

KCV-T701SM MANUAL

[7" Digital Color LCD Videophone]

AHD CCTV Compatible
GUI Full Touch Videophone

- 7" Digital LCD Screen (NTSC/PAL)
- Simple and Convenient UI & Full Capacitive screen
- Compatible with 1080p (FHD) AHD CCTV (TVI, AHD, CVI)
- Auto still image capture (Max 32 cuts) Door Camera
- Connection up to 2 Door Cameras and 4 Monitors with Sub-interphone (KIP-32G)
- Overall or individual calling available
- Multifamily, Apartment application (KLP-C420 SYSTEM)

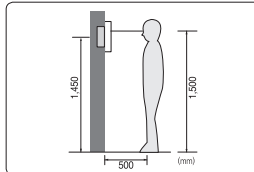


KOCOM CO., LTD

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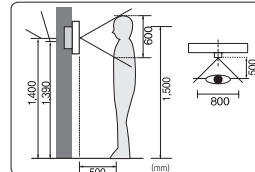
Installation Location

■ Monitor installation location



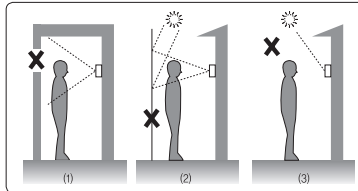
Recommended installation height is about 1,500mm where screen center is at eye level. In this case, wall-hanging metal center (center of piping) is 1,450mm above ground level.

■ Camera installation location



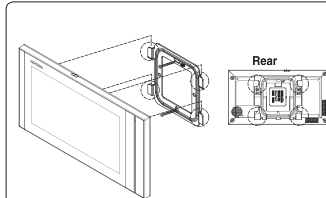
Recommended installation height of door camera is where lens is about 1,400mm above the floor. In this case, camera slack center (Buried box) is above 1,390mm above ground level.

■ Caution of camera installation



- Avoid installing camera exposed to direct sunlight or lights.
- Back light or shadow on visitor's face may occur difficult recognition.
- Avoid installing camera in places such as the following picture.
 - (1) Place illuminating sky as background
 - (2) Place with white wall reflecting direct ray of light
 - (3) Place with direct ray of light

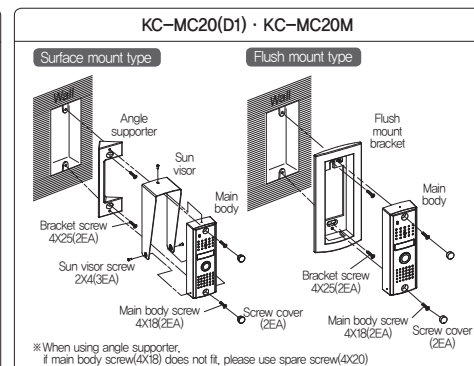
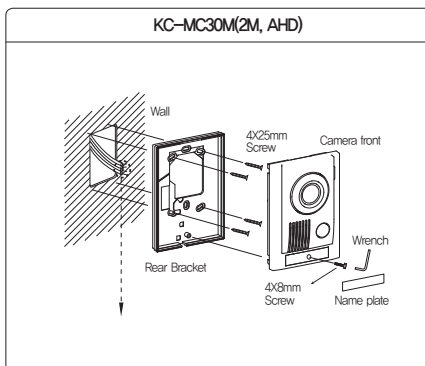
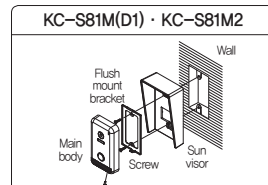
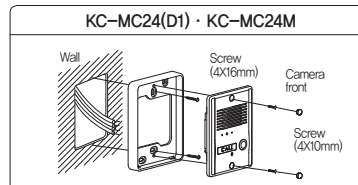
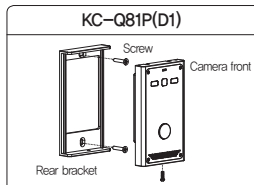
■ Monitor installation



- Directly connecting cut-off power cord with power wire
- 1) Personal electrical work must be avoided. Please find local installer or electrician for installation.
 - 2) power cords must be insulated with insulation tape after the work.
[Exposed wires may cause fire or electric shock.]
 - 3) Highly recommend to cut main power supply off before electrical work.

