CDV-70H2
User Manual

FINEVIEW VIDEOPHONE

COMMAX Co.,Ltd.

Greetings

● Thank you for choosing COMMAX.

● Please read this manual carefully before you use the product.

Table of contents

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1. Warnings and caution

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

<table>
<tr><td>

⚠️ **Warning**
It may cause a serious damage or injury if violated.

⚠️ **Caution**
It may cause a minor damage or injury if violated.

</td><td>

🚫 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.
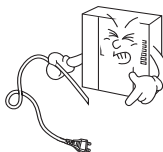
🔥 Shows the warning and caution for a fire.

</td></tr>
</table>

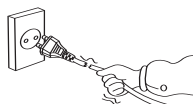## ⚠️ Warning

Power & Installation

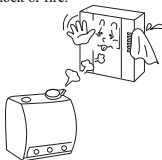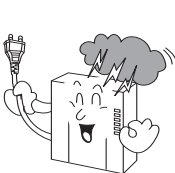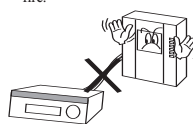|			
Please don't use several products at the same time on one power socket. · It may cause a fire due to an abnormal overheating. Prohibition / Fire	Please don't bend the power cable excessively or it may cause an electric shock. · fire when using a damaged power cable. Prohibition / Electric shock / 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 lightening 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. 10cm / 5cm Prohibition / Fire

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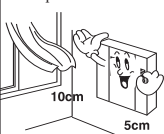
⚠ Warning

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.

No disassembly
Electric shock   Fire   Unplug

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.
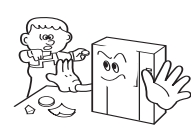· It may cause an electric shock or fire.

Electric shock   Fire

Please don't insert any metallic or burnable materials into the ventilation hole.
· It may cause an electric shock or fire.

Prohibition   Electric shock   Fire

Please use only the designated batteries for the products of using DC power.
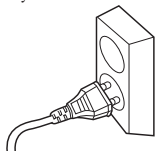· It may cause an electric shock or fire.

Request

⚠ Caution

Power & Installation

Please plug the power cable firmly into the inner end
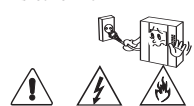· It may cause a fire.

Request   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

Request   Electric shock   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
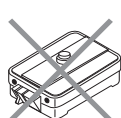
Request   Electric shock   Fire

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.

Request

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

Request   Electric shock

Please check the use voltage and current for the DC-only products and use the appropriate rectifier.
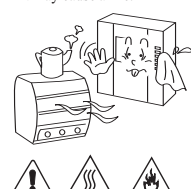· It may cause a fire.

Power

Request   Fire

Please avoid direct rays of the sun or heating devices at a time of installation.
· It may cause a fire.

Request   Overheating   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.
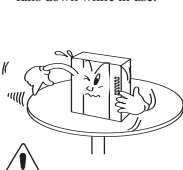
Request

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.)

Prohibition

Please don't drop the product on the ground and don't apply a shock .
· It may cause a failure.
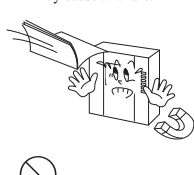
Prohibition

Please use the designated connection cable within the maximum calling distance designated for the product
· It may reduce the product performance.

Request

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2. Parts Names

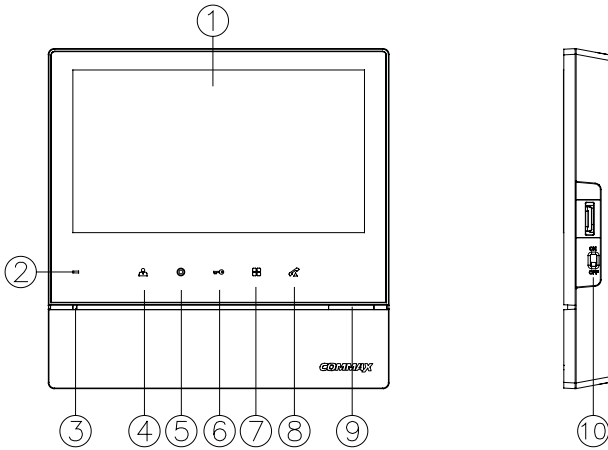| No.	PART	No.	PART	No.	PART
1	MONITOR(LCD)	5	INTERPHONE BUTTON / SELECT BUTTON	9	SPEAKER
2	POWER LED	6	DOOR RELEASE BUTTON/ UP BUTTON/	10	POWER SWITCH
3	MICROPHONE	7	MENU BUTTON		
4	MONITOR BUTTON/ DOWN BUTTON	8	TALK BUTTON		

