User Manual

COLOR VIDEO DOOR PHONE CDV-71AM

7. Specification

Item \ Model	CDV-71AM
Wiring	CAMERA: 4wires,INTERPHONE 4wires,CCTV CAMERA 2wires
Power source	100-240V~, 50/60Hz (FREE VOLTAGE)
Power consumption	MAX : 15W, Stand-by : 3.4W
Image recording (CDV-71AM)	MAX 128 Cuts
Communication way	HANDS FREE type (Voice Switch)
Display	17.78Cm(7") COLOR TFT-LCD, Digital LCD
Call sound	COMMAX chime : 2 times Interphone : Electric chime
Video duration time	Stand-by :30 seconds, On the line : 60 seconds
Distance	Entrance: 50m ($\varnothing$ 0.65) Interphone: 20m ($\varnothing$ 0.65)
Operating temperature	0℃ ~ 40℃
Dimension	243X168X35mm

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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.

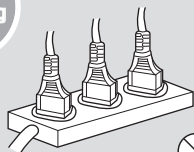It indicates prohibition of contact.

❗ It indicates dos and don'ts.

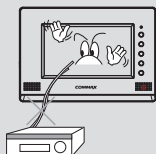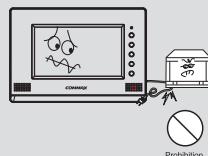It indicates that the plug should be pulled out from the socket.

Warning

Prohibition

Do not put the plug in the socket simultaneously.
It may generate abnormal heat or cause a fire.

Prohibition

Do not connect to other products while in use.
It may cause breakdown.

Prohibition

Do not forcibly bend the cord or put a heavy object on the product.
It may cause a fire.

Prohibition

Do not use water, thinner or a detergent used to wash oil products when you wash the exterior.
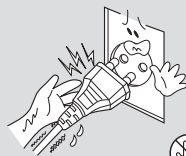Make sure to wash it by using a dry cloth to prevent any breakdown or electric shock.

Prohibition

Do not install the product in a humid place.
It may cause an electric shock or a fire.

Prohibition

Do not forcibly pull out the cord from the socket.
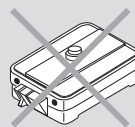If the cord is damaged, it may cause a fire or an electric shock.

Do not contact.

Do not put the plug in the socket with a wet hand.
It may cause an electric shock.

Do not disassemble

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.

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Warnings and caution

 Caution An injury or property losses are expected

It indicates prohibition.

It indicates prohibition of disassembly.
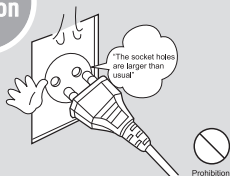
It indicates prohibition of contact.

It indicates dos and don'ts.

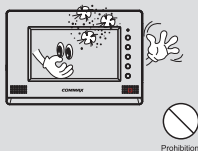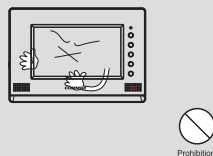It indicates that the plug should be pulled out from the socket.

Caution

"The socket holes are larger than usual"

Prohibition

If the socket holes are larger than normal, do not put the plug.
It may cause an electric shock or a fire.
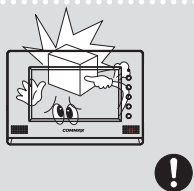
Prohibition

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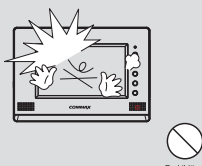
Prohibition

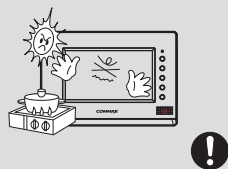**Make sure to prevent foreign substances from entering the product.**
It may cause a breakdown.

Do not put a heavy object on the product.
It may cause a breakdown.

Prohibition

Do not disassemble or give an impact to the product.

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

OK
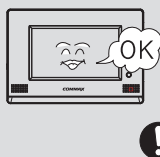
Install the product in a flat and stable place.
Otherwise, it may not function properly.