- 1) Remove metal wall hanger bracket behind monitor.
- 2) Install metal wall hanger bracket on 1 type box or wall with attached screw.
- 3) Connect wiring to monitor back terminal referring to product connection diagram.
- 4) Hang monitor on metal wall hanger bracket.
- 5) Test the product status if the monitor is both plugged in and switched on.

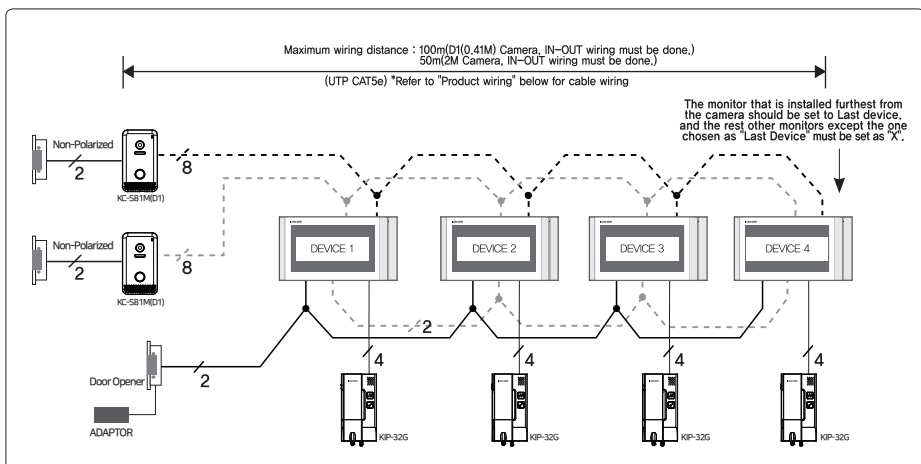
■ Door camera installation



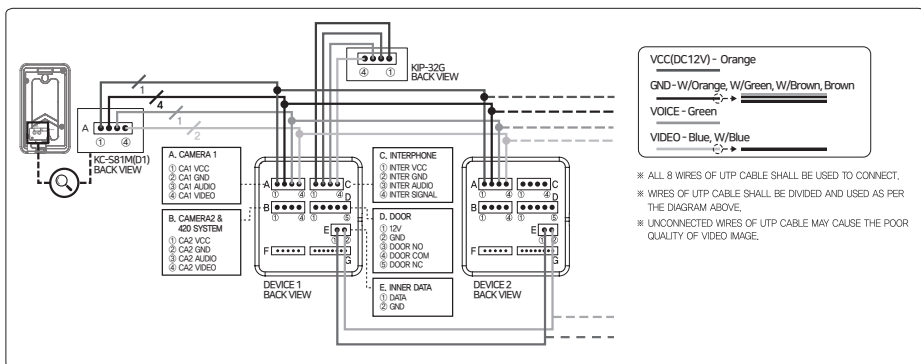
※ After fix the rear bracket with 4 screw, put the Door Camera into the grooves of rear bracket, and then fix it with hexagon screws and stick the finishing materials.

