CDV-470IP

2EASY IP, 7-inch WiFi Monitor, Vertical or Horizontal Mounting

EN

1] TABLE OF CONTENTS

2] PARTS AND FUNCTIONS

[5]

[1]

[6]

[7]

[8]

[9]

[10]

[2]   [3]   [4]

n°	Item	Description
[1]	**LCD screen**	Displays the visitor's image.
[2]	**Unlock button**	Press to release the door.
[3]	**Talk/Mon button**	Touch to communicate hands-free with visitors. Touch to view through the door station camera in standby mode.
[4]	**Power/ Do Not Disturb Indicator**	Shows the power status of the system. Shows the Do Not Disturb status.
[5]	**Speaker**	Emits sound of ringtones, audio and alarms.
[6]	**Alarm zone**	Reserved.
[7]	**2-wire connector**	Reserved for 2EASY 2-wire systems only.
[8]	**LAN connector**	Use to connect the indoor station to the network.
[9]	**SD card slot**	Use to insert a Micro SD card (512GB max).
[10]	**Terminal connector**	SW+, SW-: Extra doorbell call button connection port. P+, P-: Use to connect 24V local power supply.

3] INSTALLATION

Mounting Box

2 x Mounting Screw (included)

Cat-5e/ Cat-6 Cable

Mounting Bracket
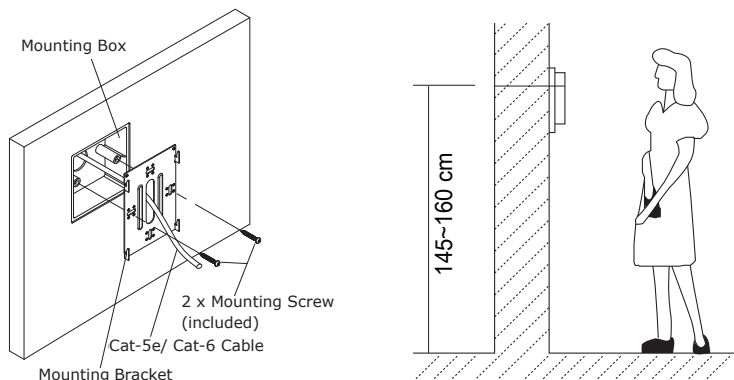
145~160 cm

The unit can be installed vertically or horizontally.
The recommended height is 145-160cm.

1. Use screws to fasten the mounting bracket to the wall with standard single gang flush lightswitch box.
2. Connect the Ethernet cable to the unit.
3. Mount the unit to the mounting bracket, making sure the unit is securely attached to the mounting bracket.

4] MAIN MENU

The Main Menu is your starting point for using all the applications on your monitor. Touch the **Unlock** button, or touch anywhere on the screen when in standby mode - the Main Menu will appear as follows:
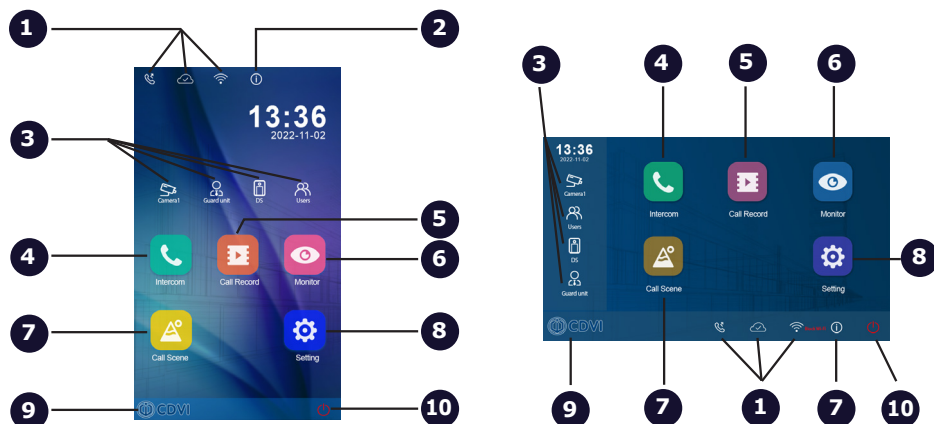
1 **Status bar**
Displays icons that indicate the indoor monitor's status (see Status bar icons).