Pulling the plug

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

Pulling the plug

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

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1. Product overview

※ To display firmware version on the screen, press [▽] button

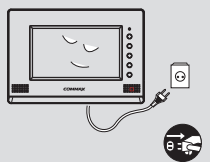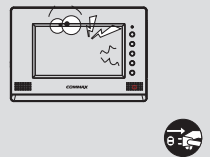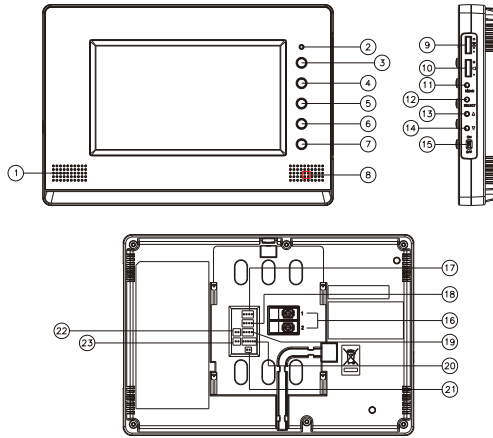※ To reset to PAL mode, press the [Select] button and [▽] button at the same time.

※ To reset to NTSC mode, press the [Select] button and [△] button at the same time.

Note : When it is reset to PAL or NTSC, all saved data is deleted and language setting is changed as English

Note : When install CCTV camera, video standard(PAL or NTSC) must be same with installed door camera

No.	Description	No.	Description	No.	Description
1	Speaker	9	Volume control button	16	(N/A)
2	On/Off & display LED	10	Calling sound level control button	17	CAMERA 1
3	Monitoring button	11	Menu switch	18	CAMERA 2
4	Interphone button	12	Camera mode select button	19	Interphone
5	Talk button		(Related with No. 13.14)	20	Debug
6	Priority talk menu button	13~14	NTSC/PAL select & reset	21	Camera 2_Use
7	Door release button		button	22	CCTV 1
8	Microphone	15	Power switch	23	CCTV 2

※ Volume control button: It is to adjust talking volume from counter side.

※ Calling sound level control button: It is to adjust calling sound

※ Screen resolution Button: Set the screen status at MENU -> GUI setting

※ Usage of camera 2(refer to no. 21 on above drawing): In order to use 2nd camera, jumper cap should be removed to activate no. 21 port.

Note : Only Camera 1 is available in factory default setting condition. In order to use camera 2, jumper cap should be removed to activate no. 21 port.

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2. Operation Methods

How to operate

● Receiving a calling from visitor

1. When the call button is pressed by a visitor at the door camera, the melody shall be rung and visitors' image is shown on the screen.

2. Press "talk" button(📞) to talk with a visitor.

   (Maximum 60 seconds is available to talk on the phone.)

3. Press "talk" button(📞) again to close and return standby mode after finish the talk.

4. Press "door release" button (🔑) to open the door while on the conversation.

● Communication with a interphone

1. Press "talk" button (📞) and "interphone" button(●) in sequence to make a conversation with the interphone connected with monitor.
   (It is available to talk on the phone for Maximum 60 seconds)

2. When receiving a call from an interphone, electrical sound shall be rung.
   Press "talk" button (📞) to start to talk.

3. When you receive a call from camera while talking with interphone, Visitor's image should be showed on the monitor.
   It shall be possible to talk between each unit, monitor, interphone and camera.

   Note : When you finish talking with visitor or interphone, press "talk" button again to close the talk mode.

● Monitoring.

(This is sample case of being installed 2 door cameras & 2 CCTV cameras. If it is not set like this, camera monitoring function shall not be deactivated.)

1. Press monitoring button (🖼), appears camera image for 30 seconds.

2. Monitoring sequence (Screen will be changed by clicking the button in following sequence below)

   1) Camera 1 + CCTV1 (PIP mode)
      a. Case 1: In case of no CCTV1 signal, screen will be switched to Camera 2 in full screen mode.
   2) Camera1 (Full screen)
   3) CCTV1 (Full screen)
      a. In case of no CCTV1 signal, screen will be switched to Camera 4(camera 2+CCTV)

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4) Camera 2 + CCTV2 (PIP mode)
   a. Case1 : In case of jumper pin is set at "CA2_USE"like picture no. 21, screen will be switched to Standby mode.
   b. Case 2 : Incase of no CCTV2 signal, screen will be switched to camera5 in full screen mode.
5) Camera 2 (Full screen mode)---In case of camera2 & removed jumper pin like picture no.21
6) CCTV2 (Full screen mode)
   a. In case of no CCTV2 signal, switched to standby mode
   (In case of jumper pin is set at "CA2_USE", CAM2 & CCTV2 are not activated.)

● **Priority talk(ₚ≫)**
When there is impeding noise that disturbs conversation from the door camera, pressing and holding the "PTT" button will deliver only the voice of the speaker from the CDV-71AM to the door camera unit to help clarify speech.