Product Wiring Diagram

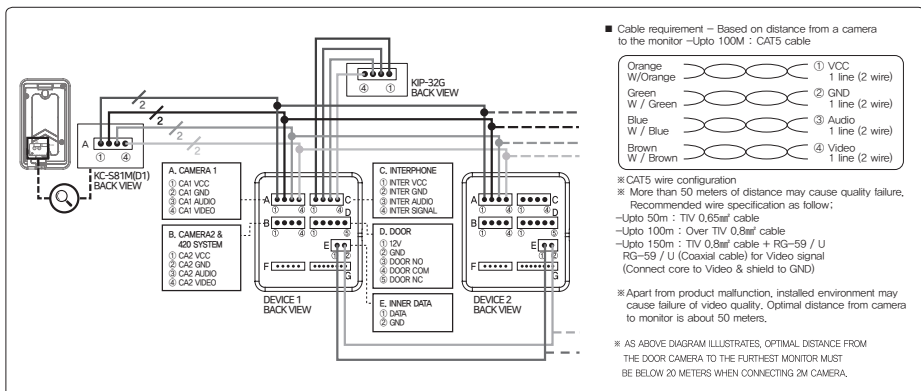
■ Camera mode diagram



■ 2M Door camera

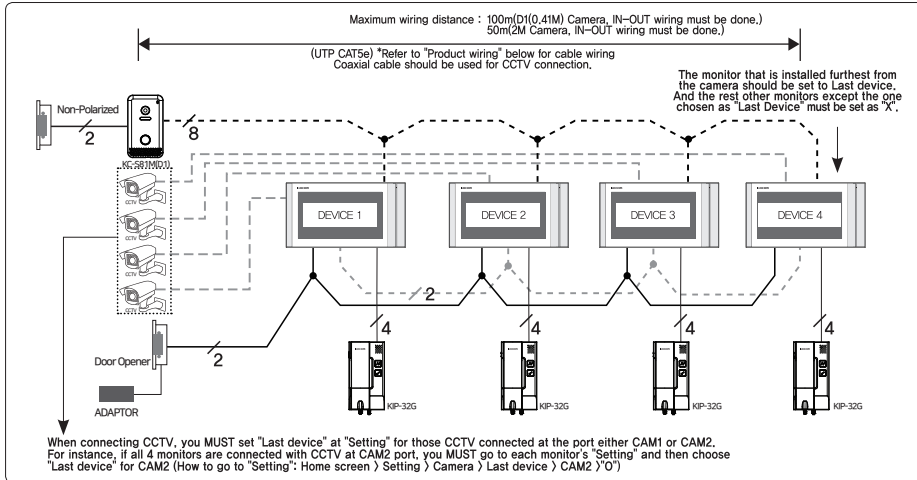


■ D1(0.41M) Door Camera

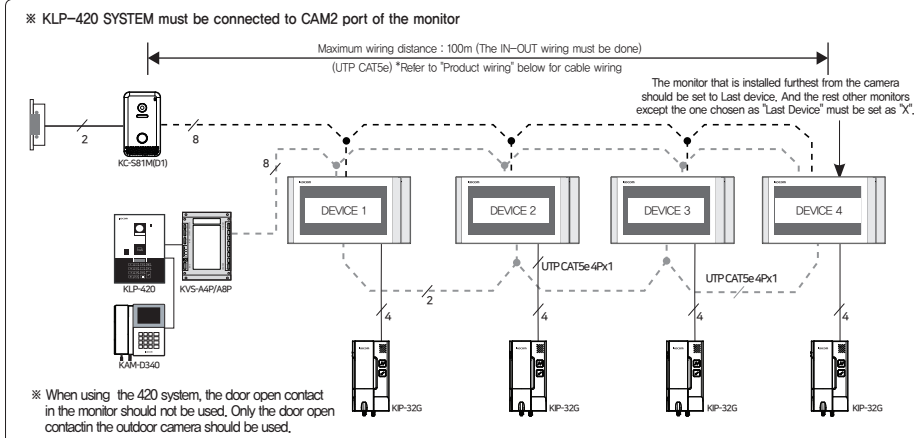


Product Wiring Diagram

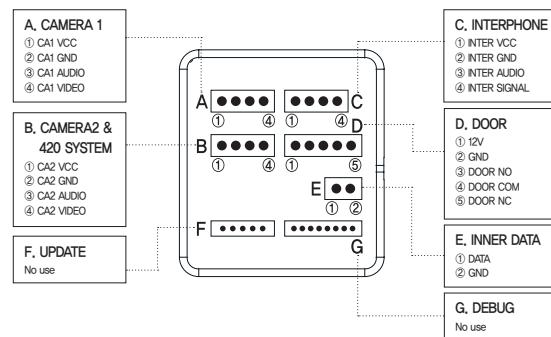
■ CCTV mode diagram



■ System mode diagram

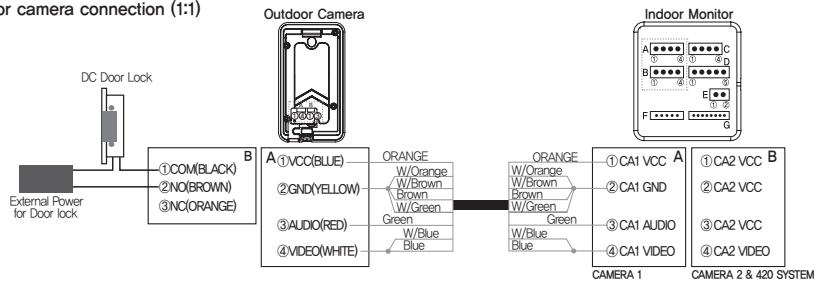


■ Terminal



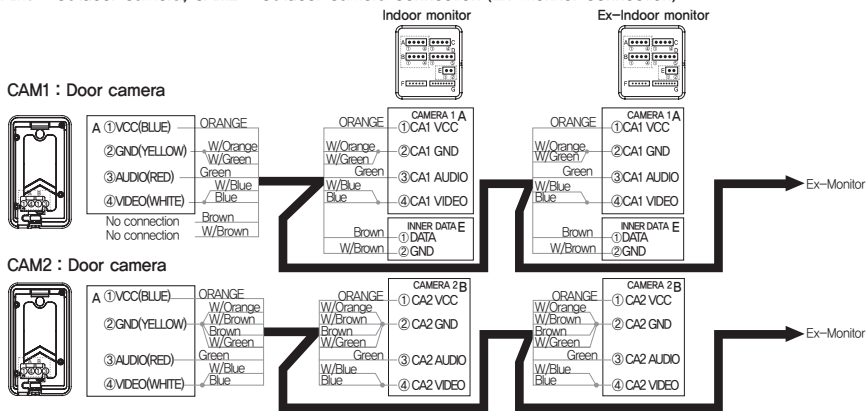
Product Wiring

■ Door camera connection (1:1)



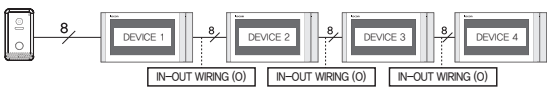
- ※ Door opener connected to the outdoor camera is available to be opened by each connected monitor separately.
- ※ Please select NO or NC according to the specification of the door opener.
(You can check door opener's specification and it'll tell whether it's NO type or NC type.)

■ CAM1 – Outdoor Camera, CAM2 – Outdoor Camera Connection (Ex-monitor Connection)



- ※ CAT5 wire configuration
- ※ UTP CAT5e : The resistance of 100m of cable should be 10 ohms or less.
- ※ More than 50 meters of distance may cause quality failure. Recommended wire specification as follow.
– Upto 50m : TIV 0.65mm² cable
– Upto 100m : Over TIV 0.8mm² cable
– Upto 150m : TIV 0.8mm² cable + RG-59 / U RG-59 / U (Coaxial cable) for Video signal (Connect core to Video & shield to GND)
- ※ Apart from product malfunction, installed environment may cause failure of video quality.
