COMMAX
SmartHome & Security

User Manual

Fineview Video Phone CDV-70N2 / CDV-70ND2
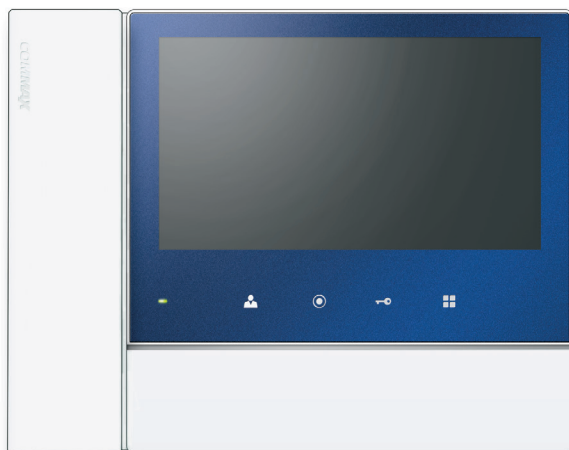
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COMMAX Co.,Ltd.

Table of Contents

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

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

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

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⚠ Warning & Caution

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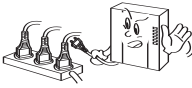
Please don't bend the power cable excessively or it may cause an electric shock.
· fire when using a damaged power cable.

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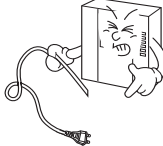
Please don't handle the power cable with a wet hand.
· It may cause an electric shock.

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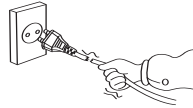
Please plug out the power cable from the socket when not using it for a long period of time.
· It may shorten the product lifespan or cause a fire.

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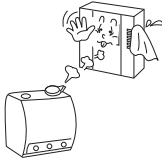
Please don't install the product with the lightening and thunder.
· It may cause an electric shock or fire.

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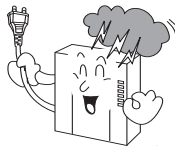
Please don't use and connect this product with other products with different rated voltage
· It may cause a disorder or fire.

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

2. Parts Names

Handset   Monitor

Power Switch

Power LED   Menu Button
Monitor Button   Door Open Button
     Interphone Button
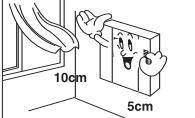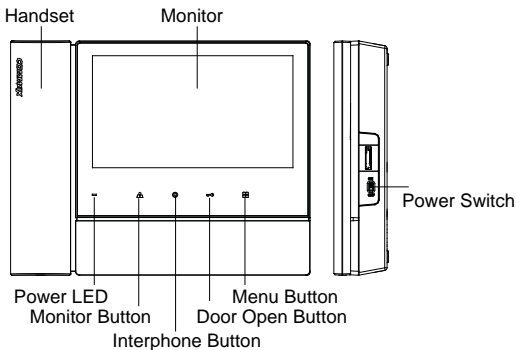
3. Package Contents
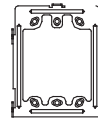
Wall bracket for monitor (1EA)

Monitor fixing screw (1EA)
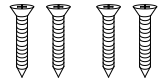
Wall bracket mounting screw (4EA)

Connector (2EA)

manual

User Manual (1EA)

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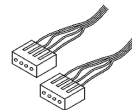
4. Wiring and Connection Instructions

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

1. Red: Talk (Audio)
2. Blue: GND
3. Yellow: Power (+14V)
4. White: Call signal
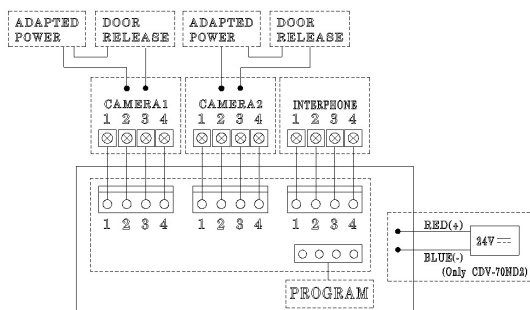
＊ Each device should be connected by separated cables.
If you use UTP CABLE[CAT.5] for CAMERA1and CAMERA2, 2 lines of UTP cable are required.

