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-
- Thank you for purchasing COMMAX products.
 - Please carefully read this User' s Guide (in particular, precautions for safety) before using a product and follow instructions to use a product exactly.
 - The company is not responsible for any safety accidents caused by abnormal operation of the product.

1 Before you use



Safety Warning & Caution



Warning

It may cause a serious damage or injury if violated.



Caution

It may cause a minor damage or injury if violated.



Prohibition.



No disassembly



No touch



Must follow strictly.



Shows plugging out the power cord without an exception



Shows the warning and caution for an electric shock.



Shows the warning and caution for a fire.



Warning

Power & Installation

Please don't use several products at the same time on one power socket.

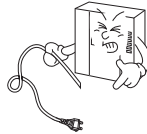
- It may cause a fire due to an abnormal overheating.



Prohibition Fire

Please don't bend the power cable excessively or it may cause an electric shock.

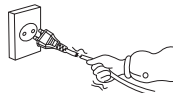
- fire when using a damaged power cable.



Prohibition Electric shock Fire

Please don't handle the power cable with a wet hand.

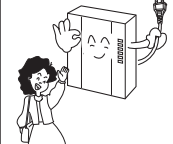
- It may cause an electric shock.



Prohibition Fire

Please plug out the power cable from the socket when not using it for a long period of time.

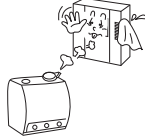
- It may shorten the product lifespan or cause a fire.



Request Fire

Please don't install the product in the place where there is much oil, smoke or humidity.

- It may cause an electric shock or fire.



Prohibition Electric shock Fire

Please don't install the product with the lightning and thunder.

- It may cause an electric shock or fire.



Prohibition Electric shock Fire

Please don't use and connect this product with other products with different rated voltage.

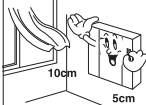
- It may cause a disorder or fire.



Prohibition Fire

When installing the product that generates heat, please install the product away from the wall (10cm) for the ventilation.

- It may cause a fire due to the increased internal temperature.



Prohibition Fire

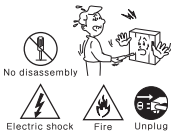
Please follow the things described below in order to prevent any danger or property damage.

Warning

Cleaning & Use

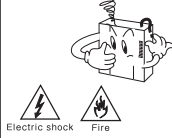
Please don't disassemble, repair or rebuild this product arbitrarily (please contact the service center if a repair is needed).

- It may cause an electric shock or fire.



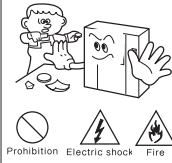
If an abnormal sound, burning smell or smoke is coming out of the product, please plug out the power cable and contact a service center.

- It may cause an electric shock or fire.



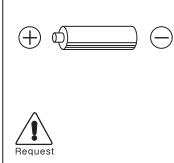
Please don't insert any metallic or burnable materials into the ventilation hole.

- It may cause an electric shock or fire.



Please use only the designated batteries for the products of using DC power.

- It may cause an electric shock or fire.

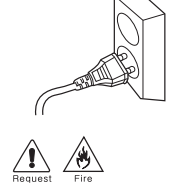


Caution

Power & Installation

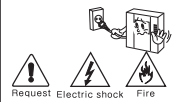
Please plug the power cable firmly into the inner end

- It may cause a fire.



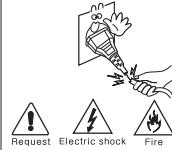
Please hold the plug tightly when unplugging the power cable (a part of the copper wire may be disconnected if the grabbing is only made on the cord when pulling out the cable).

- It may cause an electric shock or fire.



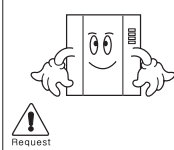
When connecting the power cables after cutting the cable, please install the product with power off

- It may cause an electric shock or fire

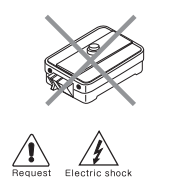


When installing the product, please fix it firmly while using the wall-mounting unit and screws.

- It may cause an injury from the falling object.



Please be careful when using an AC circuit breaker since there is a possibility of an electric shock.



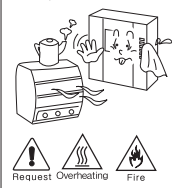
Please check the use voltage and current for the DC-only products and use the appropriate rectifier.

- It may cause a fire.



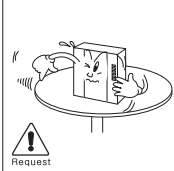
Please avoid direct rays of the sun or heating devices at a time of installation.