Optimal distance from camera to monitor is about 50 meters.
- ※ If the video quality is poor during the call between the door camera and the device,
Please check this set value of last device. (Set > Camera > Last device)

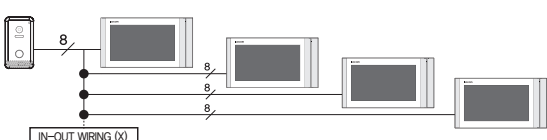
Correct wiring



The monitor that is installed furthest from the camera should be set to Last device. Refer to the page 20 for setting and the rest other monitors except the one chosen as "Last device" must be set as "X".

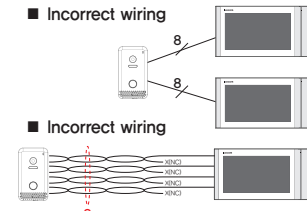
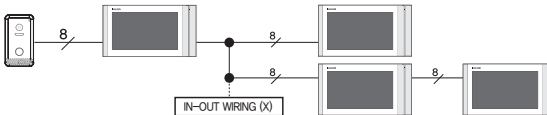
– Camera / Device connection must be IN-OUT wiring

■ Incorrect wiring



※The installation as shown picture (incorrect wiring) on the below left hand side may cause the shorten distance of wiring and poor quality of video image. Please be cautious and avoid to install the products as shown incorrect wiring.

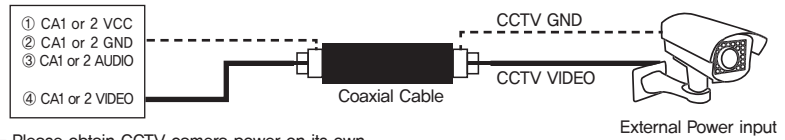
■ Incorrect wiring



Product Wiring

■ CCTV Camera connection (CAMERA 1,2 Port)

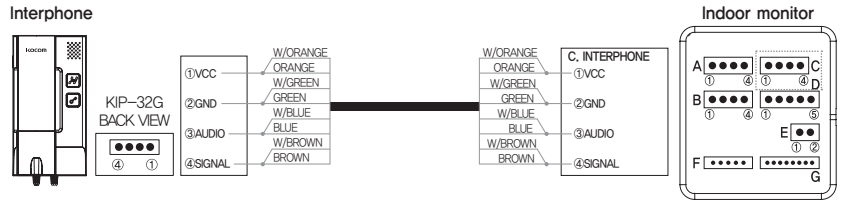
MONITOR CA1 or CA2



- Please obtain CCTV camera power on its own.
- Only compatible with 1080p/720p AHD (CCTV, TVI ,CVI) camera.
- Use Coaxial Cable for CCTV connection.
- Using UTP Cable might lead to lower video resolution or no video output.
- Upon initial monitoring, video trembling may occur due to automatic video recognition.

