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COMMAX
SmartHome & Security

User Manual

Color Video Door Phone CDV-43N



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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.














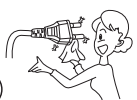

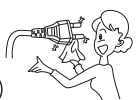
Table of Contents

1. Warnings and Cautions.....	2
2. Part Names	3
3. Package Contents	3
4. Wiring and Connection Instructions.	4
5. Installation	5
6. Operation	6
7. Settings	7
8. Specifications and Features.....	7

1. Warning and 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.
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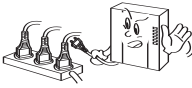
Warning& Caution

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. <div style="display: flex; justify-content: space-around;">  No disassembly  Electric shock  Fire  Unplug </div>	<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. <div style="display: flex; justify-content: space-around;">  Electric shock  Fire </div>	<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. <div style="display: flex; justify-content: space-around;">  Prohibition  Electric shock  Fire </div>	<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> <div style="display: flex; justify-content: space-around;">  Prohibition </div>	
					
					
					

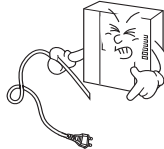
⚠ Warning & Caution

Power & Installation

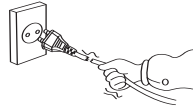
Please don't use several products at the same time on one power socket.
· It may cause a fire due to an abnormal overheating.



Please don't bend the power cable excessively or it may cause an electric shock.
· fire when using a damaged power cable.



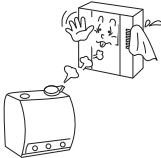
Please don't handle the power cable with a wet hand.
· It may cause an electric shock.



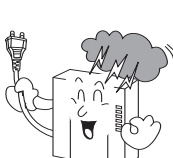
Please plug out the power cable from the socket when not using it for a long period of time.
· It may shorten the product lifespan or cause a fire.



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.



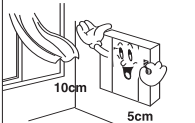
Please don't install the product with the lightning and thunder.
· It may cause an electric shock or fire.



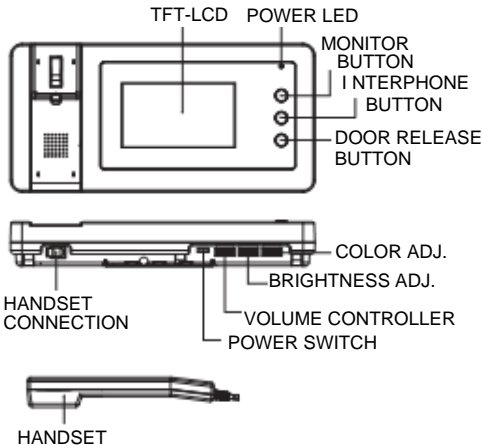
Please don't use and connect this product with other products with different rated voltage.
· It may cause a disorder or fire.



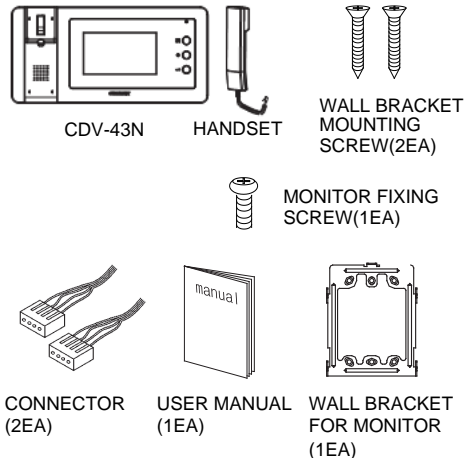
When installing the product that generates heat, please install the product away from the wall (10cm) for the ventilation.
· It may cause a fire due to the increased internal temperature.



2. Parts Names



3. Package Contents





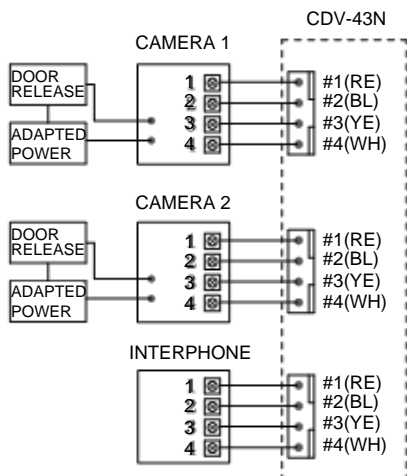
4. Wiring and Connection Instructions

▷ 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

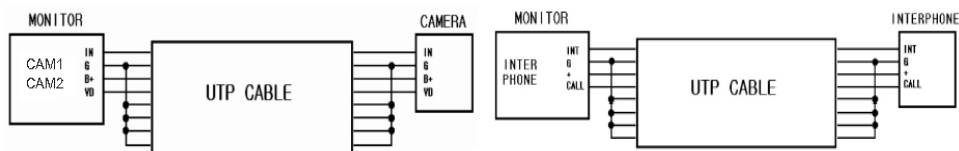


* Each device should be connected by separated cables.