1. MONITOR(LCD)
2. POWER LED : show green light when the monitor is turned on, no light when off
3. MICROPHONE
4. MONITOR BUTTON (DOWN BUTTON) : Press to see images from camera. . And press to move (down / left) on menu.
5. INTERPHONE BUTTON (SELECT BUTTON) : Press to call interphone. And press to select on menu.
6. DOOR RELEASE BUTTON (UP BUTTON) : Press to open the door. And press to move (up / right) on menu.
7. MENU BUTTON : Press to enter Menu for display adjustment, calling sound setting, product Information etc.
8. TALK BUTTON : to call and answer for visitor.
9. SPEAKER.
10. POWER SWITCH.

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3. How to use this product

1. 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 If you press the talk button, you can talk with door camera.
By pressing the door release button, door will be released.
(Door release works only while talking.)

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.
(3-way : Entrance-Household -Interphone simultaneous communication mode)

④ While you are talking with the door camera if you press the talk button, talking is finished and the video door phone turns to stand-by mode.

2. Call with additional interphone

2-1. Call between door camera and interphone

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.

2-2. Talk between interphone and video door phone (household).

2-2-1. In case of receiving the call of household phone from interphone

(1) In order to call the household from interphone, pick up the interphone handset and press the call button. Then, video phone will be ringing.

(2) You can talk with interphone by pressing the talk button of household.

(3) 3-way communication is possible among 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.

(4) Press the talk button after ending the call.

2-2-2. In case of calling interphone from household

(1) Press the Talk Button and the Interphone Button in order to call the interphone from the Monitor
(Interphone is called only while the interphone button on household is being pressed.)

(2) When you receive the call from interphone, enjoy the call.

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4. Monitoring : function to see the image of visitor in the entrance.

(stand-by mode) Operation
- By pressing the MONITOR button repeatedly, the monitor will work as following in order.

  Camera1 → Camera2 → OFF → Camera1 ....

5. Settings

* Product settings need the following 4 buttons on the product.
* Start Menu / Exit : MENU button
* Select and in-put : SELECT button (INTERPHONE button)
* Move up / Move right: UP button (DOOR RELEASE button)
* Move down / Move left: DOWN button (MONITOR button)

You can adjust DOOR VIDEO SET, UTILITY and check INFORMATION (model name &version) with (UP) / (DOWN) button after pressing MENU button on the right of the product in video talk mode or stand-by mode.

5-1. Screen setting (Brightness/Contrast/Color adjustment function)
Press the MENU button and access to DOOR VIDEO SET and enter the setting menu by pressing the SELECT button.
(1) BRIGHTNESS: Adjusting Brightness of Screen.
(2) CONTRAST: Adjusting Contrast of Screen.
(3) COLOR: Adjusting Color of Screen.
 * How to adjust
  ① Move to Menu you want to adjust with UP/DOWN button on the list of DOOR VIDEO SET
  ② Press the SELECT button to choose an icon.
  ③ Adjust the set value with UP/DOWN button
  ④ Press the select button, To complete.

(4) RESET : Initializing
 * How to adjust
  ① Move to RESET menu in DOOR VIDEO SET menu.
  ② Press the SELECT button to enter the menu.
  ③ Select YES with UP/DOWN button.
  ④ Press the SELECT button.

(5) EXIT : Go back to setting mode

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5-2. UTILITY(additional function)

Press the MENU button and access to UTILITY and enter the menu by pressing the SELECT button.

(1) SPEAKER-VOLUME: setting receiver sound level .

* How to adjust

① Move to SPEAKER-VOLUME icon with UP /DOWN button in UTILITY Menu.

② Press the SELECT button to enter the menu.

③ Adjusting receiver level : 1 ~ 3

④ To complete the set, Press the SELECT button.

(2) CHIME-BELL VOLUME : setting call sound level.

* How to adjust

① Move to CHIME-BELL VOLUME icon with UP /DOWN button in UTILITY Menu.

② Press SELECT to enter the menu.

③ Adjusting call level : 0(MUTE) ~ 3(MAX)

Press the SLECT button to complete the set.

