

User Manual

Video Doorphone CDV-1020AE



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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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Warnings and caution

Make sure to follow the instructions to prevent any danger or property losses.



Warning

Death or serious injury is expected.



It indicates prohibition.



It indicates prohibition of disassembly.



It indicates prohibition of contact.



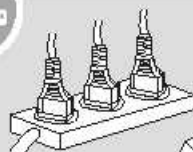
It indicates dos and don'ts.



It indicates that the plug should be pulled out from the socket.



Warning



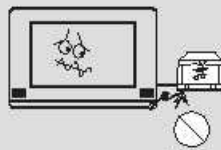
Do not put the plug in the socket simultaneously.

It may generate abnormal heat or cause a fire.



Do not connect to other products while in use.

It may cause breakdown.



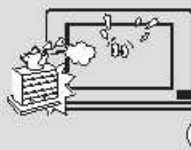
Do not forcibly bend the cord or put a heavy object on the product.

It may cause a fire.



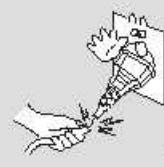
Do not use water, thinner or a detergent used to wash oil products when you wash the exterior.

Make sure to wash it by using a dry cloth to prevent any breakdown or electric shock.



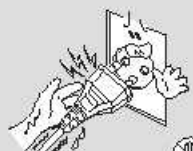
Do not install the product in a humid place.

It may cause an electric shock or a fire.



Do not forcibly pull out the cord from the socket.

If the cord is damaged, it may cause a fire or an electric shock.



Do not put the plug in the socket with a wet hand.

It may cause an electric shock.



Do not disassemble, repair or modify the product.

It may cause a fire, an electric shock or an injury due to malfunction of the product.



Do not use AC circuit breaker.

It may cause an electric shock.



Warnings and caution



Caution

An injury or property losses are expected



It indicates prohibition.



It indicates prohibition of disassembly.



It indicates prohibition of contact.



It indicates dos and don'ts.



It indicates that the plug should be pulled out from the socket.



Caution



If the socket holes are larger than normal, do not put the plug.

It may cause an electric shock or a fire.



Make sure that dust or foreign substances are not gathered on the product.



Make sure to prevent foreign substances from entering the product.

It may cause a breakdown.



Do not put a heavy object on the product.

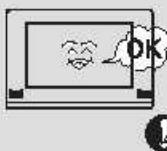
It may cause a breakdown.



Do not disassemble or give an impact to the product.



Avoid direct rays of the sun or heating devices at a time of installation.



Install the product in a flat and stable place.

Otherwise, it may not function properly.



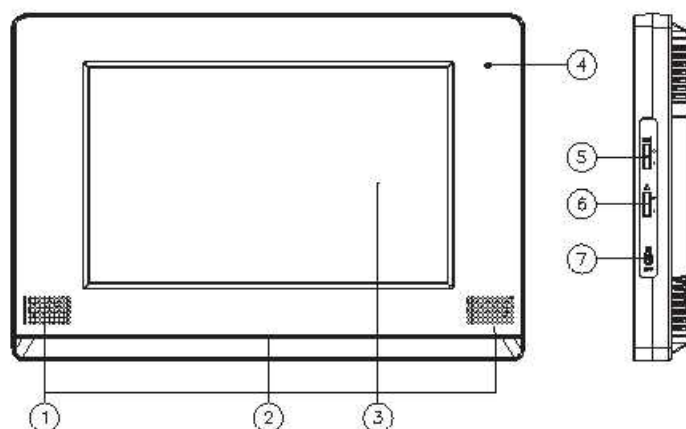
Pull the plug if the product is not used for a long time.



If the product generates strange sound, make sure to pull the plug immediately and contact Commax service center.



1. Part Names



No.	Contents
1	Speaker : Talk and Call sound
2	Mood LED
3	Touch Panel : Touch it to start operation
4	C-MIC
5	Talk volume control : Control Talk volume
6	Call volume control : Control Call volume
7	Power switch



2. Features and Main Functions

1. Features

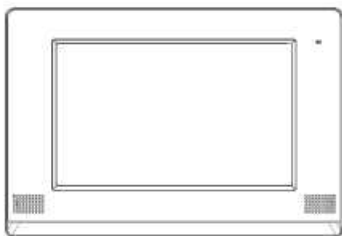
- 10.1" Wide Type Digital TFT-LCD
- Wall surface mounted type
- Free Voltage
- Touch Screen
- PIP [Picture In Picture]

2. Main Functions

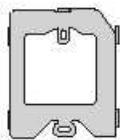
- Up to 2 door cameras
- Saving a Visitor's image (128cuts) (Manual & Auto)
- Door lock release
- Intercom
- Up to 2 CCTV Cameras
- Support 8 languages
[Korean, English, Chinese, Spanish, Polish, Turkish, Persian, Russian]



3. Packing Contents



Main Body (CDV-1020AE)



Wall Bracket



Manual



Connector
4P(3EA)
2P(2EA)



T4 X 18
Wall Bracket
Mounting Screw



M3X 6
Monitor
Fixing Screw

- Monitor
- Accessory(Connector)
- Manual
- Wall Bracket
- Fixing Screw



4. Operation

This model is a cutting-edge Videophone with PIP-Based touch screen feature.

