User Manual

VP-F701

VP-F703

4 2

4 2

4 2

VP-FA

VP-FA

Lock

Lock

4

2

2

4

VP-F720

VP-F006TA

4 2

4

VP-UPS

VP-690A14

black wire
brown wire

2
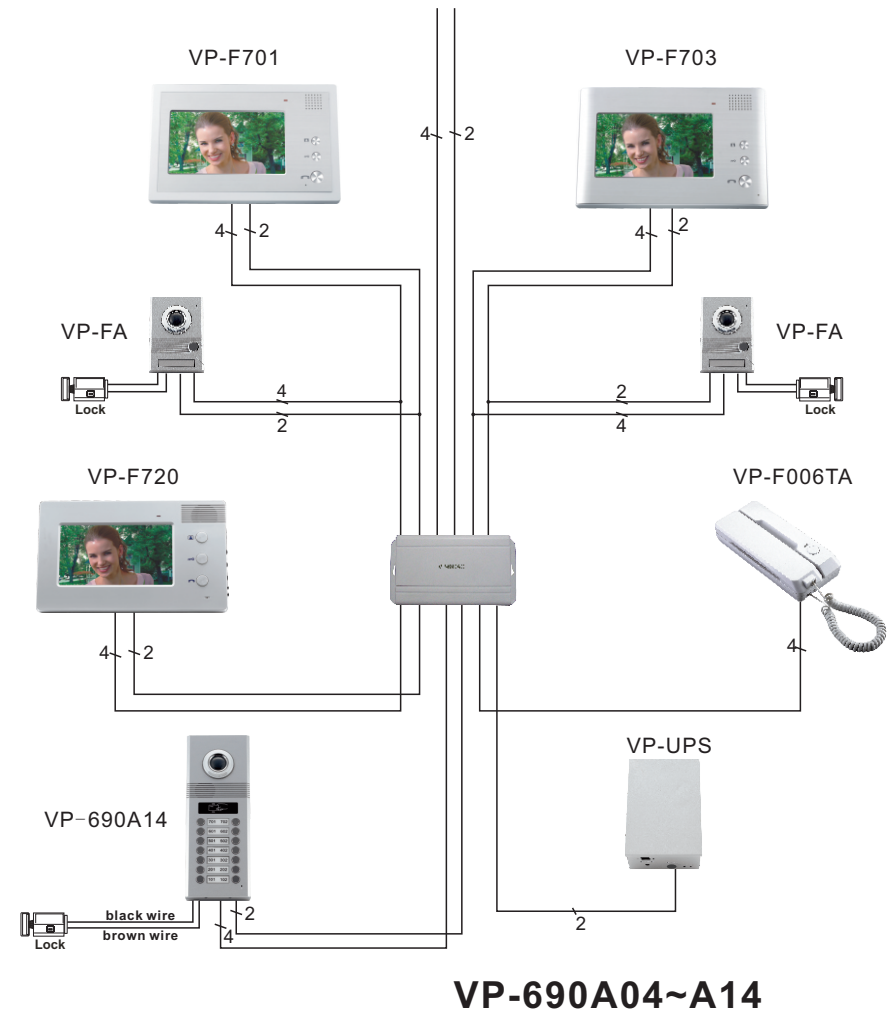
2

4

Lock

VP-690A04~A14

DIRECT CALL VIDEO DOORPHONE
FOR 4~14 APARTMENTS

CE RoHS

10. Accessories

● One outdoor camera   ● One power box   ● Screws
● Indoor monitors(Quantity according to users' requirement)
● Distributors(Quantity according to users' requirement)
● Secondary outdoor cameras(Quantity according to users' requirement)
● Brackets for indoor monitors(Quantity according to users' requirement)

11. Notices

1. Do not install the indoor monitor at high temperature, high humidity place or

near TV.

2. No touching the monitor screen with wet hands.

3. Please use only softcloth to clean the monitor screen or camera in

order to get a clear image.