If you use UTP CABLE[CAT.5] for CAMERA1 and CAMERA2, 2 lines of UTP cable are required.

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

DOOR CAMERA & INTERPHONE Wiring

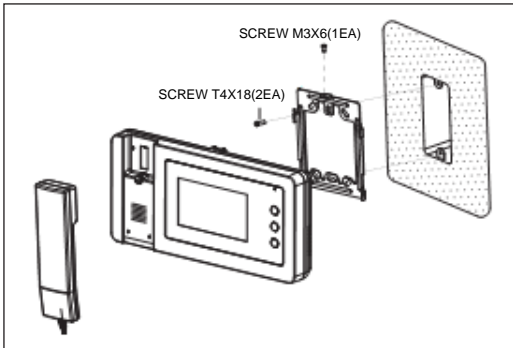


* Note

1. In case, if there is a high-voltage power line in the area of installation, use metal tube coaxial cable for wiring
2. Beware of wrinkling of line coating and cable stick-outs as it may cause circuit shortage and operation inconvenience.
3. When connecting a monitor with a camera, make sure power switch is turned off.



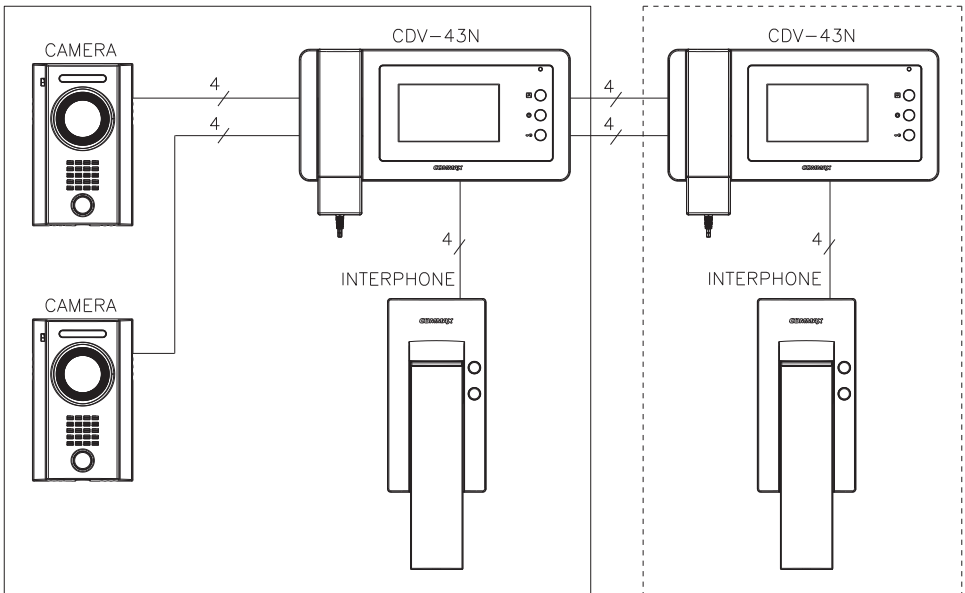
5. Installation



⚠ 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

▷ Extension of monitors



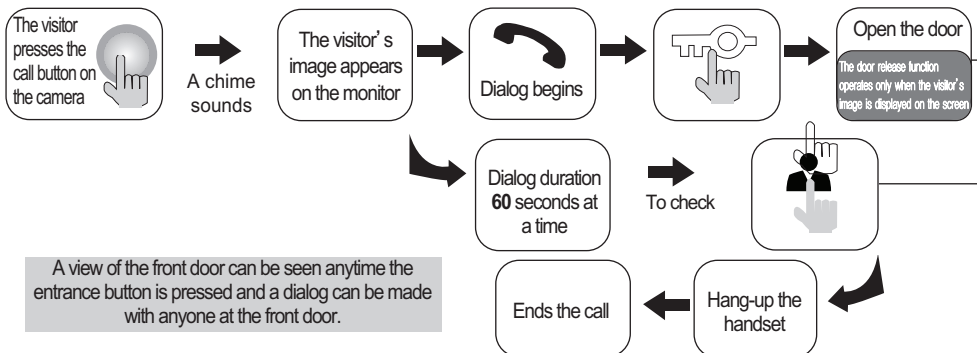
※ Extendable

※ When adding a second monitor, visual and audio quality of video may deteriorate

