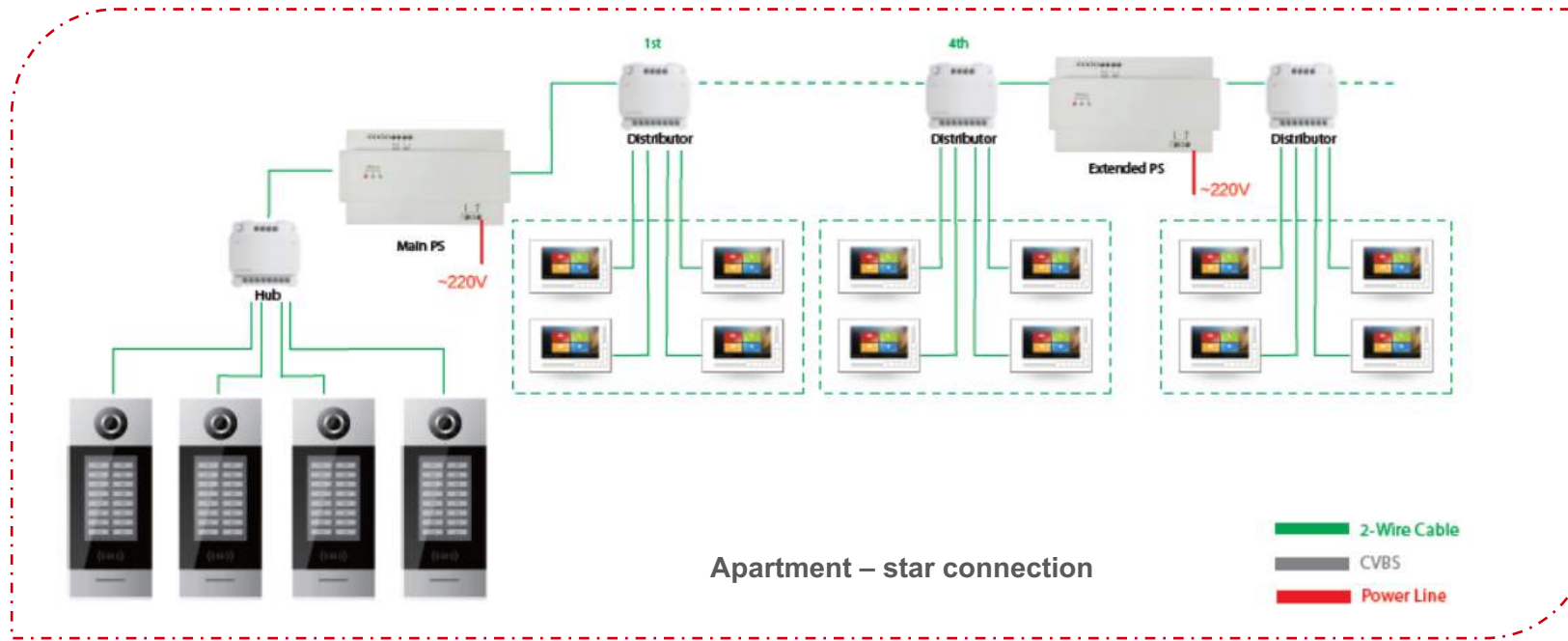
IP Camera Gateway

Defence Zone Extension Module 7"

Card Reader

- 6+2/7+1 PoE switch, 24V/48V
- Connection up to 255 cameras
- Extra defense zone supported
- Single card reader supported

GVS®

◆ **Main Business**
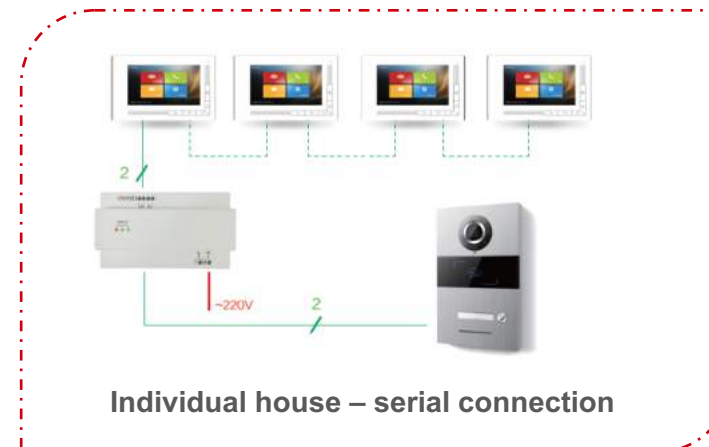
Smart Security – **2 wire intercom system** – **Topology**