4. Please avoid throwing or hitting the units.

5. Image could be illegible if the camera is shined by strong sunlight.
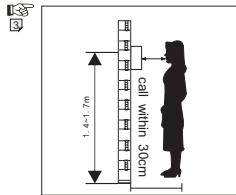
8. Outdoor Camera Installation
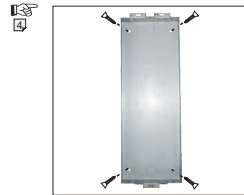

Picture One
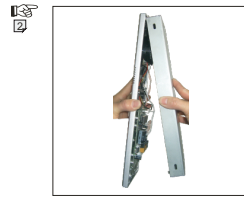
Picture Two

1. Use the screwdriver to take out the screws on the outdoor camera(Picture One). Separate the front and back cover from each other(Picture Two).
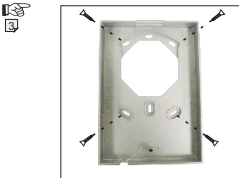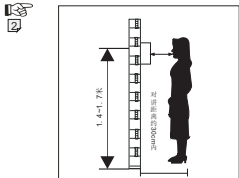

Picture Three

Picture Four

2. The outdoor camera should be better if it is flush mounted. First, dig a hole at a height of 1.4~1.7M with the hole size 310 ×110×25mm. Then fix the back cover in the hole and adjust camera handle to get the best picture effect. Make sure the outdoor station can avoid the direct sunlight（Picture Three and Four）.

9. Seconday Outdoor Camera Installation

1. Press the nameplate lightily and take it off.Then loosen off the screws and take off the back cover.

2. Install the outdoor camera at a height of 1.4m-1.7m,adjust the camera handle to get the best picture effect, and make sure the outdoor camera can avoid the direct sunlight.
3. Fix the bracket of the outdoor camera on the wall with screws.
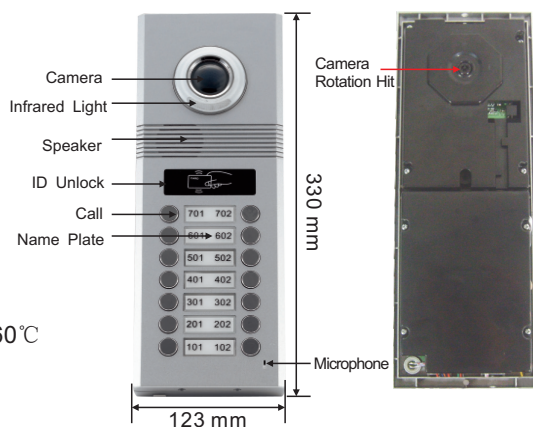4. Close the front cover, fix the screws and the name plate.

Contents

1. Features

1. Oxidation- proof and wearable aluminium alloy outdoor camera with angle adjustable in four directions: up, down, left and right.
2. TFT screen with low power consumption, no radiation and high definition.
3. Hands free communication. Monitoring the outside and night vision function.
4. Fourteen polyphonic melodies.
5. Music and talking volume adjustable.
6. Supporting 4, 6, 8, 10, 12, 14 apartments system.
7. 4 kinds of indoor monitors for selection.
8. Users can call the host directly through the house number button on outdoor camera.
9. Mix-installtion available, that is to say audio or video indoor station up to users' selection.
10. Non-stop power source, the storage battery can supply the system when the usual power is off.
11. Unlock button can be connected to the outdoor camera.

2. Outdoor Camera Description

Technical Data:

1. Working voltage: DC+18V
2. Woring current: <280mA
3. Quiescent current: <100mA
4. Minium illumination intensity: 0.1LUX
5. Communication time: About 65 Seconds
6. Working temperature: -20℃~60℃
7. Video output: 1VP-P. 75Ω
8. Visual angle: Adjustable
9. Installation: Flush mount or fix on metal door

1/3 CCD, black and white or color camera selectable, image resolution: 420TVL, automatic light-sensitive, button lighting at night

10. Product size: (H) 330 × (W) 123× (D) 44mm
Flush mount hole size: (H) 310× (W) 110× (D) 25mm

Camera
Infrared Light
Speaker
ID Unlock
Call
Name Plate
701 702
601 602
501 502
401 402
301 302
201 202
101 102
330 mm
Microphone
123 mm
Camera Rotation Hit

Microphone
Camera
Infrared Light
Speaker
Call
Name Plate

Camera Rotation Handle

Technical Data:

1. Working voltage: DC+18V
2. Working current: < 280mA
3. Quiescent current: < 50mA
4. Minium illumination intensity: 0. 1LUX
5. Communication time: About 65 seconds
6. Working temperature:-35℃~60℃
7. Video output:1VP-P. 75Ω
8. CCD camera with visual angle adjustable
9. Can be connected to electro-lock
10. Installation: surface mount or gate fix
1/3 CCD, black and white or color camera selectable, picture resolution:420 TVL, automatic light-sensitive, button lighting at night
11. Product size: (H) 112 × (W) 158× (D) 38mm

Operation:

Pressing the CALL and the host can see outside. Pressing the TALK, host can talk with visitors. When talking, pressing the UNLOCK to open the door. When there is no answer from indoor monitor, the ringback will be heard.

7. Indoor Monitor Installation
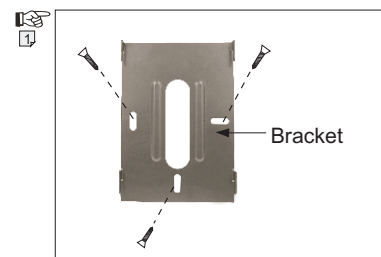
Bracket
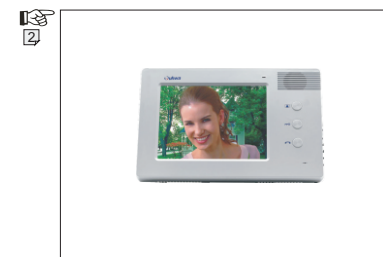
（Picture One）

（Picture Two）

1. Fix the bracket of the video indoor monitor on the wall with screws (Picture One).
2. Hang the monitor on the bracket after finishing the wire connection. Plug the enclosed adapter into the sockets and connect the monitor (Picture Two).

Call and Unlock

If one user on line, press UNLOCK button, and " DU DU " sound will be heard
twice from indoor unit.

When visitor press the CALL, the indoor unit will ring and the visitor's image
will be displayed. The host can answer the outdoor unit and talk with the visitor
for 65 seconds after pressing the TALK. Press the TALK again to exit at any time.
Press the UNLOCK to open the door and image will be close automatically
after 2 seconds.

In initial state, press the MONITOR to monitor the outside. The image can lasts
for 65 seconds. Press the TALK to talk with the visitor and press again to exit.

Setting of Room No.:

Setting of Room No.:

1. Disconnect the system power supply, and then reconnect.

2. Keep pressing the UNLOCK button on indoor monitor until a sound BI is heard
after 2 or 3 seconds

3. Then press the button with correct room number on the outdoor station, and
the relevant indoor monitor will ring. This means, room no. setting is finished.
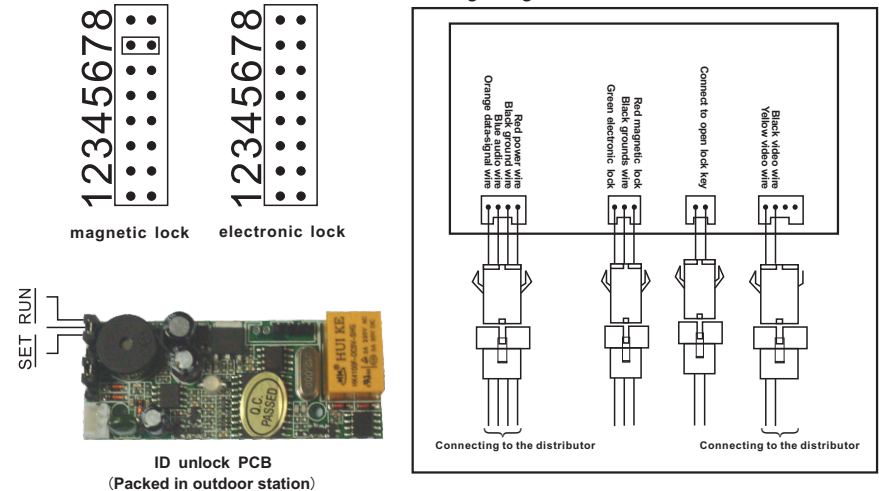
Adjustment:

1. Press MONITOR on , music and ring volume can be adjusted through
music switch.

2. Brightness, chroma, talking volume can also be adjusted through
corresponding switch.

3. VP-F820 adjustment: After pressing the 1, 2, 3, 4 function buttons, monitor
would display BRIGHT, CONTRAST, COLOR,
and LD. User can adjust the picture brightness,
contrast, chroma, and rotation by plus or minus
button.