● **Recording visitors image**
※ Recording visitors' image. (Not apply to CCTV) Manual recording Press and hold the "monitoring" button (REC) for 1 second under " talk" or " monitoring" mode to save a cut of image with electric sound .Auto recording In auto recording mode, a cut of image is saved every time a visitor push the call button.
(Talk function is available by pressing talk button(📞) after finishing auto recording)

● **Function of icons**

display camera 1

display camera 2

display CCTV 1

display CCTV 2

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● GUI functions

Press the "Menu" button, then the screen will be displayed like below.

Press the button beside each arrow to execute the function.

Touch menu is not support in this menu.

 Display save images

 Setup menu

 Time setting menu

 Display setting menu

 Language setting menu

 Save setting menu

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● **Review recorded images**

Press the "Menu" button, then the screen display like below.

 , Buttons to turn 4 pages at a time

 Button to select desirable screen

 Button to switch to full-screen mode

 : Next screen   : Previous screen

 : Quad-screen view mode   : Delete current screen

(Image will be deleted after verifying pop-up menu)

 Switch screen to previous menu.

(Press the "MEMU" button to move back to main screen

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● Setup

Setting menu : system configuration menu

   Time setting menu

   Display setting menu(Brightness, Contrast, Color)

   Language setting.(Korean, English, Russian, Spanish, Persian, Turkish, Polish)

   Save menu setting: Auto save, manual save, delete all saved images

   Move to previous menu

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● **Time setting**

 , , Move to desirable sub-menu button

(Year/Month/date/hour/minute

 Enter the desirable menu button

 , , Adjusting time button

 Move back to previous menu

(Press the "MEMU" button to exit this menu)

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● Color adjustment

 , Select sub-menu on the screen

(Brightness/Contrast/Color)

 Select desirable menu button

 , Adjust display button

 Move back to previous menu button (Select subject again)

 Configuration reset button

 Move back to previous menu after finishing setting

(Color adjustment is not for CCTV but for door camera)

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● **Language setting**

한국어	Korean	Корейский	Coreano	كره اى انگليسى	Korece	Koreański
영어	English	Английский	Inglés	انگليسى	Ingilizce	Angielski
러시아어	Russian	Русский	Ruso	روسى	Rusca	Rosyjski
스페인어	Spanish	Испанский	Español	اسپانيايى	Ispanyolca	Hiszpański
페르시아어	Persian	Киатйский	Persa	فارسى	Farsça	Perski
터키어	Turkish	Турецкий	Turco	تركى	Turkce	Turecki
폴란드어	Polish	Арабский	Arabe	عربى	Arapca	Polski

Korean / English / Russian / Spanish / Persian / Turkish / Polish selectable

Select language by clicking buttons

Save setting button

Move back to previous menu after finish setting

● **Recording visitor's image (Auto / Manual)**

Press the icon

Select Auto or Manual in recording method with buttons

Complete setting by pressing the button

Maximum 128 cuts can be saved

1. Auto record setting

In Auto record setting, every visitor image will be automatically recorded whenever door camera button being pressed by a visitor.

2. Manual record setting

In manual record setting, 1 cut of visitor' s image will be recorded by being pressed the monitoring button( ) on the monitor for 1 second.

(cf. This function is not applied to CCTV)

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● **Deleting recorded images**

 ,   Move back to save menu or delete all menu with buttons.

   Move to setting menu

● **Delete all**

      Select "Yes" or "No" by pressing the buttons

   Select "Delete all" by pressing the buttons

(If "Yes" was selected, another window will appear for your reconfirmation)
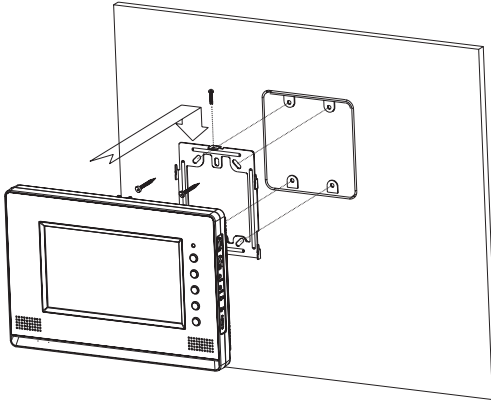
   Move back to previous menu