- ※ UTP CAT5e : The resistance of 100m of cable should be 10 ohms or less.
- ※ More than 50 meters of distance may cause quality failure. Recommended wire specification as follow.
– Upto 50m : UTP CAT5e
– Upto 100m : Coaxial cable (RG-59)
(Connect core to Video & shield to GND)

■ Interphone connection (Connection for from Interphone to Indoor monitor when using 1 UTP cable)



KCV-T701SM How to Operate

※ Cautions Before Using the Device

Please follow following steps before using the device.

1. DEVICE ID

- When extending additional monitors, each ID must be set. ID collision may cause malfunction.
- In case of ID collision, "ID collision" may be shown at the top of its screen.
- How to Set: Home Screen > Setting > GENERAL > Device ID

2. Last Device

- After additional monitors extension, the last monitor far away from the outdoor camera must be set "O" at the menu "Last device" In case of wrong setting, automatic image detection or image quality may be poor.
- How to Set: Home Screen > Setting > CAMERA > Last device > Cam1 / Cam2 > O

3. CCTV

- When using CCTV, please select "CCTV" at the "Camera" setting.
- How to Set: Home Screen > Setting > CAMERA > Use as > CAM1/CAM2 > CCTV
- Some CCTV may have compatibility issues, so the image won't be displayed well.
- For those monitors connected CCTV, you MUST go the setting and then choose "Last device".
- How to Set: Home Screen > Setting > CAMERA > Last device > Cam1/Cam2 > O

4. 420System

- When using 420System, please select "420System" at the "Camera" setting.
- How to Set: Home Screen > Setting > CAMERA > Use as > CAM2 > 420System NTSC/PAL
- 420System is only available at CAM2 port (Refer to page 7)

5. Video AUTO Detection

- Depending on the condition, image at the door camera or CCTV may not be automatically detected
- In this case, we recommend to use "Manual" at the below described steps.
- How to Set: Home Screen > Setting > CAMERA > Image Format > CAM1/CAM2 > Please select image format that best fits to your condition.

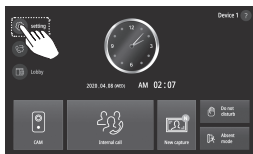
6. Capture Function

- When "Capture" function operates, image saving is in progress in the internal memory. In case of the device's power gets turned off, the image cannot be saved. In case of the worst situation, the stored images will be all deleted. In case of these issues, previous stored images cannot be restored.

7. Save Settings Value Feature

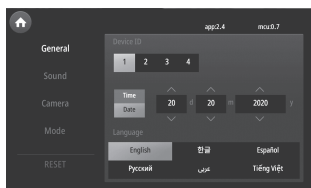
- When the device gets turned off while saving is in progress, all setting will be initialised.
- In case you need to turn off the device, move to home screen UI and turn off after 4 secs.

Setting Menu Screen



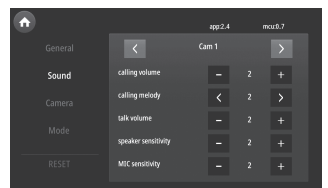
Home screen > By pressing setting button, it will move to setting menu screen

① General



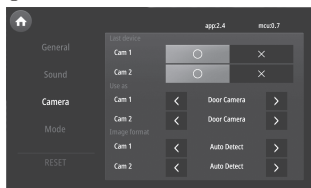
Device ID : Setting monitor's ID
Time Setting : System time setting
Date Setting : System date setting
Language : System language setting

② Sound



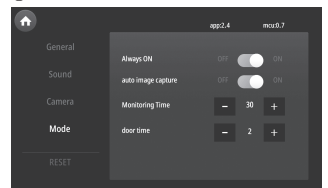
Sound item : Cam1, Cam2, Lobby, Guard, Device, Interphone
Calling volume : 1~9, **Calling melody** : 1~6, **Talk volume** : 1~3
Speaker sensitivity : 1~2 (Highly recommend to use in default)
MIC sensitivity : 1~2 (Highly recommend to use in default)