2 **About icon**
Allows you to view information about the device.

3 **Shortcut windows**
Touch to navigate directly to the corresponding items.

4 **Intercom icon**
Allows you to call other indoor monitors.

5 **Call Record icon**
Allows you to view the call record.

6 **Monitor icon**
Allows you to monitor the door stations and cameras.

7 **Call Scene icon**
Allows you to activate the 'No Disturb' and 'Divert' functions.

8 **Setting icon**
Use to change the indoor monitor's settings.

9 **Logo**
Shows the company brand CDVI by default.

10 **Close icon**
Touch to turn off the screen.

Icon	Description	
	Missed call	Displays when there is a missed call. Touch to review the missed call.
	Do not disturb	Indicates the device is in "Do Not Disturb" mode.
	Call transfer	Indicates the device is in "Divert Call" mode.
	Device online	Indicates the device is online, but not connected to the internet.
	Cloud server is working	Indicates the device is connected to the cloud server.
	No cloud server	Indicates the device is not connected to the cloud server.
	Cloud server anomaly	Indicates the device cloud server connection is abnormal, i.e. no internet.
	Mute	Indicates the device is in "Mute" mode.
	Recording	Indicates the device is recording.
	Talking	Indicates the device is in "Talking" status.
	Unlock	Indicates that the corresponding door is unlocked.

How to switch viewing orientation

Follow the steps below to switch the menu from horizontal viewing to vertical viewing:
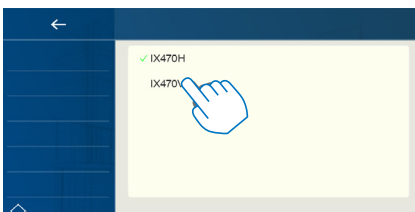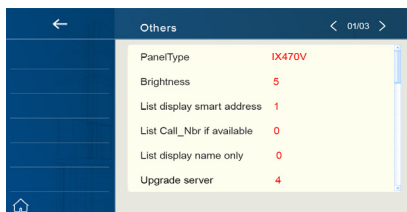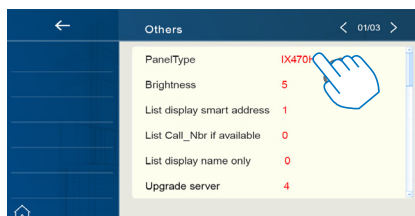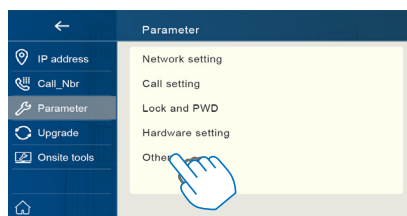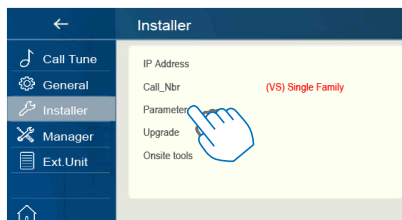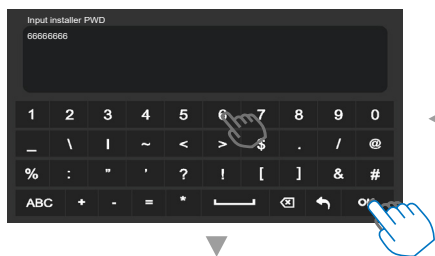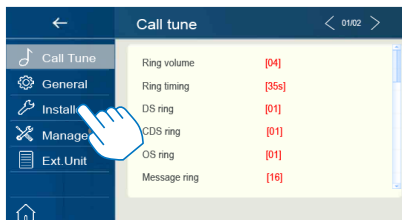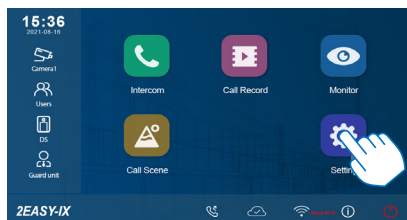
Restart the device by power cycling. The viewing orientation is now switched.