(3) SCREEN MODE : to set for screen ratio.

* How to adjust

① Access to SCREEN MODE with UP /DOWN button in UTILITY Menu.

② Press the SELECT button to enter the menu.

③ Adjust screen ratio value with UP/DOWN button.

④ To complete the set, Press the SELECT button.

- ZOOM: Zoon in(expansion) image maintaining actual ratio(4:3) is shown. (full of the screen).

- 4:3 : Image of 4:3 ratio without expansion is shown.(This is actual ratio for camera).

- WIDE : Full of the screen. Not actual ratio (4:3).

Image is expanded according to LCD (WIDE LCD) ratio.(16:9)

(4) EXIT: Go back to the UTILITY Setting menu.

5-3. INFORMATION (The function to check Model name & Version)

In order to check the product information, Press the menu button and move to INFORMATION menu with UP/DOWN button.

(1) MODEL : You can check the model name.

(2) VERSION : You can check the model version.

(3) SYSTEM : SINGLE (FINE VIEW VIDEOPHONE)

(4) TOUCH : You can check the touch-key version.

(5) VIDEO : You can check the video transmission formats(NTSC/PAL)

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(6) SOURCE : You can check the position of camera(DOOR) which is shown on the
    screen for now.(DOOR1 / DOOR2)

5-4. EXIT (Finish setting menu)
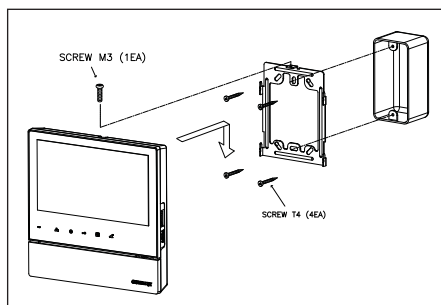
6. RESET : **Initializing**

Keep pushing interphone and door release button for 3 seconds. (Screen setting and
Call volume will be initialized).
Caution : If initialization is activated, all data including screen setting and Call volume
will be initialized .
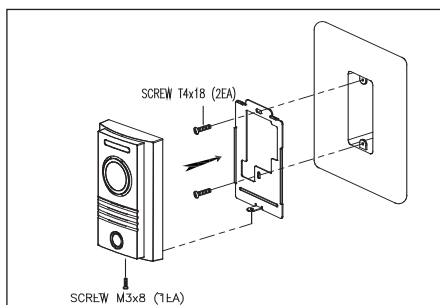(Screen setting and Call volume)

7. Installation

1. Installation Method of camera monitor

⚠ Note
 ① Avoid the range of direct sunlight
 ② Recommended height is pertinent
    from 1450 ~ 1500mm
 ③ Avoid the installation near magnetic
    activity, humid temperatures and gas

2. Installation Method of camera

⚠ Note
 ① Do not install the camera where
    it is exposed to Direct sunlight
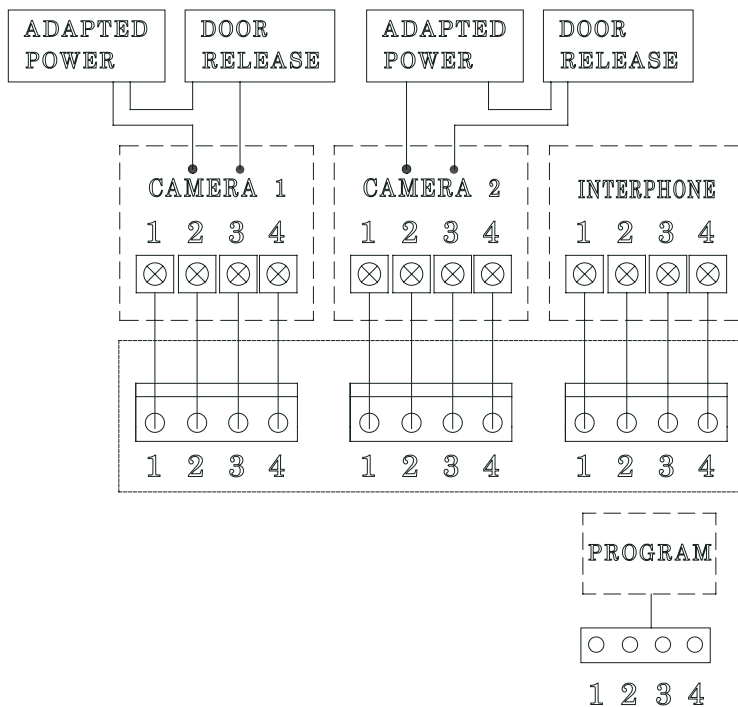 ② Keep cleaning up its lens to
    capture good views.

