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COMMAX
SmartHome & Security

User Manual

Fineview Video Phone CDV-70H2/CDV-70HD2



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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.




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


1. Warnings and caution





















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

 **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 & Caution

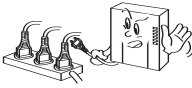
Cleaning & Use	<p>Please don't disassemble, repair or rebuild this product arbitrarily (please contact the service center if a repair is needed).</p> <ul style="list-style-type: none"> It may cause an electric shock or fire.  	<p>If an abnormal sound, burning smell or smoke is coming out of the product, please plug out the power cable and contact a service center.</p> <ul style="list-style-type: none"> It may cause an electric shock or fire.   	<p>Please don't insert any metallic or burnable materials into the ventilation hole.</p> <ul style="list-style-type: none"> It may cause an electric shock or fire.    	<p>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.)</p>  
	<p> Electric shock</p> <p> Fire</p> <p> Unplug</p>	<p> Electric shock</p> <p> Fire</p>	<p> Prohibition</p> <p> Electric shock</p> <p> Fire</p>	<p> Prohibition</p>

⚠ Warning & Caution

Power & Installation

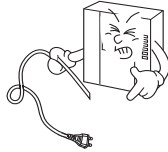
Please don't use several products at the same time on one power socket.

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



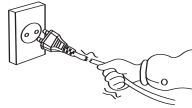
Please don't bend the power cable excessively or it may cause an electric shock.

- fire when using a damaged power cable.



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

- It may cause an electric shock.



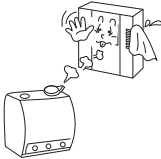
Please plug out the power cable from the socket when not using it for a long period of time.

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



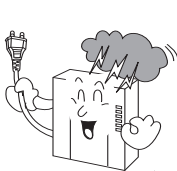
Please don't install the product in the place where there is much oil, smoke or humidity.

- It may cause an electric shock or fire.



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

- It may cause an electric shock or fire.



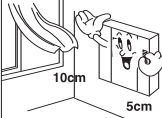
Please don't use and connect this product with other products with different rated voltage

- It may cause a disorder or fire.

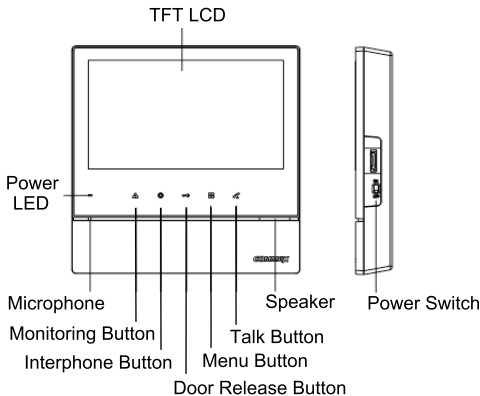


When installing the product that generates heat, please install the product away from the wall (10cm) for the ventilation.

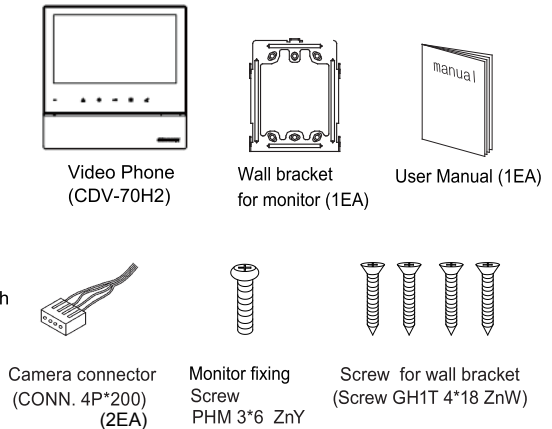
- It may cause a fire due to the increased internal temperature.



2. Parts Names



3. Contents

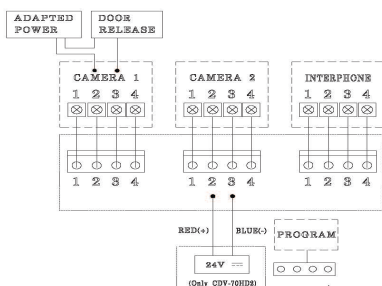




4. Wiring and Connection Instructions

▷ Polarity of the camera connector

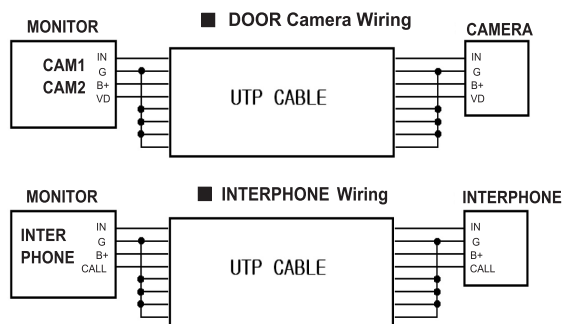
1. Red: Talk (Audio)
2. Blue: GND
3. Yellow: Power (+12V)
4. White: Video



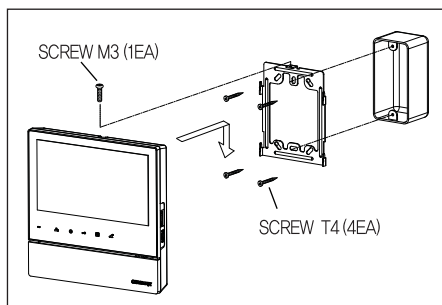
▷ Polarity of interphone connector

1. Red: Talk (Audio)
2. Blue: GND
3. Yellow: Power (+14V)
4. White: Call signal

* Each device should be connected by separated cables.
If you use UTP CABLE[CAT.5] for CAMERA1 and CAMERA2, 2 lines of UTP cable are required.



