

User Manual

Color video door phone CDV-70AR3



- 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.



Greetings

- Thank you for choosing COMMAX.
- Please read this manual carefully before you use 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

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





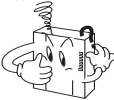








- It may cause a disorder or fire.

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.

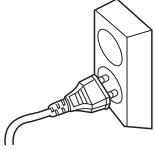










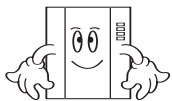

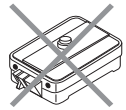





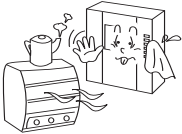





⚠ Warning

Cleaning & Use



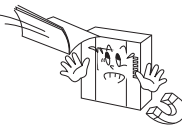



<p>Please don't disassemble, repair or rebuild this product arbitrarily (please contact the service center if a repair is needed).</p> <ul style="list-style-type: none"> · It may cause an electric shock or fire.  <p>No disassembly</p>    <p>Electric shock Fire Unplug</p>	<p>If an abnormal sound, burning 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>Electric shock Fire</p>	<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>Prohibition Electric shock Fire</p>	<p>Please use only the designated batteries for the products of using DC power.</p> <ul style="list-style-type: none"> · It may cause an electric shock or fire.   <p>Request</p>
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⚠ Caution

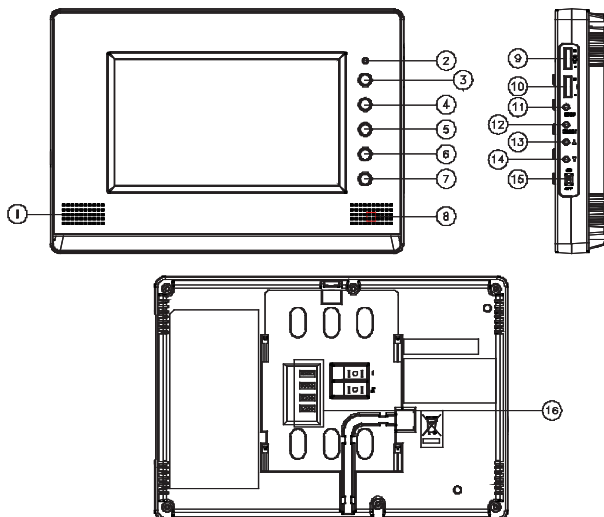
Power & Installation

<p>Please plug the power cable firmly into the inner end</p> <ul style="list-style-type: none"> · It may cause a fire.    <p>Request Fire</p>	<p>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).</p> <ul style="list-style-type: none"> · It may cause an electric shock or fire     <p>Request Electric shock Fire</p>	<p>When connecting the power cables after cutting the cable, please install the product with power off</p> <ul style="list-style-type: none"> · It may cause an electric shock or fire     <p>Request Electric shock Fire</p>	<p>When installing the product, please fix it firmly while using the wall-mounting unit and screws.</p> <ul style="list-style-type: none"> · It may cause an injury from the falling object.   <p>Request</p>
<p>Please be careful when using an AC circuit breaker since there is a possibility of an electric shock.</p>    <p>Request Electric shock</p>	<p>Please check the use voltage and current for the DC-only products and use the appropriate rectifier.</p> <ul style="list-style-type: none"> · It may cause a fire.    <p>Request Fire</p>	<p>Please avoid direct rays of the sun or heating devices at a time of installation.</p> <ul style="list-style-type: none"> · It may cause a fire.     <p>Request Overheating Fire</p>	<p>Please don't install the product on an unstable place or small support board.</p> <ul style="list-style-type: none"> · It may cause an injury if it falls down while in use.   <p>Request</p>

Cleaning & Use

<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>Prohibition</p>	<p>Please don't drop the product on the ground and don't apply a shock.</p> <ul style="list-style-type: none"> · It may cause a failure.   <p>Prohibition</p>	<p>Please use the designated connection cable within the maximum calling distance designated for the product</p> <ul style="list-style-type: none"> · It may reduce the product performance.   <p>Request</p>	
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2. Product Overview



No.	Description	No.	Description
1	Speaker	10	Call Sound Level Control
2	On/Off & status LED	11	Menu Button
3	Monitor Button	12	Select Button
4	Interphone Button	13	Up Button (△)
5	Talk Button	14	Down Button (▽)
6	Door Release	15	Power Switch
7	2nd Door Release	16	Connector Terminal (camera/Interphone/prog.)
8	Microphone		
9	Talk Sound Level Control		

※ Talk Sound Level Control : Use to adjust sound level during talking.

※ Call Sound Level Control : Use to adjust sound level of calling sound.



3. Operation Methods

3-1. Receiving a calling from visitor.

- ① When the call button is pressed by a visitor on the door camera, the melody shall be rung and visitors' image is shown on the screen
(If you do not press the Talk Button, the display will be shown up for 30 seconds and turned off automatically).
- ② By pressing the Talk Button, you are able to talk with visitor. By pressing the Door Release Button, you can open the door for visitor(Door release function can be done only when the monitor is showing the visitor, on the camera which has door release function.)
- ③ When monitor and door camera are on talking, the 3-party talking is possible by picking up receiver of the interphone. (Camera-Monitor-Interphone talking at same time.)
- ④ By pressing Talk Button again you can end the talking and monitor comes back to stand-by mode.