Creating viewing favourites

1. From the main menu, tap the **Monitor** icon.
2. Select the Monitor sub-menu.
3. Click the upper left corner of the item you want to select as favourite. The " ⭐ " icon will appear.
4. To revert, click the upper left corner again.
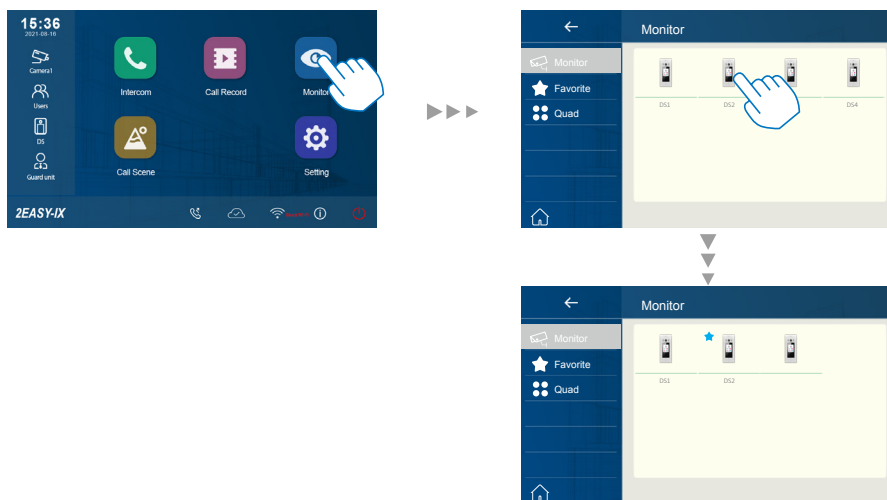
PIP View

Note: This function requires the system to access the cameras or set the camera proxy settings.

The picture-in-picture (PIP) display allows the user to see two images from different sources at the same time during the call. This helps the user to see the visitor in situation.

Press call button on door station
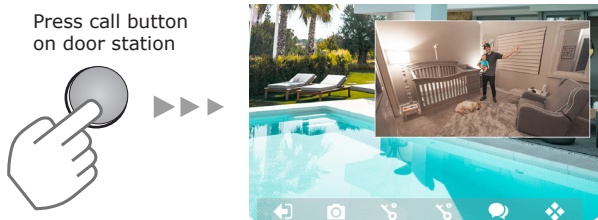
Benefits:

- Used in call mode.
- PIP to avoid dead angles.
- Both views can be seen on door station and IP camera.
- Tap to swap both images.

Quad View

Note: This function requires the system to access the cameras or set the camera proxy settings.

The Quad View display allows the user to view four images quickly and simultaneously from different video sources. With one simple click, the user can also switch screens and zoom in on a screen.
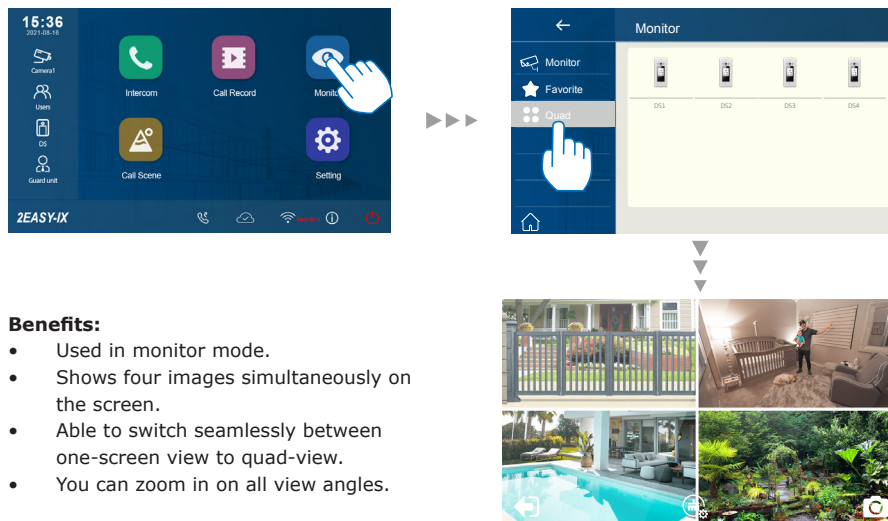
Benefits:
• Used in monitor mode.
• Shows four images simultaneously on the screen.
• Able to switch seamlessly between one-screen view to quad-view.
• You can zoom in on all view angles.