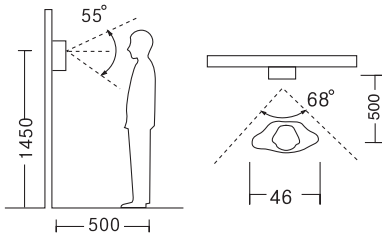(Press the "MENU" button to move back to Standby mode)

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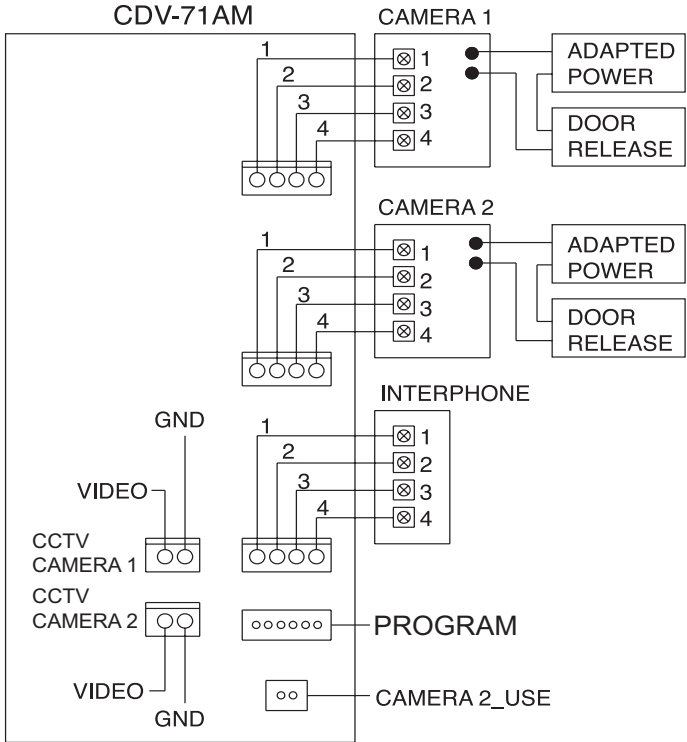
4. Installation & wiring method.
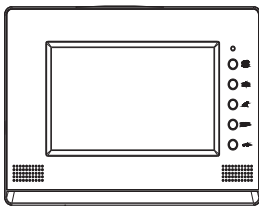
1) Installation diagram
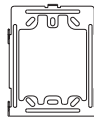

2) Installation location

Unit : mm

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2) Wiring diagram

CDV-71AM   CAMERA 1

CAMERA 1
- 1 — 1 — ADAPTED POWER
- 2 — 2
- 3 — 3 — DOOR RELEASE
- 4 — 4

CAMERA 2
- 1 — 1 — ADAPTED POWER
- 2 — 2
- 3 — 3 — DOOR RELEASE
- 4 — 4

INTERPHONE
- 1 — 1
- 2 — 2
- 3 — 3
- 4 — 4

GND
VIDEO
CCTV CAMERA 1
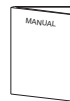CCTV CAMERA 2
VIDEO
GND

PROGRAM
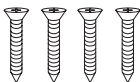
CAMERA 2_USE

5. Components
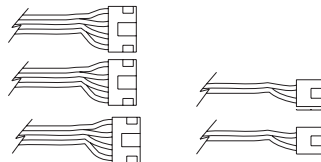

Monitor   Wall bracket   Manual   2P SHUNT
(Only No. 1 camera is available
if you insert 2P shunt(short pin))

T4 X 18
Wall bracket
Mounting Screw

M3 X 6
Monitor
Fixing Screw

Connector
(4P X 3pcs ,2P X 2pcs)

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6. Trouble shooting.

If you think that the product has trouble, please first check below contents before you ask a repair.

Troubles	Check Point	Actions
・The power supply is not on. ・All works are stopped	1.The power supply cord is missing or not. 2.The power supply switch (down) is off or not.	1. Please connect the power supply cord 2. Please turn on the power supply switch (down) pushing to the right.
・A Call operation is not performed. (Door, Interphone function)	1.The wiring between other units is connected correctly in good order or not. 2. The wiring is missing or not.	1. Please refer to connection related page and manage. 2. Please connect correctly to the terminal.
・The product does not produce the sound. (Call volume, Talk volume)	1. A sound volume lies in minimum or not.	1. Please adjust the sound volume properly turning to the up, as you want.
・The screen is dark. ・The screen is strange.	1. There is a strong reflected light behind the visitor or not. 2. The screen control is adjusted correctly.	1. Please change the angle of camera lens.

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