3-2. Talk with Interphone.

(1) Calling from the Interphone.

- ① You will hear calling sound when interphone call the monitor.
- ② Press Talk Button to talk with the interphone.
- ③ When monitor and interphone are on talking, the 3-party talking is possible by calling from the door camera. (Camera-Monitor-Interphone talking at same time.)

(2) Calling the interphone from the monitor.

- ① Press Talk Button and Interphone Button in order to call the interphone from the monitor. (Interphone button should be pressed & held until the interphone answers.)
- ② Then talking is available by picking up the handset of interphone.

3-3. Monitoring : To see the visitor at the door.

(On stand-by mode) Operation

- By pressing the Monitor button repeatedly, the monitor will work as following in order.
Camera 1 → Camera 2 → OFF → Camera 1 →

(On talking mode) Operation

- By pressing the Monitor button repeatedly, the monitor will work as following in order.
Camera 1 → Camera 2 → Camera 1 → Camera 2 →

On talking or monitoring mode, press menu button on the right side of product, and press Δ/∇ buttons to adjust display(brightness, contrast, color), to enter the Utility menu, to check the product information.

- Following 4 buttons on the right side of the product are used for setting.
- * Menu, End : MENU
- * Move up, right : Δ (UP Button)
- * Select, Input : SELECT
- * Move down, left : ∇ (DOWN Button)

3-4. Door Release Function

If you press the 'door release' button (Key shaped button), the monitoring door camera will make a sound and release the door.

(the door release function is only enabled while in a monitoring mode)

* The same rule applies to COMMAX interphone series.

If you press the '2nd Door Release' button while in a monitoring mode, the 2nd door is released.

* '2nd Door Release' only enabled for the 2nd door release function on camera 1 (only applicable for DRC-40KR2 model or other camera models with a built-in 2nd door release function).

'2nd Door Release' button is for the 2nd door release function on camera 1 only and not for the camera 2.



4. Settings

4-1. Display Setting (Brightness, Contrast, Color Adjustment)

On Setting Mode, move to Door Video Set and press Select button to enter the display setting mode.

(1) BRIGHTNESS : To adjust brightness.

(2) CONTRAST : To adjust contrast.

(3) COLOR : To adjust color.

※ How to adjust

① On DOOR VIDEO SET display press Δ/∇ to move to the item you want to adjust

② Press Select Button to select the item.

③ Adjust using Δ/∇ buttons.

④ Press Select Button again to finish.

(4) RESET : Puts back settings to initial setting.

※ How to reset.

- ① On DOOR VIDEO SET display move to RESET item.
 - ② Press SELECT Button to select the item.
 - ③ Select YES using Δ/∇ buttons.
 - ④ Press SELECT button to reset.
- (5) EXIT : Return to Configuration mode
- ※ Setting
- ① Click Δ/∇ button to move to EXIT in DOOR VIDEO SET menu
 - ② Click SELECT button

4-2. UTILITY(Extra features)

Press the MENU button in use of conversation or monitoring and set up Screen mode

(1) SCREEN MODE: Choose screen ratio

- ① Move to UTILITY menu in display setting mode and press SELECT BUTTON.
And then move to SCREEN MODE on the list using Δ/∇ button.
- ② Press SELECT button to enter the menu
- ③ Set screen ratio using Δ/∇ button.
- ④ Press the SELECT button.

※ WIDE : Full of the screen. Not actual ratio(4:3). Image is expanded according to LCD(WIDE LCD) ratio.

※ 4:3 : Image of 4:3 ratio(actual ratio for camera) without expansion is shown.
(BLANK will be shown on the left and right of LCD screen)

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

(2) EXIT : Return to configuration mode

※ Setting

- ① Move to EXIT in UTILITY MODE by using Δ/∇ button
- ② Click SELECT button to choose

4-3. INFORMATION (Model and Version checking)

Click Δ/∇ button to check the Model and version in configuration mode

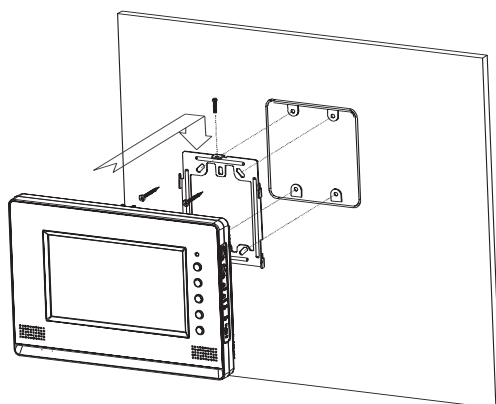
- (1) Model : The name of Model
- (2) Version : The version of the product
- (3) VIDEO : The video type of the product
- (4) SOURCE : The location of the image

4-4. EXIT(End configuration)

Move to EXIT and click Select button.