5] ANSWERING A CALL

When you receive a call, the indoor station rings. The image is displayed on the screen.

1. Touch the 🔊 icon or press the 📷 **TALK/MON** button.

   • Speak within 50 cm of the microphone.
   • Communicate hands-free with the visitor for 90 seconds.

2. When finished, touch the 🔊 icon or press the 📷 **TALK/MON** button again.

   Functions available while a call is in progress:
   • Door release.
   • Manual recording.

8

Receiving a call while talking with a door station
A call from different door station is not possible as the system is busy. You will have to end the current call to answer the new call.

Receiving a call while talking with other monitors
Communication with the other monitor stops immediately and the ringtone sounds as normal. The video image from the door station is displayed on the screen, and the following functions can be operated: Unlock the door, capture images/videos, and adjust screen & volume settings.

6] MONITORING

Use this function to monitor your home by viewing one of the cameras in apartments, common areas (e.g. garages, garden), or entrances.

1. From the main menu, tap the **Monitor** icon.
2. Select the desired type of camera.
   You can select a door station camera or an IP camera (if the system was installed with multiple door stations or IP cameras).
3. Select the desired camera.
4. When finished, tap the ← button on the panel.

During monitoring, images can be viewed, but audio cannot be heard.

Functions available during monitoring:

- Door release.
- Manual recording.

Note: Tap the monitor's quick actions to monitor a corresponding camera directly (if the monitor quick actions is set up in the shortcut windows).

7] CALLING FUNCTIONS

Call other residences, common area phones, facility staff offices, and even other rooms in your own residence.
Depending on which monitor answers the call, many of the described features in the options are available while talking on a call.

Using the namelist for calls (Multiway systems)

1. From the main menu, tap the **Intercom** icon.
    - A list of available items is displayed.
2. Select **Namelist**.
    - A list of names is displayed (if set up in the system).
3. Select the desired name.
    - You will call the recipient directly.

Inner call (Villa systems)

If you have monitors installed in different rooms in your residence, you can call the different rooms and use the system as an intercom.

1. From the main menu, tap the **Intercom** icon.
    - A list of available items is displayed.
2. Select **Inner Call**.
    - A list of monitor stations is displayed.
3. Select the desired monitor.
    - The call goes directly to your chosen monitor.

Calling a guard station (if installed)

1. From the main menu, tap the **Intercom** icon.
    - A list of available items is displayed.
2. Select **Guard Station**.
    - You will call the guard station directly.

8] VIEW CALL RECORDS

The monitor saves the records of answered, missed, made, and recorded calls in 'Call Record'. Follow these steps to view the full call record:

1. From the main menu, tap the **Call Record** icon.
2. Select the desired type of call you want to view.
        - Missed: Displays calls you received but did not answer.
        - Incoming: Displays calls you answered.
        - Outgoing: Displays calls you made.
        - Playback: Displays pictures/videos you received or made.
3. Browse the call record as needed.
4. When finished, tap the ← to return to the previous menu, or tap ⌂ return to the home page.

Play pictures and videos

You can record camera images/videos manually while talking to a visitor or monitoring camera images/videos. Follow these steps to play the recorded pictures/videos.

1. From the main menu, tap the **Call Record** icon.
2. Select the desired type.
3. Tap the desired call record.
   - The recorded images/videos are displayed.
4. When finished, tap ← to return.

Pictures and videos playback

The following controls appear when you tap the screen while playing an image/video.

▷   Plays the image/video.

〉   Plays the next image/video.

〈   Plays the previous image/video.

🗑   Deletes the image/video.

?   Confirms the deletion.

- When using the monitor without an SD card, the recording time is limited to 3 seconds. Up to 10 videos can be saved. Additional records/images/videos are overwritten, removing the oldest items.
- If a micro SD card is installed, recording is extended to 10 seconds by default (customisable for up to 600 seconds). Images are copied to the SD card.
- The monitor supports 512GB Micro SD card max.

9] DO NOT DISTURB FUNCTION

If you don't want to be disturbed, activate the DND mode.