Apartment – star connection

Legend:
- 2-Wire Cable
- CVBS
- Power Line

Way-2-Easy Kit

Individual house – serial connection

Apartment – serial connection

◆ Main Business

Smart Security – 2 wire intercom system – Monitors

7" Indoor Monitor L/H   **7" Indoor Lite**   **4.3" Indoor TK**   **AP**

- Indoor monitor AP, 4.3" TK, 7" TK, 7" TP
- 2 wire non-polarized technology
- Max. 4 sets in one apartment, 128 in one system

1-2-4 Button Mini Outdoor Silver   **1-2-4 Button Mini Outdoor Silver**

- 1-2-4 button mini outdoor station
- Aluminum faceplate with elegant design
- Card reader supported
- Visual angle 90°
- Silver & black available

7" Outdoor Touch   **2.8" Outdoor Button**

- 7 inch full capacitive touch and 2.8" button available
- Visual angle from 110°
- Camera: 0.3 mega pixel
- Name list supported
- IC card supported

GVS®

◆ Main Business

Smart Security - IP intercom system - Accessories

System Power Supply　　**Extended Power Supply**　　**Mini Power Supply**

- System Power Supply
- Max. 8 Extended Power Supply in one system
- System supports up to 128 indoor monitors
- Mini Power Supply for single apartment/house

Outdoor/Indoor Distributor　　**Relay Module**　　**A-Camera Interface**　　**Name List Tool**

- Outdoor Distributor allows max. 3 main outdoor stations per system
- Indoor Distributor allows max 4 connections
- Max. 4 indoor distributor per extended power supply
- Relay control module for a 2nd door lock
- Max. 3 channels for analogue cameras per interface (actual number is related to outdoor, which connects ≤ 3)
- The Tool allows feasible programming of name list on main outdoor station

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◆ Main Business

Smart Security – TFT & Display Modules
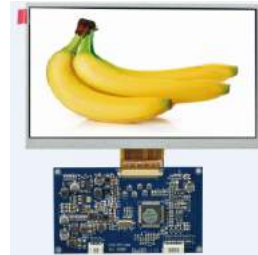

| 1.2" TFT | 3.5" TFT | 4.3" TFT | 7" TFT | 10.1" TFT |

TFT Display
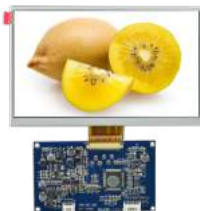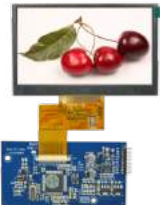
■ Customizable with different sizes

■ Widely used in security industry and household appliances

■ 20 years experience in TFT display business

3.5"/4.3"/7"/10.1 Display Module

Video Intercom Display Module

■ Typical tailored display module for video intercom

■ 20 years experience on module design and manufacture

◆ Main Business

Smart Building - KNX Building Automation system

◆ Main Business

Smart Building - KNX Building Automation system – Why KNX ?

AN INTERNATIONAL STANDARD

1
the Only Open Protocol for home and building automation worldwide

30
widely used over 30 years since EIB age

39
435 members spreading over 39 countries

7000
Over 7000 brands are connected with KNX globally

KNX®

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Smart Building - KNX Building Automation system – Topology Home