5. Installation

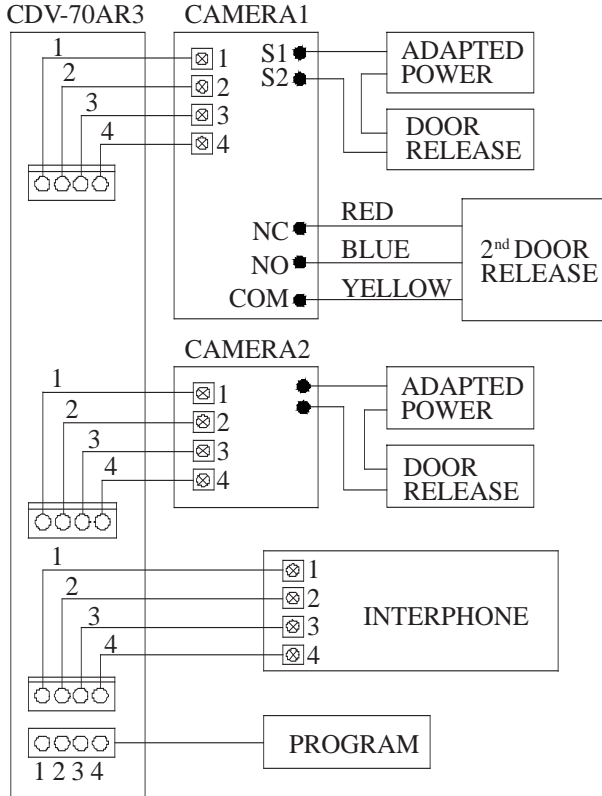


- Terminal wiring in rear

6. Wiring

CAMERA CONNECTOR POLARITY

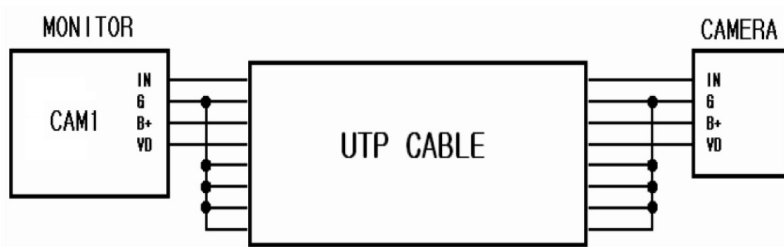
1. RED : VOICE 2. BLUE : GND 3. YELLOW : POWER(+12V) 4. WHITE : VIDEO



Caution on the Wiring

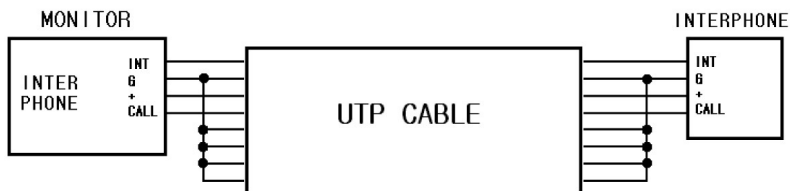
Be sure to use a separate wiring for each connect
 2lines of UTP CABLE[CAT.5] are required if UTP CABLE[CAT.5] is used for
 CAMERA1 and CAMERA2

DOOR Camera Wiring



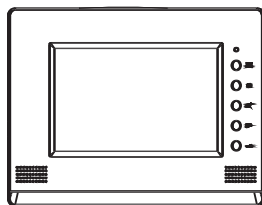
- If UTP CABLE[CAT.5] is used, use 5 lines for GND line.

INTERPHONE Wiring

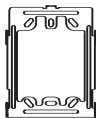


- If UTP CABLE[CAT.5] is used, use 5 lines for GND line.

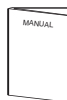
7. Part list



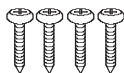
Monitor



Wall bracket



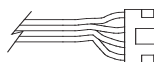
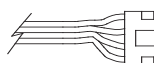
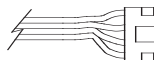
Manual



T4 X 18
Wall bracket
Mounting Screw



M3 X 6
Monitor
Fixing Screw



Connector
(4P X 3pcs)

8. Specification

MODEL	CDV-70AR3		
Transmission way	Door camera 4wires (Polarity), interphone 4wires (polarity)		
Rating Voltage	100V-240V~, 50/60Hz (FREE VOLTAGE)		
Power consumption	On stand-by : 3.5W On talk : 15W		
Transmission way	HANDS FREE (Voice switch circuit)		
Monitor	7" TFT-DIGITAL LCD		
Call sound	Door : Electronic chime (Sol Mi Do), interphone : Beep		
Display	Monitoring : 30 ±5sec , Talk : 60 ±5sec		
Distance	Pie 0.5mm	0.65mm	0.8mm
	28m	50m	70m
Working temperature	0 ~+40°C (32°F ~ 104°F)		
Dimension	243(W) X 168(H) X 35 mm(D)		



Memo

COMMAX

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