1. From the main menu, tap the **Call Scene** icon.
2. Select the desired option.
   - No Disturb 8H: Activates the DND mode for a period of 8 hours.
   - No Disturb always: Activates the DND mode indefinitely.

- The No Disturb indicator turns from green to red, to indicate that the No Disturb function has been activated.
- This function activates immediately when selected, and the status bar on the main menu interface shows the icon.

10] DIVERT CALL

Divert calls from a door station to your smartphone. Note that this function is supported by a SIP network.

1. From the main menu, tap the **Call Scene** icon.
2. Select the desired option:

- **Divert call if no answer:** If nobody answers the call for 30s when the call comes in from the door station, it is diverted to the smartphone. In this mode, the monitor always opens the screen and shows the image from the door station during the divert. If the call is answered at the monitor, the divert ends immediately.
- **Divert call always:** When a call comes in from the door station, it is diverted immediately to the smartphone. In this mode, the monitor screen turns off after successfully diverting the call and you can still use the monitor as normal.

This function activates immediately when selected, and the status bar on the main menu interface shows the icon.

11] SETTINGS

1. From the main menu, tap the **Settings** icon. The settings list will be displayed.
2. Select the desired settings category.
3. Select the desired sub-setting.
4. Change the settings as desired.
5. Tap the ← or ⌂ icon to save the new setting.

List of Settings

♪ Call Tune ＞	Ring volume - Ring timing - DS ring - CDS ring - OS ring - Message ring - Doorbell ring - Intercom ring - Innercall ring - Alarm ring
⚙ General ＞	Date and time - Language - Monitor timing - Shortcut setting - SD card
🛠 Installer ＞	IP address - Call_Nbr - Parameter - Upgrade - Onsite tools
⚒ Manager ＞	Sipconfig - Private unlock code - Common unlock code - Card manager - Back and restore
📄 Ext.Unit ＞	Auto setup wizard - IM extensions - Outdoor Stations - IPC camera - Enter OS binding

Door station ringtone settings

1. From the main menu, tap the **Settings** icon.
2. Select **Call Tune**, and then tap **DS Ring**.
3. Select your chosen tune.
4. Tap the ← or ⌂ icon to save the new setting.

- **Ring volume:** Adjust the ringtone volume.
- **Ring timing:** Adjust the ringtone time.
- **DS ring:** Call tune from door station panel.
- **CDS ring:** Call tune from common door station panel.
- **OS ring:** Call tune from outward door station panel.
- **Message ring:** Call tune when message is received.
- **DoorBell ring:** Call tune from doorbell.
- **Intercom ring:** Call tune from the intercom of another apartment.
- **InnerCall ring:** Call tune from an intercom in your apartment.
- **Alarm ring:** Alarm tune.

Date and time settings

1. From the main menu, tap the **Settings** icon.
2. Select **General**, and then tap **Date and time**.
3. Select the features as desired.
4. Tap the ← or ⌂ icon to save the new setting.

- **Date mode:** Choose between two display modes
    - month/date/year, date/month/year
- **Time mode:** Choose between two display modes
    - HOUR_12, HOUR_24
- **Date:** Set the date.
- **Time:** Set the time.
- **Internet time:** Synchronise the system time.

Language settings

1. From the main menu, tap the **Settings** icon.
2. Select **General**, and then tap **Language**.
3. Select and change the settings as desired.
4. Tap the ← or ⌂ icon to save the new setting.

Installer password change

1. From the main menu, tap the **Settings** icon.
2. Select **Installer**, then tap **Parameter** > Enter **6666666** *(default password)* > **Lock and PWD** > **Installer PWD**.
3. Enter the new password.
4. Tap the ← or ⌂ icon to save the new setting.

> ⓘ If the password is lost, the device requires a complete factory reset. Contact CDVI Technical Support: +44 1628 531 300

Shortcut settings

1. From the main menu, tap the **Settings** icon.
2. Select **General**, and then tap **Shortcut Setting**.
3. Select the type of function for which you want to add/remove a quick action.
4. Tap the ← or ⌂ icon to save the new settings.

> 💬 Other settings are dependent on the type of system you have. Set parameters according to the specific functions provided by your system.