IP Camera

Air Quality Sensor

Brightness&Motion Detector

IPCAM Gateway

Mini Outdoor Station

Thermostatic Panel

7" Indoor Monitor

POE Switch

TCP/IP

5" Touch Panel

3.5" Touch Panel

Background Music Server

Power Supply

Switch Actuator

4A LED Dimming Actuator

Fan Coil Actuator

Shutter Actuator

IP Interface

RS485 Convertor

4-Fold Universal Interface

Gas Detector

Smoke Detector

easyControl for Phone/Tablet

WIFI

Phone

Door Contact

GVS®
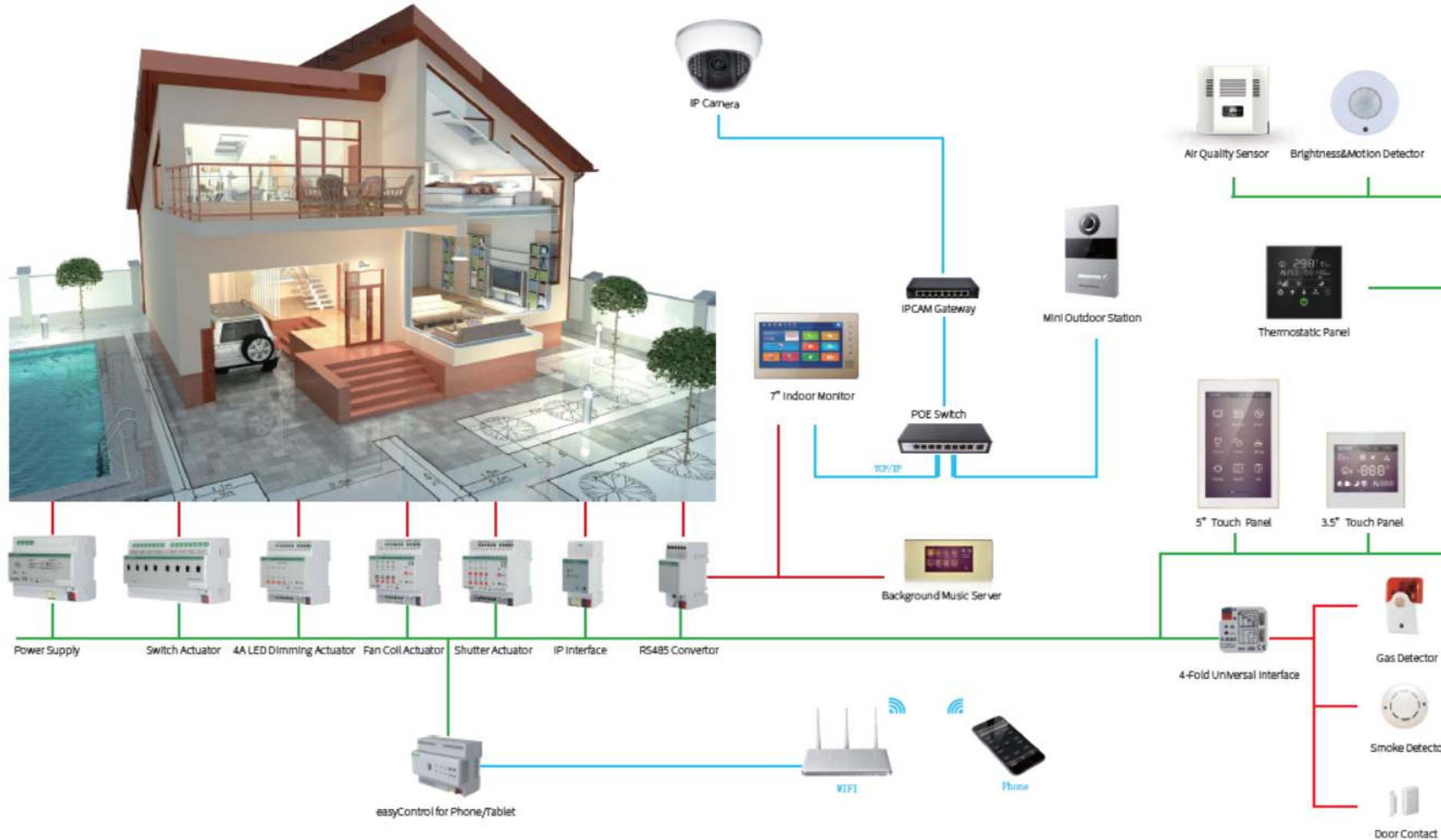
◆ Main Business

Smart Building - KNX Building Automation system – Topology Office

Wi-Fi

Mobile/Tablet

IP Interface

Motion & Brightness Sensor

5"Touch Panel

Push Button Sensor Plus

Thermostatic Panel

Fan coil Controller

Universal Interface

Mechanic Push Button

FingerPrint Lock

Power Supply

Dimming Actuator

Switch Actuator

LED Dimming Actuator

Shutter Actuator

RS232 Converter

RS485 Converter

IR Transmitter

Split AC

Central AC

Pendant Lamp

Lighting

Fluorescent Tube Panel

Floodlight

Dimming LED Panel Light

Electric Curtains

Projector Screen

Projector

Public Meeting System

GVS®

Smart Building - KNX Building Automation system – Topology Hotel

IP Router

Network Switch

Hotel Management Software

Mobile/Tablet

Power Supply

Motion & Brightness Sensor

3.5"Touch Panel

Thermostatic Panel

Push Button Sensor Plus

IR Transmitter

IR

TV Set

Card for Power

Room Controller Premium

HVAC

Curtains

Socket

Reading Lamps

Emergency Panel

Door Sensor