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8. Wiring

The wiring of this equipment is as follows.

* Camera connector polarity

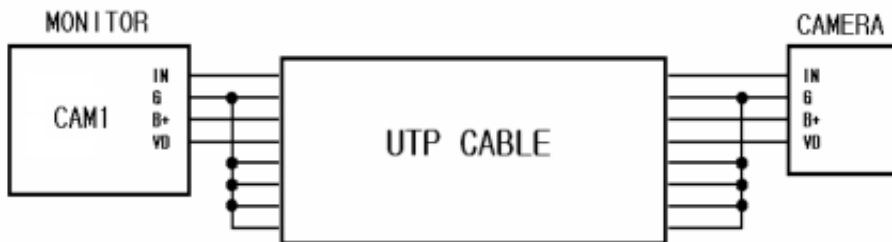1. Red : Voice 2. Blue : GND 3. Yellow : Power(+12V) 4. White : Video

ADAPTED POWER	DOOR RELEASE		ADAPTED POWER	DOOR RELEASE

CAMERA 1	CAMERA 2	INTERPHONE
1 2 3 4	1 2 3 4	1 2 3 4
⊗ ⊗ ⊗ ⊗	⊗ ⊗ ⊗ ⊗	⊗ ⊗ ⊗ ⊗

1 2 3 4	1 2 3 4	1 2 3 4

PROGRAM
○ ○ ○ ○
1 2 3 4

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▣ Wiring precautions

Each device should be connected by separated cables.
If you use UTP CABLE[CAT.5] for Door and Interphone, 2 lines of UTP cable are required.

▣ DOOR Camera Wiring

If you use UTP CABLE[CAT.5], Connect the rest 4 lines to GND
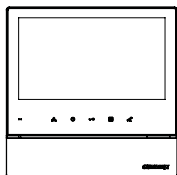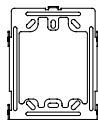after connecting 4 lines between monitor and camera.

▣ INTERPHONE Wiring
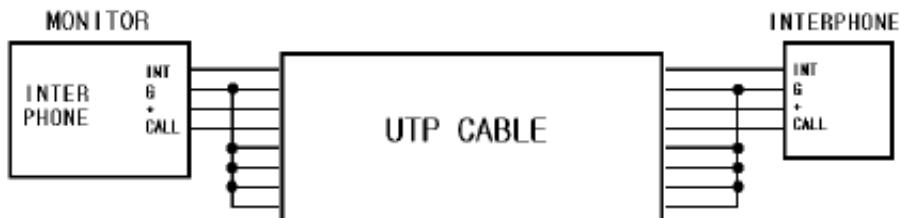
If you use UTP CABLE[CAT.5], connect the rest 4 lines to GND
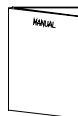after connecting 4 lines between monitor and interphone.

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9. Package Contents
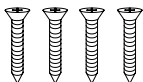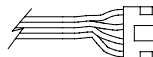

① Main body (CDV-70H2)   ② Wall bracket   ③Manual
④ Screw for wall bracket (SCREW GH1T 4*18 ZnW) – 4EA
⑤ Screw for body (SCREW PHM 3*6 ZnY) – 1EA
⑥ Camera connector (CONN. 4P*200) – 2EA

10. Specification

SPEC	CDV-70H2		
Wiring	Door camera 4wires (Polarity), interphone 4wires (polarity)		
Rating Voltage	100V-240V~, 50/60Hz (FREE VOLTAGE)		
Power consumption	Stand-by : 3 W Maximum: 16 W		
Transmission way	HANDS FREE (Voice switch circuit)		
Screen size	7" TFT-DIGITAL LCD		
Ringtone	Door : Electronic chime (Sol Mi Do), Interphone : Beep		
Display	Monitoring : 30 ±5sec Talk : 60 ±5sec		
Distance(Cable thickness)	Pie 0.5mm	0.65mm	0.8mm
	28m	50m	70m
Working temperature	0 ~ +40℃ (32°F ~ 104°F)		

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Memo

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