③ Camera



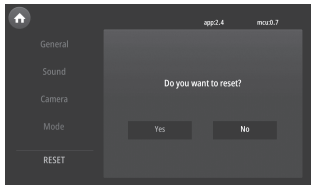
Last device (If the device is far away from the outdoor camera, then select "O") and the rest other monitors except the one chosen as "Last device" must be set as "X". If using CCTV, then select "O".
Use as
: Door Camera, CCTV, 420system NTSC (Lobby NTSC image, for Guard function), 420system PAL (Lobby PAL image, for Guard function)
Image format
: Auto Detect (Image Signal Automatic Detection)
: Door camera image format (NTSC, PAL, AHD 1080p/25, AHD 1080p/30)
: Manual NTSC (In case of wrong selection in manual detection, black colour background or abnormal image will be displayed from the LCD screen)
: Manual PAL (We recommend to use manual detection as automatic detection may malfunction depending on the conditions)
CCTV Image format
: Manual AHD 720P/30 : Manual TVI 720P/30 : Manual CVI 720P/30
: Manual AHD 720P/25 : Manual TVI 720P/25 : Manual CVI 720P/25
: Manual AHD 1080P/30 : Manual TVI 1080P/30 : Manual CVI 1080P/30
: Manual AHD 1080P/25 : Manual TVI 1080P/25 : Manual CVI 1080P/25

④ Mode



Always on
: (User mode: OFF) LCD's afterimage will be happen when you select "ON"
When you avail "always mode", LCD screen is always on. This is for the special usage such as exhibition and so on. Your usage of this mode could lead to shortened life time of product. There might be possible afterimage on display due to continuously activated display. We, Kocom, is not responsible for possible problem due to this mode and usage.
Auto capture
: When you select "ON", automatic screen capture available as per visitor's call
Monitoring time
: You can select 30 sec, 60 sec, 120 sec, or 180 sec (The default time for monitoring lobby is fixed as 30 seconds. You can extend as above selections.)
door time
: Door open time is during 0.2sec, 1~9sec

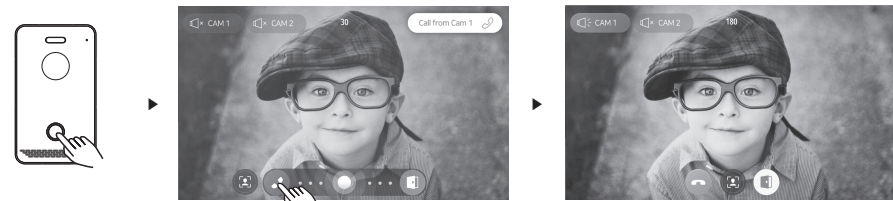
⑤ Reset



When you select "YES", then factory mode will be activated (Except selected language)

Calling From Outdoor Camera and Door Open and Door Open

When calling from the outdoor camera, you can see the image of visitors, make a call, and open the door.



Press the call button to make a call.

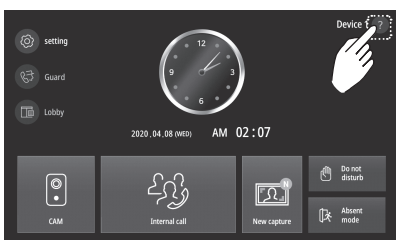
When calling to the monitor, you will see visitor's image. Press call button, then calling with visitor can be functioned. After pressing door open button, door opens right away. After door opening, calling will be automatically off after 5 secs. (Calling time : 30 secs) (Door opening time : Default 2 secs, you can change at the "Settings")

When pressing OFF button while talking with visitors, calling will be OFF. Press door open button then you can open the door. (Talking time : 180 secs) (Door opening time : Default 2 seconds, you can change at the "Settings")

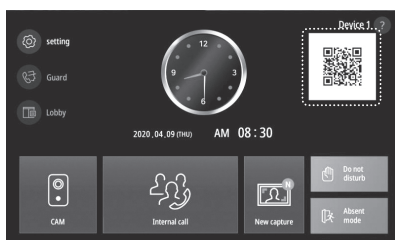
※ Caution

- In case of extended monitors and interphones, all of the devices will receive at once when calling from the outdoor camera.
If one device gets connected, the rest will be automatically off.

QR Code



Press Help button from the home screen, Manual QR code appears.



Take a QR code and check the manual.



Take a QR CODE and check the manual ▶