Mechanic Push Button

Bedside Panel

Door Bell

Fog Wall

Lighting

GVS®

Smart Building - KNX Building Automation system – Actuators

Switch Actuator, 4/8/12-fold, 16A/20A, current measurement optional

Switch Actuator, 24-fold

Room Controller Classic

Room Controller Premium

Switch Actuator, 8-fold, 10A

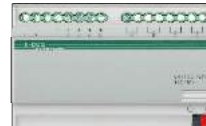**Shutter Actuator, 4-fold**

Fancoil Actuator, 0-10V

Switch Actuator, 8-fold, 6A
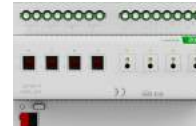
Switch Actuator, 12-fold, 6A

Dimming Actuator, 1/2/4-fold

0-10V Dimming Actuator

1-10V Dimming Actuator

LED Dimmer, 4A

Dali Dimming Controller

GVS®

◆ Main Business

Smart Building - KNX Building Automation System - Panels

5" Touch Panel Slim, silver/black/gold

KNX 5" Touch Panel

- capacitive touch
- 3 colors silver, black, gold
- Standard KNX protocol
- Main KNX functions supported

3.5" Touch Panel Slim, silver/black/gold   **Thermostatic Panel**
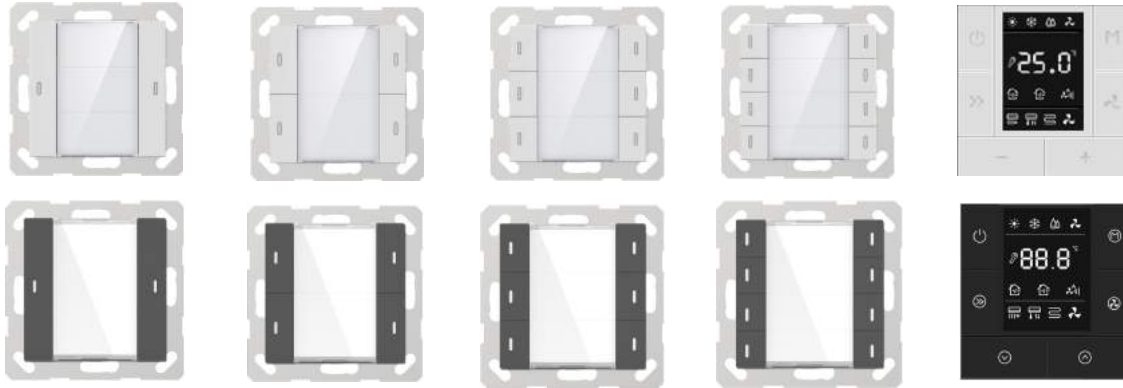
KNX 3.5" Touch Panel

- capacitive touch
- 3 colors silver, black, gold
- Standard KNX protocol
- Main KNX functions supported

- KNX 3.5" Thermostatic Panel for HVAC control

GVS®

◆ Main Business

Smart Building - KNX Building Automation System - Panels

55mm series: Push Button Sensor Plus, 1/2/3/4-gang, b/w   ;   KNX Thermostat, b/w

Standard European KNX Push Button Series

- 1/2/3/4-gang KNX push button 55mm
- KNX Thermostat 55mm
- White/black, matt/shiny finish available
- 100% fits Gira, Jung, Siemens, Hager frame