5. Installation



⚠ Cautions

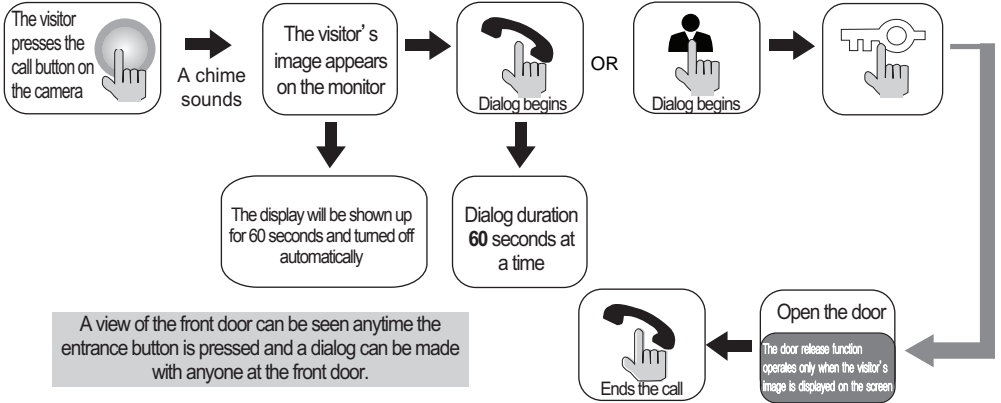
- ① Avoid the direct sunlight.
- ② Recommended height is around 1450~1500mm
- ③ Avoid the installation near magnetic activity, humid temperature and gas.



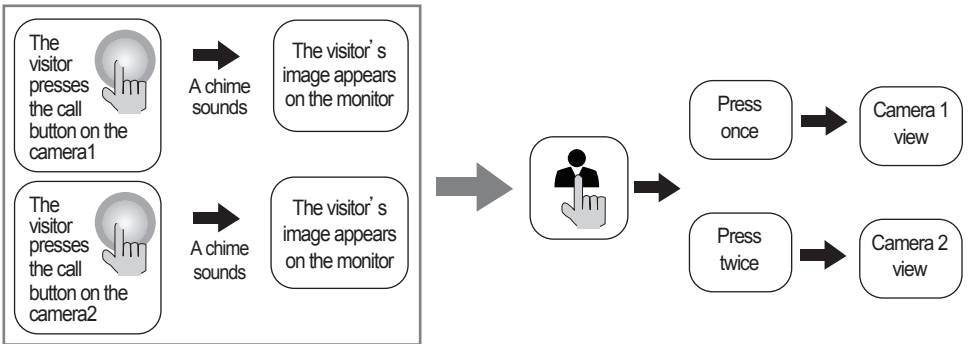
6. Operation

※ **Caution** : Do not hold the handset at your ear when you press hook switch to switch call.

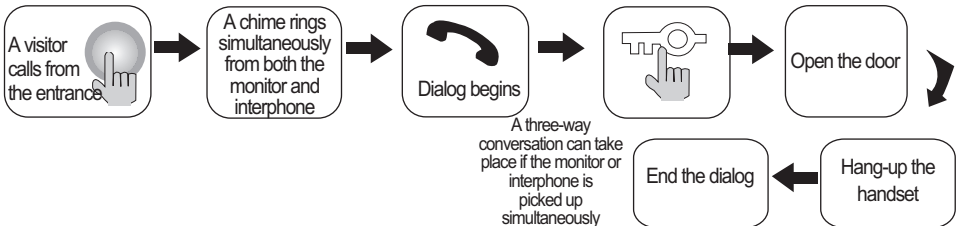
1. Calling of visitor



* In case of connecting two cameras



2. Communication with the optional Interphone



Dialog between the interphone and camera is possible only when the visitor's image is visible on the monitor screen.



7. 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.

4-1. 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

4-2. 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)
- ④ Press the SLEECT 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.

4-3. 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)
- (6) SOURCE : You can check the position of camera(DOOR1 / DOOR2) which is shown on the screen for now.

4-4. EXIT (Finish setting menu)

8. Initialization (RESET)

- Press the interphone button and door release button at the same time for about 3 seconds. Then, image setting value and sound volume will be initialized.

9. Specification

SPEC	CDV-70H2 / CDV-70HD2		
Wiring	Door camera 4wires (Polarity), interphone 4wires (polarity)		
Rating Voltage	CDV-70H2 : 100-240V~, 50/60Hz(FREE VOLTAGE) CDV-70HD2 : 24V --- , 1A		
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°C (32°F ~ 104°F)		

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