4. In order to reach the best picture result, please
take off the protective coating of screen.

If you want to set a secondary outdoor station,
please choose main gate or secondary gate
for monitoring on the mainboard of the floor
distributor. For setting details, please refer
to floor distributor instructions.

The option of electronic lock and magnetic lock: when the products just be finished
in the factory, the way of unlocking is electronic（power for lock）.If you want to use
the magnetic lock, just need to keep the connection 7 in short circuit.

Wiring diagram：

magnetic lock   electronic lock

SET RUN

ID unlock PCB
（Packed in outdoor station）

Connecting to the distributor   Connecting to the distributor

ID Function Instruction

1. The kit includes three cards. If need more user cards, please do according to
following steps:

Firstly, use the adding card to touch the ID card touching zone of the outdoor station.
Secondly, use the user card to touch the same area.
Thirdly, use the adding card to touch the same area. Then the new user card is
added successfully. At most 100 user cards can be added.

2. If need to delete any user cards, please do according to following steps:

Firstly, use the delete card to touch the ID card touching zone of the outdoor station.
Secondly, use the user card to touch the same area.
Thirdly, use the deleting card touching the same area. Then the user card is deleted
successfully.

3. The adding card and deleting card are set well already. If the user lost the
adding card or deleting card, he or she can re-program a new setting by doing
following steps:

Firstly, open the back cover of outdoor station.
Secondly, please turn off the power, and let the ID unlock PCB jumper wire to
be SET condition.
Thirdly, turn on the power, and use two ID card to touch
the ID card touching zone of the outdoor station
accordingly. If there is a long ring sound after the
second ID card touching, the re-setting is successfully.
Fourthly, turn off the power, let the jumper wire to be
RUN condition. The first ID card will be adding
card, and the second will be deleting card.

3. Indoor Monitor Description

Power Indicator Light — Speaker

Monitor
Unlock
Talk
Microphone

VP-F701 Indoor Monitor

Power Indicator Light — Speaker

Monitor
Unlock
Talk
Microphone

VP-F703 Indoor Monitor

Power Indicator Light — Speaker

Monitor
Unlock
Talk
Microphone

VP-F720 Indoor Monitor

Power Indicator Light — Speaker

Monitor
Unlock
Talk
Microphone

VP-F820 Indoor Monitor

Technical Data:

1. Talking last time：65s ± 10%

2. Monitoring last time:65s ± 10%

3. Screen:7 inch TFT / 8 Inch digital

4. Audio frequency non- distortion power: ≥ 50mW

5. Frequency responds to:300~3400Hz±3dB

6. Working voltage: DC 18V

7. Working temperature:-10℃~40℃

8. Relative humidity:10%-90%（RH）

9. Installation way: wall surface mount.

10. Indoor monitor dimension:

VP-820: 275（W）×180(H)×22(D)mm

VP-720: 255（W）×154(H)×18. 5(D)mm

VP-701, 703: 255（W）×165(H)×29(D)mm

Audio Phone — Unlock

Chroma Adjuster
Brightness Adjuster
Talking Volume Adjuster
Volume Button
Music Selection

VP- F701/ 703 Indoor Monitor

18. 5mm

Chroma Adjuster
Brightness Adjuster
Talking Volume Adjuster
Volume Button
Music Selection

VP- F720 indoor Monitor

22 mm

Talking Volume Adjuster
+
Menu Key
−
Volume Button
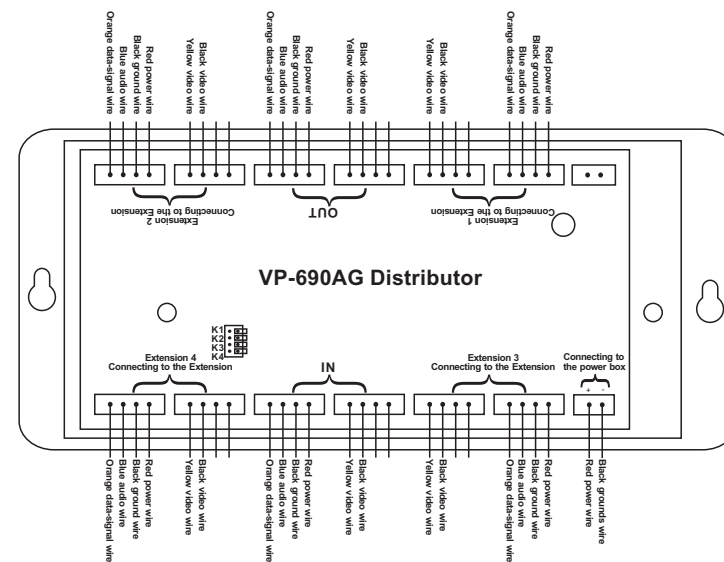Music Selection