6-Button Touch Panel Slim, silver/black/gold   6-Button Touch Panel, classic

6-Button Touch Panel

- KNX touch button
- RGB led indicators
- Customization on icons

GVS®

◆ Main Business

Smart Building - KNX Building Automation System - Panels

KNX Input Device

- Brightness & Motion Sensor
- Air quality sensor
- Universal Interface 4-fold
- Binary Input 4-fold
- IR Transmitter, IR Learner

KNX Converter/Gateway

- KNX/RS485 Converter
- KNX/RS232 Converter
- KNX/IP Interface
- easyControl APP Server

KNX System Device

- KNX Power Supply 640mA
- KNX/IP Router
- KNX Line Coupler
- KNX/RF Transceiver
- KNX/USB Interface
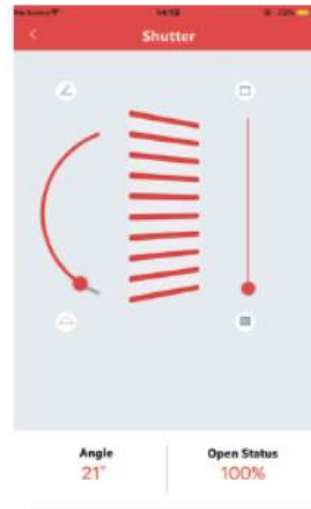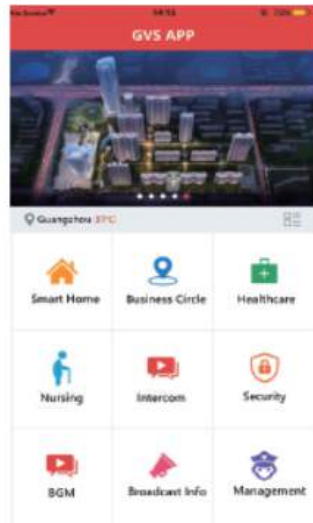
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◆ Main Business

Smart Building - KNX Building Automation System - App service

easyControl App Gateway

- Support max. 5 channels data conversion between KNX & RS485/232
- Built-in Apache server and SQL database
- Support server login via web browser
- Support online programming
- App available for remote control via cloud service
- All typical KNX functions supported
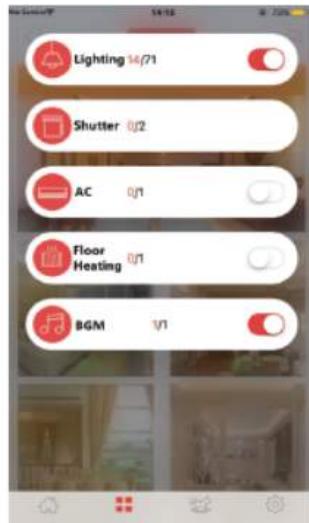
◆ Main Business

Smart Building - CBU Product - WIFI Thermostat

Smart Wi-Fi Thermostat

Color Touch Screen

Amazon Alexa/ Google Home

Remote Control

Supports IOS / Android

Wi-Fi Thermostat – **Model TJ-919**

Wi-Fi Thermostat – **Model TJ-610**

◆ Main Business

Smart Health Care - Medical & Elderly Care Solution

Smart Ward Call Components

Smart Hospital Infusion System

Elderly Care System

Smart Nursing Components

03
Project & Partner

GVS®

Project & Partner

Main projects and clients location

Germany France Switzerland Italy Spain Portugal Czech Austria
Norway Finland Sweden   Estonia Latvia Belarus Russia
Romania Hungry Slovenia   Greece Poland Turkey
Cyprus   Ireland Latvia   England Netherland Belgium

1500+ Partners

Europe

102 Country & Region

987 Clients

1,060,000 Products shipped

8970 Projects installed

N.A
Canada Mexico

Asia
China South Korea Japan
Thailand Vietnam Malaysia
Singapore   Indonesia
Philippines
India   Pakistan   Iran
Afghanistan   UAE Qatar
Israel Saudi Arabia
Syria Lebanon

S.A
Brazil Argentina
Chili   Columbia
Ecuador Honduras

Africa
South Africa Zambia
Nigeria Egypt Tunisia

Oceanic
Australia New Zealand

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◆ Project & Partner

Guangzhou Subway Project

Location: Guangzhou, China

Details: KNX in line 13, 14, 21, altogether 40 stations

GVS has finished the KNX automation part in the latest THREE Guangzhou new subway lines. The whole project has already been finished at the end of 2018. It is now the LARGEST KNX AUTOMATION SYSTEM being applied in subway systems worldwide.