5. Installation

SCREW M3 (1EA)

SCREW T4 (4EA)
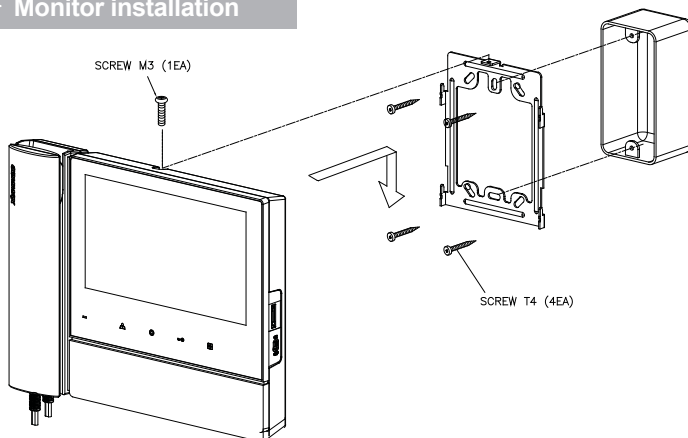
＊ **Note**
- Avoid installing the product in the area of direct sunlight.
- The position of the unit's body should fit the standard height range (Recommended height range is 1450 ~ 1500mm.)
- Avoid installing the product exposed to gas exposure, magnetic force, in humid temperatures, as it may damage the condition and performance of the product.

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6. Operation

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

1. Calling of visitor

The visitor presses the call button on the camera → A chime sounds → The visitor's image appears on the monitor → Dialog begins → → Open the door

The door release function operates only when the visitor's image is displayed on the screen

The visitor's image appears on the monitor → The display will be shown up for 60 seconds and turned off automatically

Dialog begins → Dialog duration **60** seconds at a time

A view of the front door can be seen anytime the entrance button is pressed and a dialog can be made with anyone at the front door.

Ends the call ← Hang-up the handset

* In case of connecting two cameras

The visitor presses the call button on the camera1 → A chime sounds → The visitor's image appears on the monitor

The visitor presses the call button on the camera2 → A chime sounds → The visitor's image appears on the monitor

Press once → Camera 1 view

Press twice → Camera 2 view
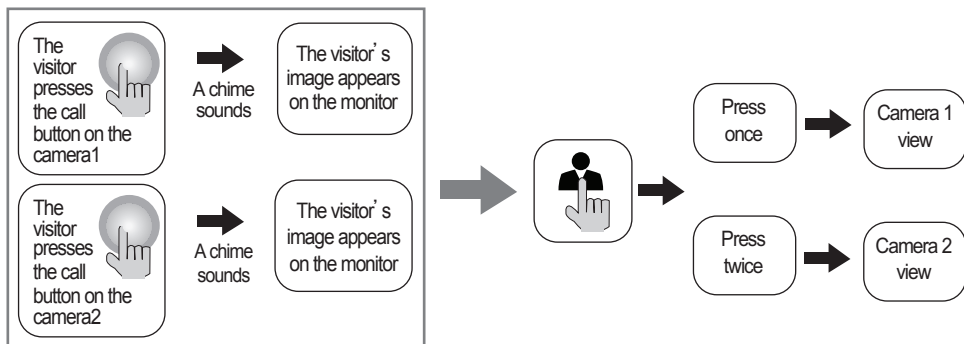
2. Communication with the optional Interphone

A visitor calls from the entrance → A chime rings simultaneously from both the monitor and interphone → Dialog begins → → Open the door

A three-way conversation can take place if the monitor or interphone is picked up simultaneously