VP- F820 indoor Monitor

---

can only cause the disfunction of the relevant unit. The others can still work normally. When the short circuit is corrected, the affected unit will work normally again.

Technical Data:
1. Working voltage: DC+18V
2. Working current: < 20mA
3. Quiescent current: < 50mA
4. Working temperature: - 10℃ ～ 50℃
5. Distributor size: 157（W）×83（H）×31（D）mm

VP-690AG

Usage:
1. Each distributor is connected with main wires, which are composed of 4-core sheath cable and video cable. As following diagram shows, IN is connected with input main wires from outdoor unit or the previous distributor, whereas OUT is connected with output main wires for next distributor. (Remarks: 4-core sheath cable includes red power wire, black ground wire, blue audio wire and orange data-signal wire; video cable includes black video wire and yellow video wire.)
2. The distributor can be connected with 4 indoor monitors. Connection terminals are shown in the following wiring diagram, extension 1 to 4.
3. K1, K2, K3 and K4 are the secondary outdoor station setups for indoor monitors 1, 2, 3 and 4 respectively. When jumper terminal is connected, indoor monitor will get video signal from the secondary outdoor station; while disconnected, it will be from the first general outdoor station.

VP-690AG Distributor

Extension 2 Connecting to the Extension
OUT
Extension 1 Connecting to the Extension

K1
K2
K3
K4

Extension 4 Connecting to the Extension
IN
Extension 3 Connecting to the Extension
Connecting to the power box

5. Power Box Description

Technical Data:
Output voltage: AC220V+10%
Input voltage: DC 18V+10%
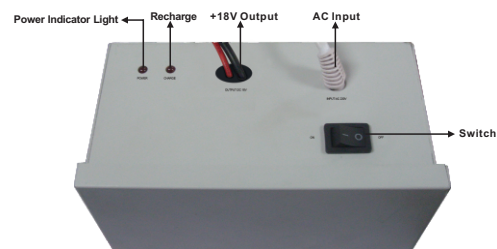Working temperature: -35℃~60℃
Working humidity: ＜90%
Wire hole diameter: 20mm
Reserve power battery capacity:
6V/Ah×3（not included）
Maximum output current: 2A
Box size: 255×164×85mm
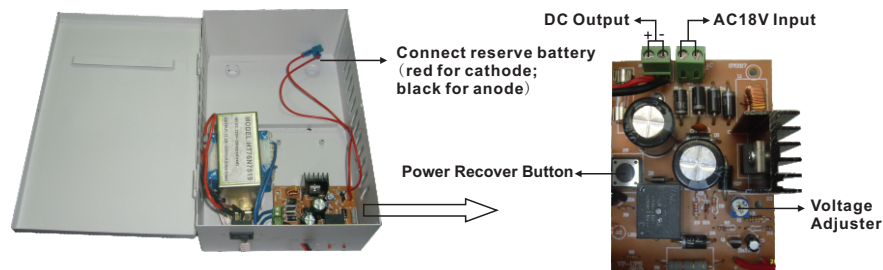Installation type: wall surface mount
Usage:
Fix the power box in suitable place and connect it to mains
supply. The indicator light should be lighted. Then cut off mains supply
and make loading wires well connected to each other part; before turn
on the reserve battery and mains supply, be sure all the loading wires
well connected. Output power is DC 18V and can be adjustable.
Notice: It is suggested that the users install the reserve battery before use.
If the power box does not work normally in case of power cut-off, please
press the recover button on the PCB in power box (see following right
picture). To prolong the working time, there is only audio communication
function after power is cut off. Video unavailable.

