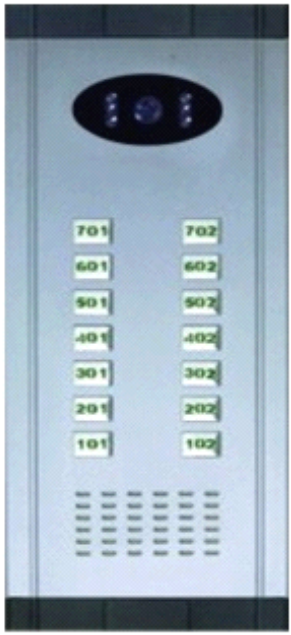
STRAIGHT-WAY INTERCOM



USER’S MANUAL

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Section description page

Ⅰ、System introduction

Video and audio intercom system consists of the door station, the module, indoor phones, the power source and so on, which has stable performance, easily operation and clear picture.

▲ Main Products

Door station

CS-200Z-4

CS-200Z-4IC

CS-200ZV-4

CS-200ZV-4IC

CS-200Z-1

CS-200Z-1IC

CS-200ZV-1

CS-200ZV-1IC

Indoor phones

CS-300SV-1

CS-300SV-2

CS-300SV-3

CS-300SV-4

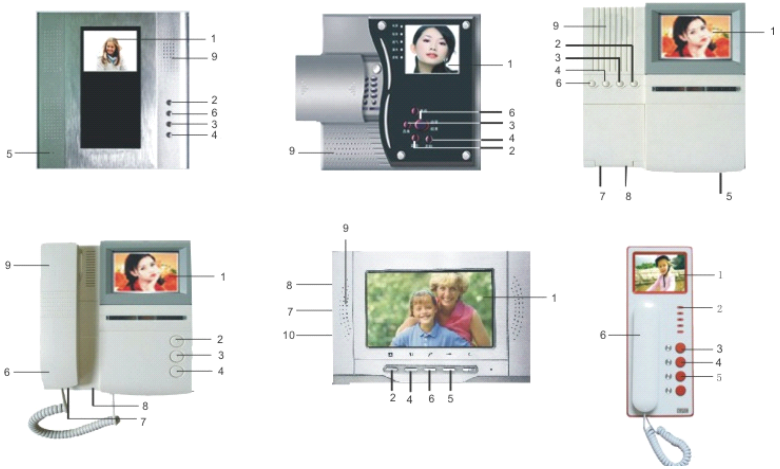
CS-300SV-5

CS-300F

CS-300SV-8

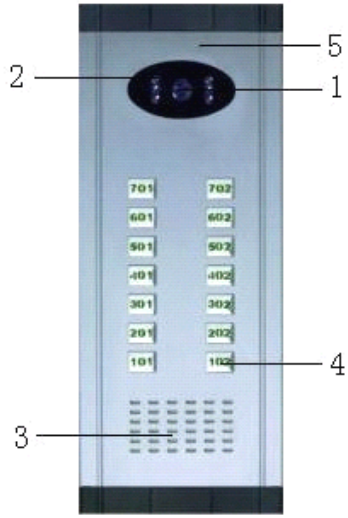
CS-300SV-6

▲ Description of indoor phone



Location	Description	Function
1	4″ /7″ Indoor phone Screen	Identify Visitor
2	Power Light	Indicates Power On
3	Monitor Button	View Picture On Indoor phone
4	Call/Alarm(Alarm may choose) Button	Activate Alarm
5	Unlock Button	Operate Electric Door Lock
6	Microphone	Speak to Visitor
7	Talk Button	Telephone conversation
8	Brightness	Adjust brightness of Indoor phone
9	Contrast Adjustment	Adjust contrast of Indoor phone
10	Receiver	Listen to Visitor

▲ Description of Door station



Location	Description	Function
1	Camera Lens	Sends Picture To Monitor
2	Night Vision Light (LED Light)	Illuminates Area In Darkness
3	Speaker	Enables You To Speak To Visitor
4	Door Bell Button	Pressing Gives Ding Dong Sound
5	Microphone	Enables Visitor To Speak To You

▲ System features

The straight-way dialing, easily and conveniently.

The outdoor station's panel is made of cast-aluminium, luxurious and natural;

LED in the door station provide a clear picture even at night

The ring has two sweet sound or "dingdong" sound.

The electric current is small and can save the electricity

With night light installment and the pressed key made of stainless steel, the room number may be changed voluntarily;

The panel's buttons may act according to the household number nimble change, also may plate alignment

Video indoor phone and audio indoor phone may be installed together.