GVS®

◆ Project & Partner

The Imperial Palace Museum

Location: Beijing, China

Details: KNX in the new digital multi-media hall

By using K-BUS solution, the old Imperial Palace Museum has come to life again after so many years quietness, with an integrated solution including lighting, shutter, background music, security, the museum and the meeting hall has realized the modern functions and automation easily.

GVS®

◆ Project & Partner

Falkensteiner Schlosshotel Velden

Location: Velden am Worthersee, Austria

Details: KNX 5" Touch Panel for renovation

The Falkensteiner Schlosshotel Velden, as a hotel of the leading hotels worldwide, has a KNX system installed 10 years go by ABB i-bus. With the help of the classy K-BUS 5" Touch Panel from GVS, the renovation work was a big success, helping this famous 5-Star hotel shine again after years of worn-out KNX automation system.

GVS

◆ Project & Partner

Fairmont Abu Dhabi Hotel

Location: Abu Dhabi, UAE

Details: KNX Thermostatic Panel

Benefit from the exclusively designed thermostat from GVS, the system integrators have successfully integrated 1,500 pcs of K-BUS thermostatic panel along with several other brands to automate the most luxurious Fairmont Abu Dhabi Hotel in Abu Dhabi.

GVS

Kuala Lumpur Eco City

Location: Kuala Lumpur, Malaysia

Details: KNX Thermostatic Panel

As a special business & residential complex, the KL Eco City in Malaysia has planned environmentally friendly systems, among which KNX is one of the most important factor. Over 1,500 pcs of K-BUS devices have contributed to the automation of the building, helping the project win the first GBI Gold Medal in Malaysia.

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Other featured KNX projects

Estonian National Museum

Beijing Olympic Museum

Golf Villas in Suzhou

CR Land in Nanjing

The Trial Court Building In Jinnan, China

Wanshan Hotel in Zhuhai

News Gathering Center

Zhongguancun Internet Financial Center

New World Villas in Foshan

1865 Pioneer Park in Nanjing

Wuxi Taihu International Expo Center

COFCO Beijing Future Technology City project

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◆ Project & Partner

Smart Istanbul Residential Condo

Location: Istanbul, Turkey

Details: 3000 residential apartments with IP VDP

Device Used: H-IS01   7" Indoor Monitor

H-OS02   4.3" Outdoor Station

H-VS01   Mini Outdoor Station

H-SW   6+2 PoW Switch

H-GU01   Guard Unit

H-Cam   IP Camera Gateway

Contractor: B Company ; ODM

Supplier: GVS

GVS®

◆ Project & Partner

Yun Shan Shi Yi Condo

Location: Guangzhou, China

Details: 1,600 residential apartments with IP VDP

Device Used: H-IS01   7" Indoor Monitor

                     H-OS02   4.3" Outdoor Station

                     H-VS01   Mini Outdoor Station

                     H-SW   6+2 PoW Switch

                     H-GU01   Guard Unit

                     H-Cam   IP Camera Gateway

Contractor: Fang Yuan Real Estate; OEM Supplier: GVS Company

GVS®

◆ **Project & Partner**

Champs-Elysees Residential Condo

Location: Chong Qing, China

Details: 1,200 residential apartments with IP VDP

Contractor: Trendzone Decoration; OEM

Supplier: GVS Company

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◆ **Project & Partner**

Other featured VDP projects

SHEET-INTERIOR

Wuxi Spring Garden

Bohai Building

Meygoon Skiing Site Condo

SHEET1-WINTER NIGHT

SHEET1-WINTER NIGHT

Shanghai Hong Jun Villas

GVS

◆ **Project & Partner**

Strategic Partners in Real Estate Industry

GVS

THANKS

Together, we can make it smarter and better.

Contact us:

TEL: +86-20-82068917

E-mail：info@video-star.com.cn

Sie：www.video-star.com.cn