- It may cause a fire.



Please don't install the product on an unstable place or small support board.

- It may cause an injury if it falls down while in use.



Cleaning & Use

When cleaning the product, please rub it with a soft and dry cloth after plugging out the power cable. (Please don't use any chemical products such as wax, benzene, alcohol or cleanser.)



Please don't drop the product on the ground and don't apply a shock.

- It may cause a failure.



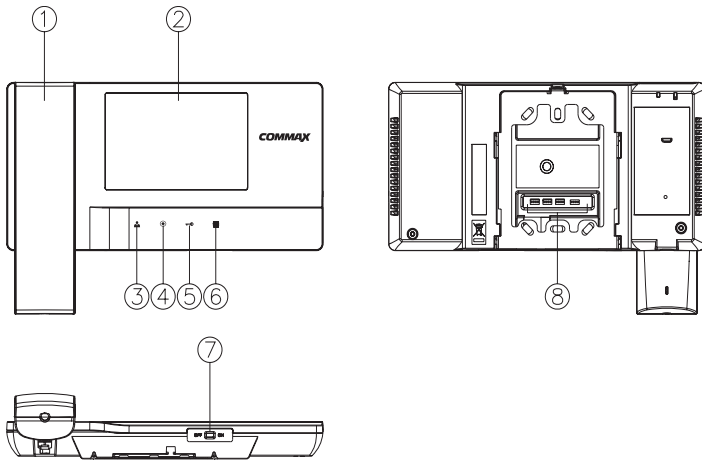
Please use the designated connection cable within the maximum calling distance designated for the product

- It may reduce the product performance.





Part names and functions



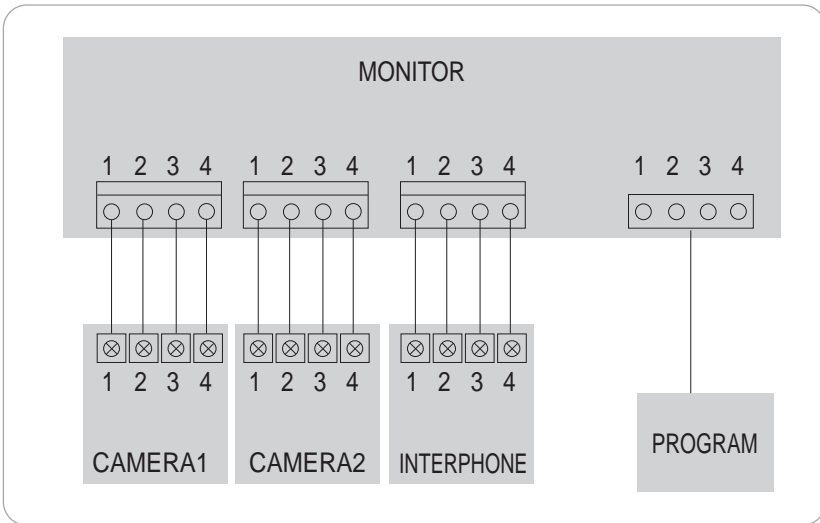
No.	Part name	Description
1	Handset	Handset receiver
2	LCD Screen	Image from door camera is shown through this screen.
3	Monitor button	Press this button to see the image from door camera.
4	Interphone button	① To call interphone by picking up the handset / DOWN button and pressing this button. ② To adjust BRIGHT / CONT / COLOR of image. (When the screen is on.) ③ To adjust the volume of calling sound. (Standby status)
5	Door release button / UP button	① To release the door, while talking with door camera. ② To adjusting BRIGHT / CONT / COLOR of image. (When the screen is on) ③ To adjust the volume of calling sound. (Standby status)

No.	Part name	Description
6	Menu button	Use this in order to change the setting value. ① Calling sound adjustment ② Change of image setting
7	Power switch	ON/OFF switch
8	Terminals for exterior equipment and Program.	Camera / Interphone connection and program update terminal



Wiring

- Wiring for this equipment is as follows
CAMERA CONNECTOR POLARITY
1. RED : VOICE 2. BLUE : GND 3. YELLOW : POWER(+12V)
4. WHITE : VIDEO

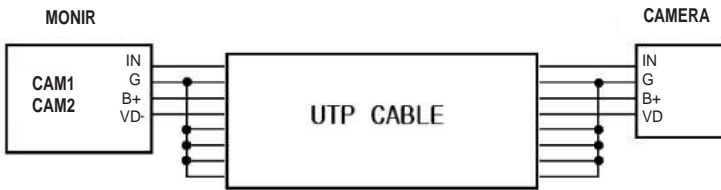


- ⓘ When adding a second monitor, visual and audio quality of video may deteriorate
- ⓘ When using UTP CABLE[CAT.5] for better image quality, connect the rest 4 lines to GND after connecting 4 lines with monitor and camera.