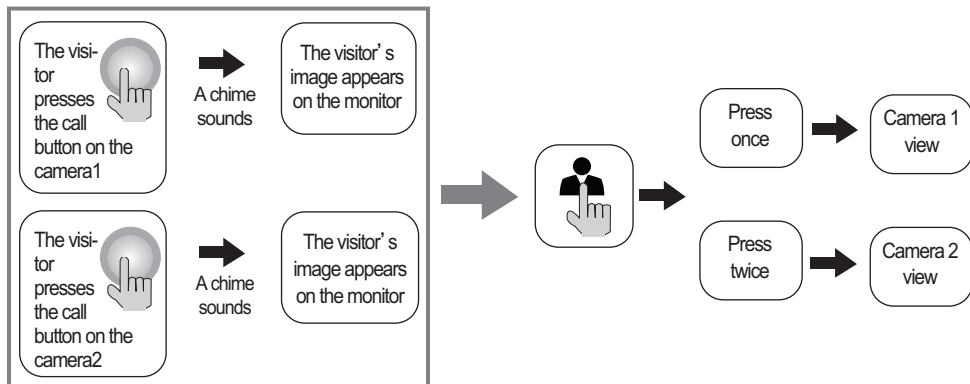


6. Operation

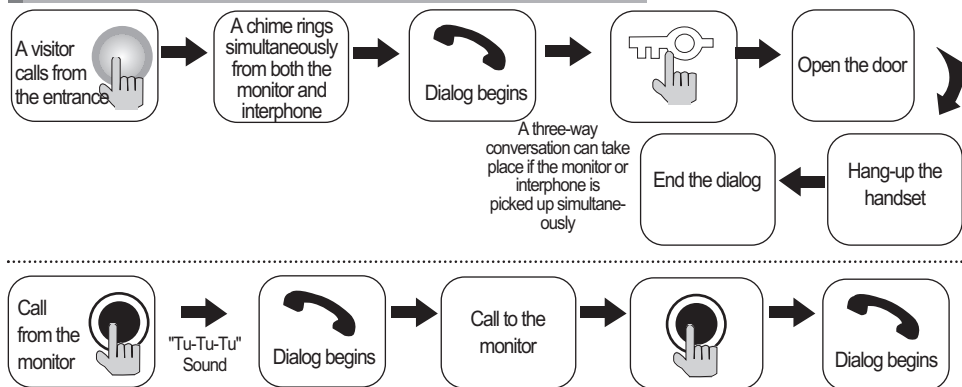
1. Calling of visitor



* 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

* Setting screen mode

to select the proportion of image marked in the screen.

- By pressing INTERPHONE BUTTON (screen setting button) repeatedly during monitoring mode or calling door entrance mode, the screen ratio will be changed as following in order.(You cannot adjust during talking mode)

ZOOM → 4:3 → WIDE

- * ZOOM : Zoom in(expansion) image maintaining actual ratio(4:3) is shown.(full of the screen)
- * 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)
- * WIDE : Full of the screen. Not actual ratio (4:3). Image is expanded according to LCD(WIDE LCD) ratio.



8. Specifications and Features

Rated Voltage	100-240V~, 50/60Hz
Power Consumption	Operating : 15W
Wiring	4 wires with door camera (Polarity), 4 wires with an Interphone (Polarity)
Screen Size	Color 4.3" TFT LCD
Communication	Simultaneous communication
Call Sound	From a door camera : Electric chime From an interphone : Beep sound
Time to display the screen	60 ± 10sec
Distance from camera	28m(Φ0.5) / 50m(Φ0.65) / 70m(Φ0.8)
Operating Temperature	0 ~ +40°C (32° F ~ 104° F)
Weight	2kg
Dimension	259(W)× 158(H)× 52(D)mm

Reference : Design and functions of the product are a subject of constant development as a pursuit of quality improvement



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