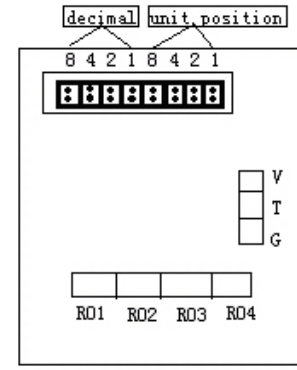
Ⅱ、Technical parameter

- Working voltage: DC10.8V～16V
- The undistorted power of audio output:

  The main channel: ≥5mW min

  Reply channel: ≥100mW min
- Frequency response: 300～3400HZ±3db
- Environment temperature : -40℃～ +70℃
- Humidity: 45%～95%
- Working current of camera: 500mA±20mA
- Camera: 1/3″ CCD/ CMOS
- Definition: 380 TV lines
- Sweep frequency:15625HZ 50HZ
- Lowest illumination:0.2LUX
- Video output:1VP-P 75

Ⅲ、Coding setting



ⅰ. The module has a line with two rows contact pin, the letter are 8,4,2,1,8,4,2,1 The first 8,421 is decimal and the latter 8,421 is the unit position. There are eight pairs of two sides contact pin.

Coding site 01 (the first floor): the block of short-circuits should be inserted in the single 1 contact pin.

Coding site 02(the second floor):the block of short-circuits should be inserted in the single 2 contact pin.

Coding site 06(the sixth floor):the block of short-circuits should be inserted in the single 2 and 4 contact pin.

Coding site 07(the seventh floor):the block of short-circuits shoule be inserted in the single 1,2 and 4 contact pin.

…

ⅱ. There are three potentiometers in the door station, which are "The mainframe", "The extension phone" and "The balance". "The mainframe" uses to adjust the volume of the door station; "The extension phone" uses to adjust the volume of indoor phones, which limits in some range, so don't attempt to

adjust the volume of indoor phone and break potentiometer; "The balance" use to eliminate the sidetone.

ⅲ. The connection of the wires must be correct exactly, otherwise it will affect the normal work of the whole system. The wrong connection of the main wire may cause modules in all floors cann't code and ring. When you come across this kind of problems,please separate the majority of modules and debug one by one until finding out the failure.

ⅳ. When the door station call indoor phones,and it sends two "di , di " sound , that mean it cann't detect the indoor phone, If it sends three "di, di, di " sound, that mean the wire of the indoor phone is short-circuits. When the door station call all indoor phones,they are unnormal or no sound,then it maybe the failure of main wire.

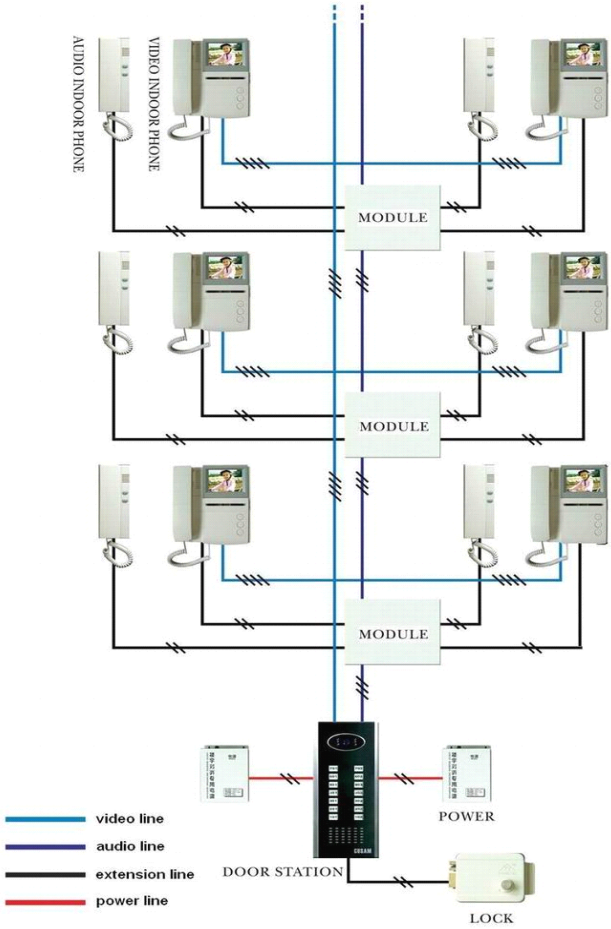
Ⅳ、Use Method

- Pressed the key of the room number you want.
- The extension telephone in the corresponding room and the door station sends the ringing sound at the same time, the outdoor station has the bell sound. The host pick up the phone and the ringing sound stops.