⚠ Wiring precautions

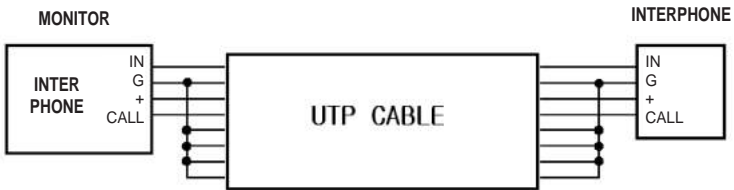
- ☞ Each device should be connected by separated cables.
- To use CAMERA 1, CAMERA 2 and interphone using UTP CABLE[CAT.5], 3 lines of UTP cable are required.

■ DOOR Camera Wiring



- ☞ When using UTP CABLE[CAT.5] for better image quality, connect the rest 4 lines to GND after connecting 4 lines with monitor and camera.

■ INTERPHONE Wiring



- ☞ When using UTP CABLE[CAT.5] for better image quality, connect the rest 4 lines to GND after connecting 4 lines with monitor and interphone.



2 How to use this product



Call from the visitor

- ① When the visitor calls from the entrance(door camera), the calling sound rings and the image of the visitor is shown on LCD screen.
- ② By picking up the handset, you can talk with door camera. By pressing the door release button, door will be released. (Door release works only while talking. Please note that this function is possible only when the door camera is interlocked with door release function.)
- ③ 3-way communication is possible when another user picks up the handset of extended interphone , when you are talking with door camera on video door phone.
(Entrance-Household -Interphone simultaneous communication mode)
- ④ By putting down the handset, talking is finished and video door phone turns to stand-by mode.
(You can install additional camera. In case of receiving call from camera 1, blue LED blinks. In case of receiving call from camera 2, purple LED blinks.)



Interphone

- Talk with door camera
- ① When the visitor calls from the door camera, calling sound rings on interphone and video door phone.
 - ② By picking up the handset of interphone, you can talk with door camera. By pressing the door release button, door will be released.
 - ③ 3-way communication is possible when another user picks up the handset of video door phone, when you are talking with door camera on interphone.
- Talk between interphone and video door phone(household).
- (1) In case of calling video door phone from interphone
 - ① In order to call the household from interphone, pick up the interphone handset and press call button. Then, video phone will be ringing.
 - ② You can talk with interphone by picking up handset of the household.
 - ③ 3-way communication is possible between household, interphone and door camera when visitor calls from door camera, while household is talking with interphone. Image from door camera is displayed on LCD of household with calling sound and 3-way communication gets available.
 - (2) In case of calling interphone from household
 - ① After picking up the handset of household, press the interphone button to call the interphone.
(Interphone is called only while the interphone button on household is being pressed.)



Monitoring : Function to see the image of door camera.

- Operation on the Stand-by status
Monitoring works as following sequence by pressing the monitor button.
Camera1 ➔ (Camera2) ➔ OFF Camera1
- Operation while talking
Monitoring works as following sequence by pressing the monitor button.
Camera1 ➔ (Camera2) ➔ Camera1 ➔ (Camera2)



Calling sound adjustment (3 steps)

- ① Calling sound volume on interphone is interlocked with the calling sound on the household.
- ② Enter the calling sound adjust mode by pressing the menu button once in the stand-by mode. (Press menu button more than 1 second to enter volume setting.) (LED lamp will be changed to red from blue.)

⚠ Caution

Product rings automatically when you press the relevant button(UP button / DOWN button) to set calling sound volume. So, please put down the handset when you need to adjust calling sound volume.

- ③ Press the UP(Door release) / DOWN(Interphone) button in front of the product in order to adjust the volume of calling sound.
- ④ After completing the adjustment, save the revised setting value by pressing the menu button again and enter stand-by mode. (LED lamp will be changed to blue from red.)



Image set (BRIGHT / CONT / COLOR adjustment)

- ① The image setting mode will be sequentially operated when user press the menu button as follows.(In the state of the image on)
- ② BRIGHT ➔ CONTRAST ➔ COLOR ➔ EXIT
- ③ Image setting is possible only when the screen is on.