4-1. Operation / Standby mode

After the wiring, the videophone should operate as follows,



- Once the power is on, the LED at the bottom will be turned on and GUI will be displayed. (Main Screen)
- After some time from the power is on, LCD will be turned off and LED(Blue) at the bottom will be turned on.
- Click touch panel to start GUI for use
- While it is saving the images, buttons will not work. Button will work when image saving is complete.

4-2. Talk to the visitors at the front door



- The visitor image will be displayed with Sol Mi Do sound when the visitor clicks call button on the camera. If additional monitors or interphones are installed, all screens will be turned on with call sound at the same time.
- The monitor will be turned on for 30±5sec. During the conversation, it will be turned on for 60±5sec.
- The conversation will begin when you click the Talk button at the above screen.
- If you click the center of screen in above status, the screen will come up full screen. If you touch it once again, the size of screen will return to normal. (Touch PIP screen to maximize PIP screen)
- Click "Save image icon" to save a visitor's image manually during the talk. [Refer to image save feature]

- Click "Door open" to open the door during the talk
[Camera with door lock release function should be installed]
- Click "Talk" once again to end the talk
- After not being used for a while, LCD will be turned off automatically

4-3. Interphone functions

* Call from Interphone

- Interphone icon will be displayed with call sound.
- Click "Talk" icon to start conversation.
- Click "Talk" icon once again to end conversation.

* How to call an interphone on main screen

- Click interphone icon in the main menu and touch small interphone icon to call interphone.
- When you receive the call, the conversation begins.
- Click "Talk" icon once again to end conversation.

* How to call an interphone during the conversation with door camera.

- If you click small interphone icon on the right side during the talk with door camera, interphone call will ring.
- When the call is received by interphone, the talk among videophone, door camera and interphone will be available.
- Click "Talk" icon once again to end conversation.

* Click "X" icon to return to the start-up screen.

- If more than one camera is installed [Door camera up to 2, CCTV up to 2] click switch camera icon to move to next camera image in order.

4-4. Monitoring

- On standby mode, touch the screen and click Door icon for monitoring.
(Click "Talk" to make conversation with camera)
- Click "Switch camera" on the right side to convert monitoring.
(The following scenario is the example that 2cameras and 2 CCTV are installed. If they are not installed like the example, the monitoring function of relevant camera will not work)

1) CAMERA #1 (Full) + CCTV1 (PIP)

(When there is no CCTV1 signal, only CAMERA #1 (Full) is displayed)

2) CAMERA #2 (Full) + CCTV2 (PIP)

(When there is no CCTV2 signal, only CAMERA #2 (Full) is displayed.)

- * Touch the camera screen to see it in full-screen mode. In same way touch the CCTV screen to see it in full-screen mode.



5. Play and Delete of Saved Images.

* Pictures from door camera are saved up to 128 cuts.



- You can see the 4 images at once when you touch the icon 'check the saved images', and move to next page by touching the arrows.
- When you select one picture, the picture will be displayed in full-screen mode.
- Press 'Delete' icon to delete the picture.
- On quad display mode, press 'Delete page' icon to delete the 4 images at once which are shown on the screen.



6. Setting

6-1 Setting of date and time.



- Touch icon 'Time setup' to set the year, month, date and time.
- Press 'OK' after setting, and press 'X' to quit the setting page.

6-2 Display setup



- Touch icon 'Display setup' to enter display setting mode.
- Touch the required item and touch right or left arrow to adjust. Touch the 'OK' icon to confirm and 'X' to quit.

6-3 Setting of image save and deletion of all saved images.



- Touch icon 'Save/Delete' to enter the setup mode of image save or deletion of all saved images.
- When the 'Auto Save' item is checked, every image from the door camera is saved automatically, when there is calling from the door. When the 'Manual Save' item is checked, images are not saved automatically.
- Icon 'Delete all' will delete all the images which are saved.
- Images from only door cameras will be saved only. Images from CCTV cameras are not saved.

6-4. Language Setting



- Touch icon 'Language' to enter language setting mode.
- Total 8 languages are supported. (Korean, English, Russian, Spanish, Persian, Turkish, Polish, Chinese(simplified)).
- Select required language and touch 'OK' to confirm. Touch 'X' to return to main page.
- Touch icon 'Default' to return all the settings of the monitor back to initial status. Default language is English.