Power Indicator Light ← Recharge +18V Output AC Input
→ Switch

DC Output ← → AC18V Input
Connect reserve battery
（red for cathode;
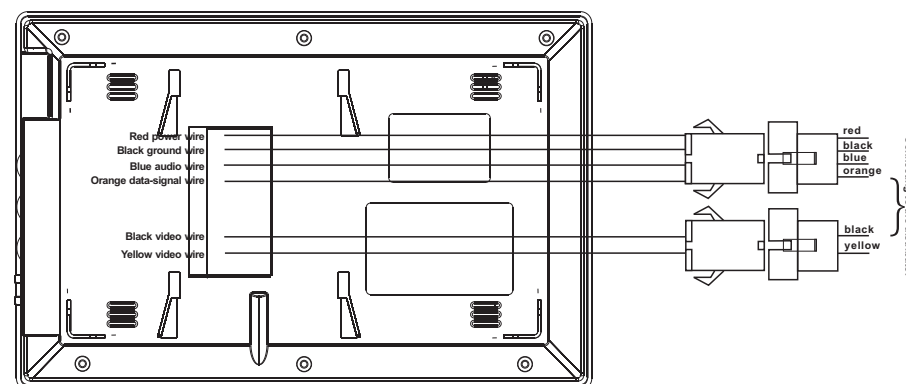black for anode）
Power Recover Button ←
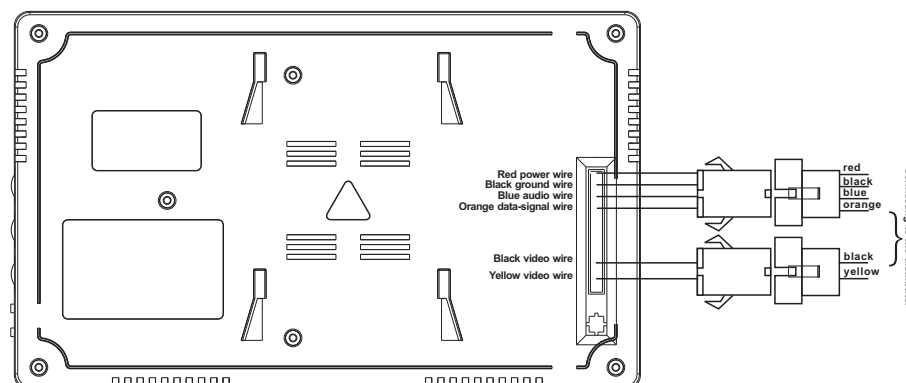→ Voltage Adjuster

6. Distributor Description

In building intercom system, distributor is used to avoid the signal interference
among each unit. If one unit is in short circuit because of wrong installation,
the other users can use their video door phones normally. The short circuit

Specifications / Model / Parameter	7 Inch	8 Inch
Screen Size（Inch）	7. 0	8. 0
Resolution（Dot）	480×3×234	800×3×600
Active Area（mm）	154. 1（H）X86. 58（V）	162. 0（H）X121. 5（V）
Dot Pitch（mm）	0. 107（W）X0. 37（H）	0. 2025（W）X0. 2025（H）
Outline Dimension（mm）	169. 4（W）X100（H）X5. 7（D）	183（W）X141（H）X6. 3（D）

VP-F701/ F703 Wiring Diagram

Red power wire
Black ground wire
Blue audio wire
Orange data-signal wire

Black video wire
Yellow video wire

red
black
blue
orange

black
yellow

Connecting to the distributor

VP-F720/ F820 Wiring Diagram

Red power wire
Black ground wire
Blue audio wire
Orange data-signal wire

Black video wire
Yellow video wire

red
black
blue
orange

black
yellow

Connecting to the distributor

Connecting to the distributor

indoor monitor

indoor monitor

VP-FA

VP-FA

Secondary Outdoor Station

Secondary Outdoor Station

Lock

Lock

VP-690AG Distributor

indoor monitor

Indoor Audio Unit

Cable requirement:

Main cable:RVV4X0.5

Main video cable:75-5

Cable connected with indoor unit:RVV4X0.5

Video cable connected with indoor unit:75-3

VP-690(A04~A14)

magnetic lock

Lock

VP-UPS