End the dialog ← Hang-up the handset

Call from the monitor → "Tu-Tu-Tu" Sound → Dialog begins → Call to the monitor → → Dialog begins
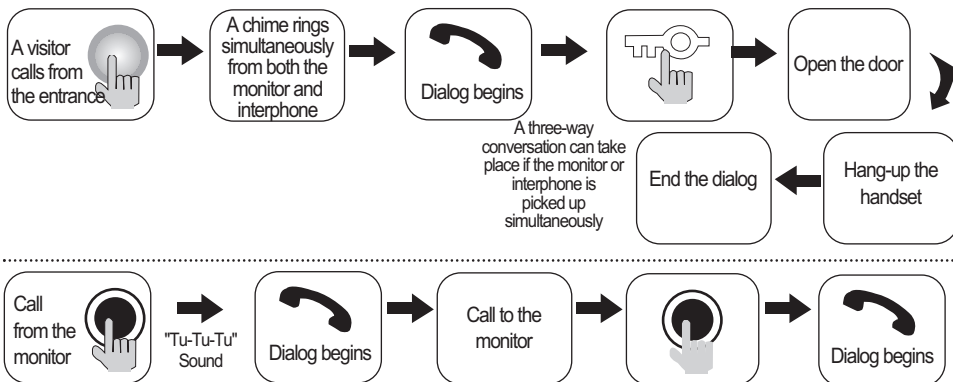
Dialog between the interphone and camera is possible only when the visitor's image is visible on the monitor screen.

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(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 Monitor button repeatedly, the monitor will work as following in order.

Camera1 ➡ (Camera 2) ➡ Camera 1 ➡ (Camera 2) ....

7. Settings

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

• **Products settings need the following 4 buttons on the right of product.**

* Start Menu / Exit : MENU button   * Select and in-put : SELECT (Interphonebutton)

* Move up / Move right : △ / ▷ (Open button)

* Move down / Move left : ▽ / ◁ (Monitoring button)

7-1. Screen setting (Brightness/Contrast/Color adjustment function)

Press the Menu button and access to DOOR VIDEO SET and enter the setting menu by pressing 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 △/▽ button on the list of DOOR VIDEO SET

  ② Press SELECT button to choose an icon.

  ③ Adjust the set value with ◁/▷ button

  ④ To complete the set, press SELECT button.

(4) RESET : Initializing

  ※ How to Reset

  ① Move to RESET menu in DOOR VIDEO SET menu

  ② Press SELECT to enter the menu.

  ③ Select YES with ◁/▷ button

  ④ Press SELECT button.

(5) EXIT : Go back to setting mode

7-2. UTILITY(additional function)

Press the Menu button and access to Utility SET and enter the menu by pressing SELECT button.

(1) CHIME-BELL VOLUME : setting call sound level

  ① Move to CHIME-BELL VOLUME icon with △ /▽ button in UTILITY Menu.

  ② Press SELECT to enter the menu.

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

  ④ To complete the set, press SELECT button.

(2) SCREEN MODE : to set for screen ratio

① ZOOM: Zoon in(expansion) image maintaining actual ratio(4:3) is shown. (full of the screen)

② 4:3: Image of 4:3 ratio without expansion is shown.(This is actual ratio for camera)

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

※ How to adjust

① Access to SCREEN MODE with △ /▽ button in UTILITY Menu

② Press SELECT button to enter the menu.

③ Adjust screen ratio value with ◁/▷ button.

④ To complete the set, press SELECT button.

(3) EXIT : Go back to Setting menu

7-3. INFORMATION (The function to check Model name & Version)

In order to check the product information, press menu button and move to INFORMATION menu with ◁/ ▷ 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(DOOR) which is shown on the screen for now.

7-4. EXIT(Finish setting menu)

8. Specifications and Features

Power source	CDV-70N2 : 100-240V~, 50/60Hz(FREE VOLTAGE)
	CDV-70ND2 : 24V ⎓ , 1A
Power Consumption	Standby : 3W, Operating : 16W
Wiring	4 wires with door camera (Polarity),
	4 wires with an Interphone (Polarity)
Screen Size	Color 7" 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℃ (32˚F ~ 104˚F)

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

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