- BRIGHT : Brightness adjustment

- ① Press the menu button once when the image is on.
(LED lamp will be changed from blue to red.)
Red LED blinks fastly. [●○●○●○●○]
- ② You are in brightness adjustment mode.
- ③ Press the UP(Door release) / DOWN(Interphone) button in front of the product in order to adjust the brightness.
- ④ After completing the set, save the revised setting value by pressing the menu button.
(LED lamp will be changed from red to blue.)

■ CONTRAST : Contrast adjustment

- ① Press the menu button twice when the image is on.
(LED lamp will be changed from blue to red.)
Red LED blinks slowly. [●●○○●●○○●●○○●●○○]
- ② You are in CONTRAST adjustment mode.
- ③ Press the UP(Door release) / DOWN(Interphone) button in front of the product in order to adjust the CONTRAST.
- ④ After completing the set, save the revised setting value by pressing the menu button.
(LED lamp will be changed from red to blue.)

■ COLOR : Color adjustment

- ① Press the menu button in the state of the image on.
(LED lamp will be changed from blue to red.)
Red LED blinks very slowly.
[●●●○○○○●●●○○○○●●●○○○○●●●○○○○]
- ② You are in COLOR adjustment mode.
- ③ Press the UP(Door release button) / DOWN(Interphone button) button in front of the product in order to adjust the condition of the COLOR.
- ④ After completing the set, save the revised setting value by pressing the menu button.
(LED lamp will be changed from red to blue.)



RESET (Initialization)

- Press the interphone button and door release button at the same time for about 3 seconds.
(Image setting value and calling sound volume will be initialized.)

⚠ Caution

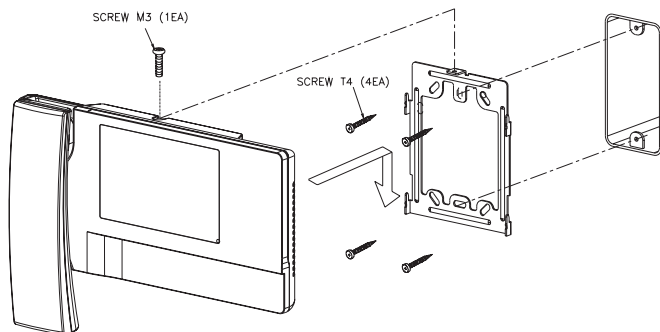
Please note that all screen adjustment and all information are initialized by resetting.



3 Installation



How to install the monitor

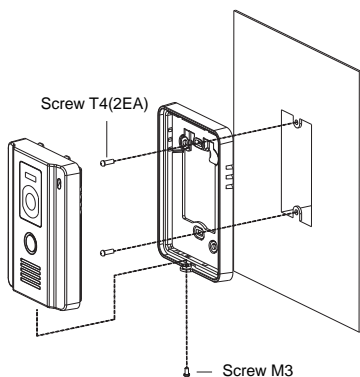


⚠ Cautions

- ① Avoid the direct sunlight.
- ② Recommended height is around 1450~1500mm
- ③ Avoid the installation near magnetic activity, humid temperature and gas.



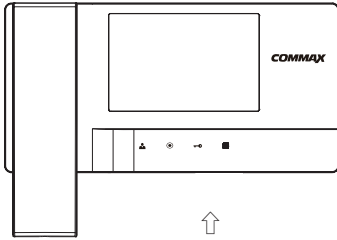
How to install the camera



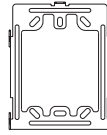
⚠ Cautions

- ① Do not install the camera where it is exposed to direct sunlight and backlight.
- ② Keep the lens clean for good image quality.

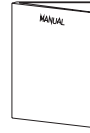
4 Parts list



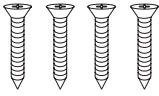
① Body of CDV-35A



② Bracket for wall mount



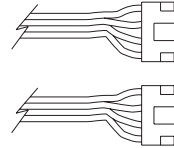
③ Manual



④ T4 X 18(4EA)
Screw for wall mount



⑤ M3 x 6(1EA)
Screw for body



⑥ 4P Connector(2EA)

1	Main Body(CDV-35A)
2	Bracket for wall surface mounting
3	User Manual
4	Screw for wall bracket (SCREW GH1T 4X18 ZnY) – 4EA
5	Screw for body (SCREW PHM 3X6 ZnY) – 1EA
6	Camera connector (CONN. 4PX300) – 2EA