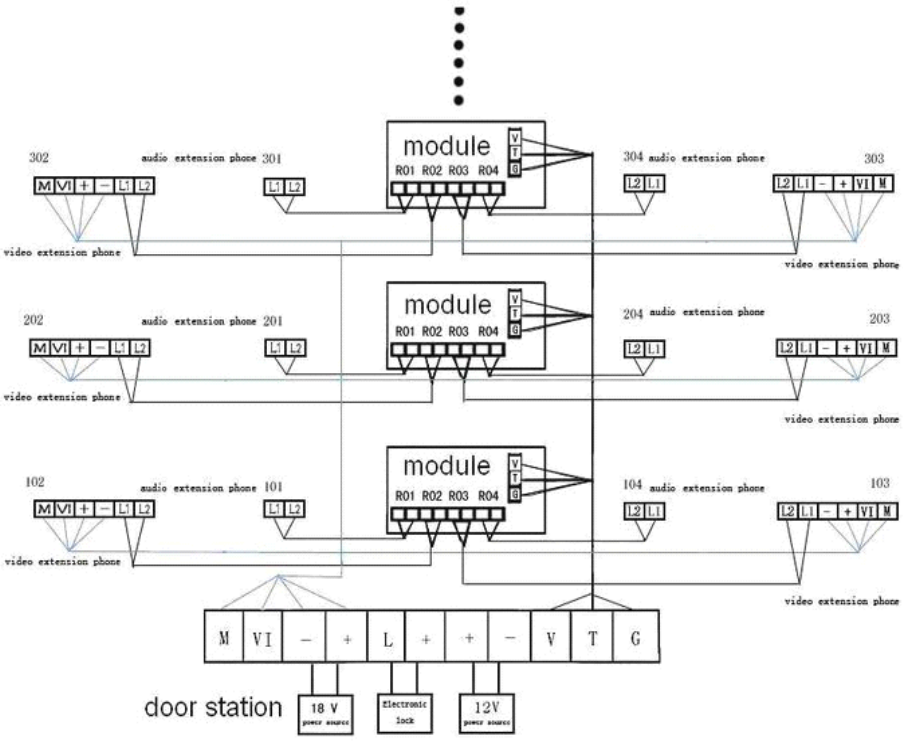
● If the host allows the visitor to enter in the gate, press the unlock button to open the door. After the visitor comes in the door, it'll close automatically .

V、System schematic and wiring diagram

ⅰ. System schematic diagram



ii、System wiring diagram



Ⅵ、Attentions

● The video and audio indoor extension phone can be used both in networking and non-networking system.It's good for non-networking upgrading to networking system.

● If the door station promotes to the networking system, then just replace the control chip of the non- networking door station

● The non- networking system promoting to the networking system needn't to change the wiring of the original unit, and the networking (networking system is called floor controller) and the non- networking system have the same wiring from the door station to the module and indoor phones.

★ The wiring request of non- visible partial

ⅰ、The section area should be bigger than 0.3mm^2 ,if the length of main line is less than 50M

ⅱ、The section area should be bigger than 0.5mm^2 ,if the length of main line is between 50M and 100M,

ⅲ、The section area should be bigger than 0.15mm^2 ,if the length of branch line is less than 20M,

ⅳ、The section area should be bigger than 0.3mm^2 ,if the length of branch line is between 20M and 50M,

v、 The wire that from the power source to the door station and door station to locks, the section area of which should be bigger than 0.5mm^2, and the length have t

★The possible problems if the wiring does not conform to the reques

i. If the section area of mian line or branch line is too slim, it may cause the indoor phones don't work when it is icked up or hanged off,and can't unlock the gate,or the low volume of indoor phones and things like that.

ii. If the section area of the wire that from power source to door station and door station to electronic lock is too slim. it may cause the indoor phone can't unlock the gate.

★The wiring request of visible partial：

i. Visible partial has two electric wires, one is for the surveillance requests (M), the other is for the video coaxial cable (vi). The system of video coaxial cable uses SYV75-3, and should pay attention that the outer layer shield cann't use as the wire to supply power, otherwise it possibly causes the power source undulation to interfere picture

ii.The section area should be bigger than 0.5mm^2 ,when the length of wire is less than 30M

- The section area should be bigger than 0.75mm^2, when the length of wire is less than 50M,
- The section area should be bigger than 1.0mm^2 ,when the length of wire is less than 80M,
- The section area should be bigger than 1.5mm^2 ,when the length of wire is more than 80M,
- General speaking,every 4 to 8 floors should add a power source for video, at this time,you can let up the section area of wire suitably.
- There is no special request for the section area of the wire for surveillance request.

★The unlock circuit of this machine mates to the ordinary electric controlled lock, if it mate to the electric lock driving by weak signal like magnetic force lock.,then it may causes to unlock by mistake.At this time you should connect a relay first,then use the connect of relay to drive the weak signal lock.