** Settings, which are returned to default upon 'Default' order.

1. Language : returned to English.

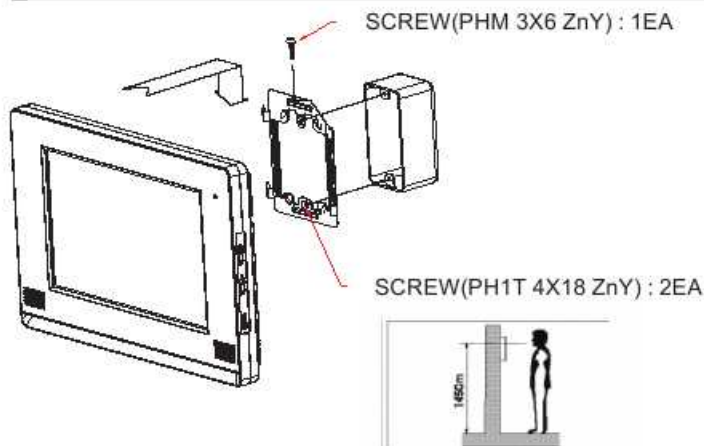
2. Color setting.

(Saves images are not deleted. You can delete all the images only in 'Save/Delete' menu.)



7. Installation and Wiring

Installation method of monitor



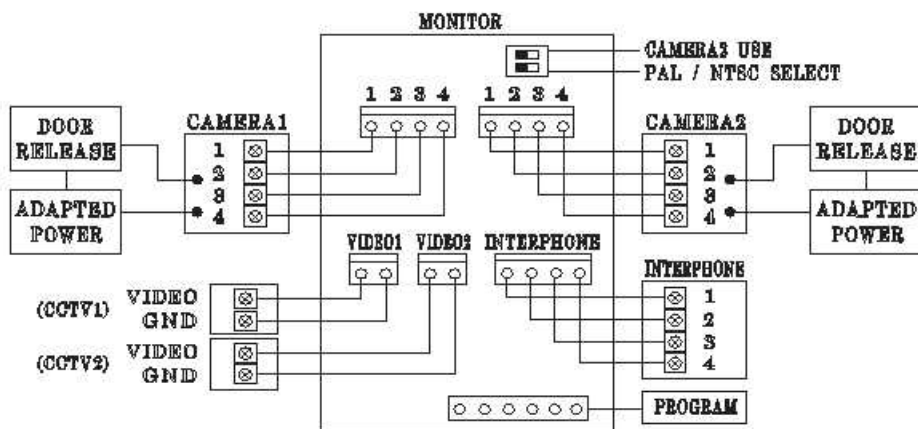
❖ Cautions on installation

- ① Please avoid the places with strong magnetism, humidity, direct sunlight, near the heating devices, as these can affect the product.
- ② Recommended height of installation is 1,450mm ~ 1,500mm from the floor.
- ③ Finish the installation before you turn on the monitor.

Connected devices.

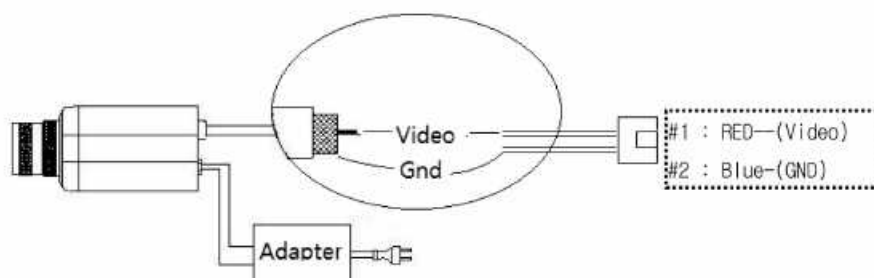
❖ Door camera : Max. 2 x door cameras. Max. 2 x CCTV cameras. Interphone.

- ① Please have the button above select switch in below connecting diagram right to activate Camera1 and Camera2.
(Please have the button above select switch left to activate Camera1 only)
- ② For use of NTSC type camera, please have the button below select switch in connecting diagram right.
(For use of PAL type camera, please have the button below select switch left)
- ③ Please turn power switch off and on for the setting of select switch.
- ④ Every connected door camera and CCTV camera should be under the same video format (PAL/NTSC) to secure proper video quality.
- ⑤ In case of using 2 monitors, 2 cameras and 2 interphones in one system configuration could slightly lower video quality.



How to connect CCTV Camera.

- ◆ Power of CCTV Camera should be supplied separately.
- ◆ Select the proper type of coaxial cable as per the distance from monitor to camera.



8. Specification

Item	Descriptions (CDV-1020AE)
Wiring	Door Camera : 4-wires, polarity CCTV Camera : 2-wires, polarity Interphone : 4-wires, polarity
Power	100-240V~, 50/60Hz
Power consumption (in operation)	17W (Max.)
Display	25.65Cm(10.1") Digital TFT-LCD
Calling sound	From Door Camera : Electronic melody (Sol-mi-do, 2 times)
Display time	60 sec. (60 sec. upon talking)
No. of saved images	128 cuts
Working Distance	From monitor to door camera : 30M(at Ø0.5) / 50M(at Ø0.65) / 70M(at Ø0.8)
Working temperature	0°C~+40°C (32°F~104°F)
Dimension	318(W)x215(H)x35(D)
Weight	1.7kg



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