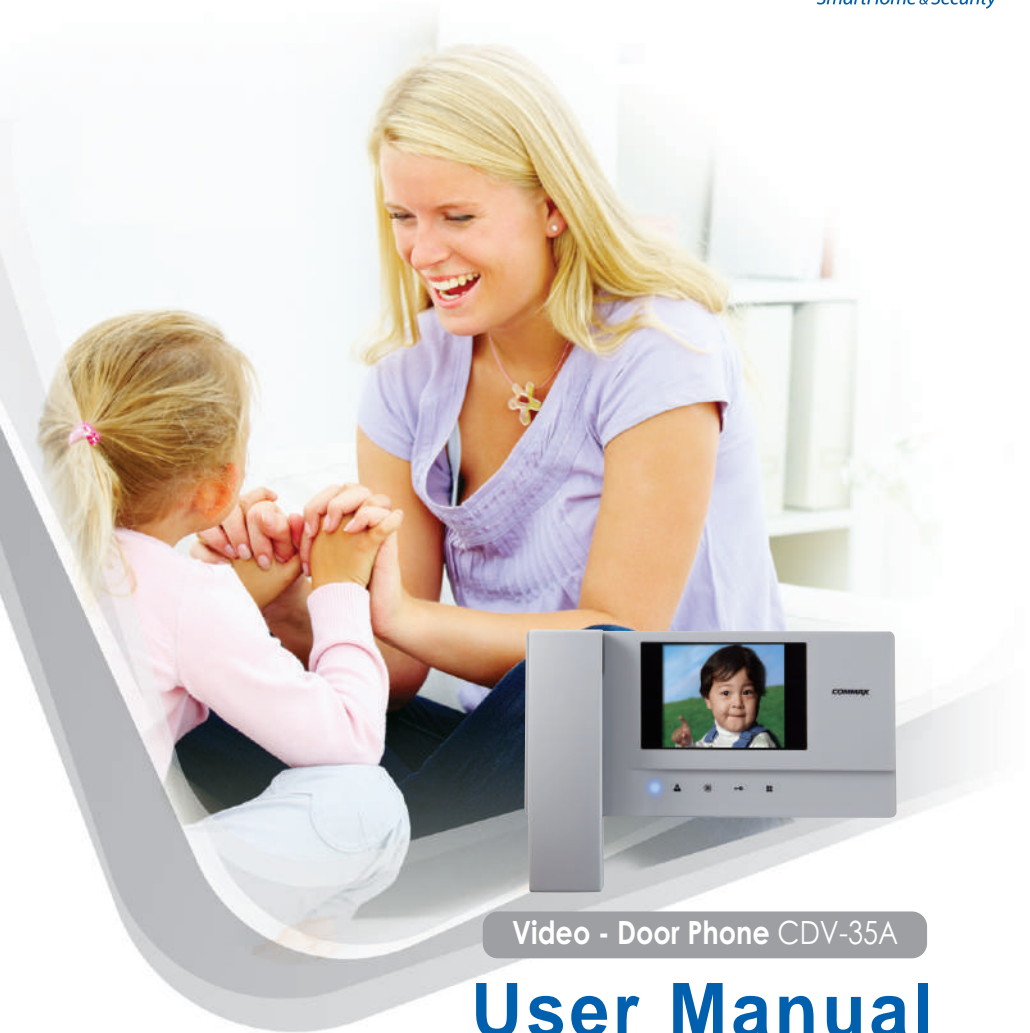


COMMAX CO.,Ltd.

513-11, Sangdaewon-dong, Jungwon-gu, Seongnam-si, Gyeonggi-do, Korea
Int'l Business Dept. Tel. : +82-31-7393-540~550 Fax. : +82-31-745-2133
Web site : www.commax.com

Since 1968

COMMAX
SmartHome & Security



Video - Door Phone CDV-35A

User Manual

COMMAX CO.,Ltd.

- Thank you for purchasing COMMAX products.
- Please carefully read this User's Guide (in particular, precautions for safety) before using a product and follow instructions to use a product exactly.
- The company is not responsible for any safety accidents caused by abnormal operation of the product.

5 Specifications

Spec	Model	CDV-35A
Rating Voltage		100-240V~, 50/60Hz (FREE VOLTAGE)
Consumption		Operation : 10W(MAX)
Wiring method		Dooe camera : 4 wires polarity
		Interphone : 4 wires polarity
Monitor		8.89cm(3.5") TFT-DIGITAL LCD
Communication		Full duplex(Handset)
Calling sound		Entrance : Electronic chime
		Interphone: Electronic buzzer
Monitor Display		60 ±10sec (During conversation)
		30 ±10sec (During monitoring)
Distance (Cable thickness)		28m(∅ 0.5) / 50m(∅ 0.65) / 70m(∅ 0.8)
Working temperature		0 ~ +40°C(32°F ~ 104°F)
Dimension		249(W)X158.5(H)X47.6(D) Based on Max height of handset