12] ADDRESS SET UP

1. From the main menu, tap the **Settings** icon.
   - A list of available settings is displayed.
2. Select **Installer**, and then tap **Call_Nbr**.
3. Input the password if required (66666666 by default).

Installer
Call Tune	IP address — 192.168.251.016-s
General	Call_Nbr — (VS)Single Family
Installer	Parameter
Manager	Upgrade
Ext.Unit	Onsite tools

Input installer PWD 123

1	2	3	4	5	6	7	8	9	0
_	\	|	~	<	>	$	€	/	@
%	:	"	'	?	!	[	]	&	#

ABC + - = * ⌫ ↩ OK

Call_Nbr
- ✓(VS)Single Family
- (SS)Standalone Apartment
- (NS)Networked System
- Restore Call_Nbr default
- Update Call_Nbr from RES

Call_Nbr
IP address	Device_Addr — (VS)Single Family
Call_Nbr	MS_Nbr — (1)Master
Parameter	Name — IX471
Upgrage	Global_Nbr — -
Onsite tools	Local_Nbr — -

Device_Addr:

- **(VS) Single Family:** For single villa one-to-one installation, there is no need to input room numbers.
- **(SS) Standalone Apartment**: For standalone building, tap to input room numbers (1 to 4 digits).
  E.g.: Tap **(SS)** and input 0001 for a room in a standalone building.
- **(NS) Networked System:** For multiple buildings, you must input an 8-digit number (first 4 digits for building/block number, last 4 digits for room number).
  E.g.: 00010003 - 1st building, 3rd monitor; 00030005 - 3rd building, 5th monitor
- **Restore/Update from RES:** Reserved for configuring database files (RES files) for updates and backups.

MS_NBR: Master and slave number. 01 is the master monitor, 02-32 are slave monitors.
Name: The name input here will automatically sync to the door station's calling list.
Global_Nbr: Extra call number for door stations which commonly call this monitor.
Local_Nbr: Extra call number for a door station in the same building which calls this monitor.

Certificate address settings

To ensure the settings, the call address ,and the monitor's IP address are fixed and locked in, it is necessary to do the below certification procedure. This will ensure that both address and IP address can't be changed or modified once set up.
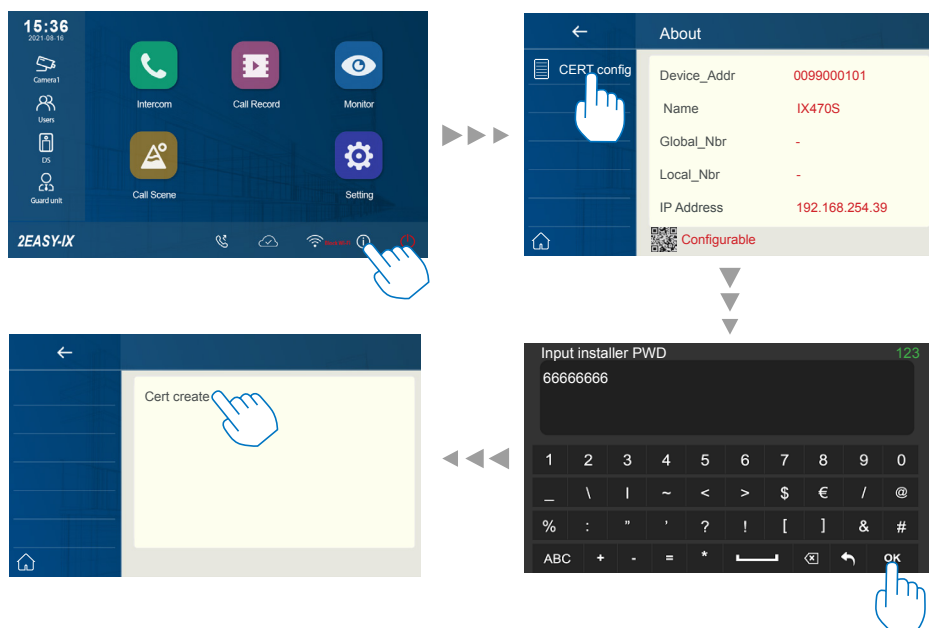
Delete certificate

Delete the certification if you need to set up the IP address or address again.
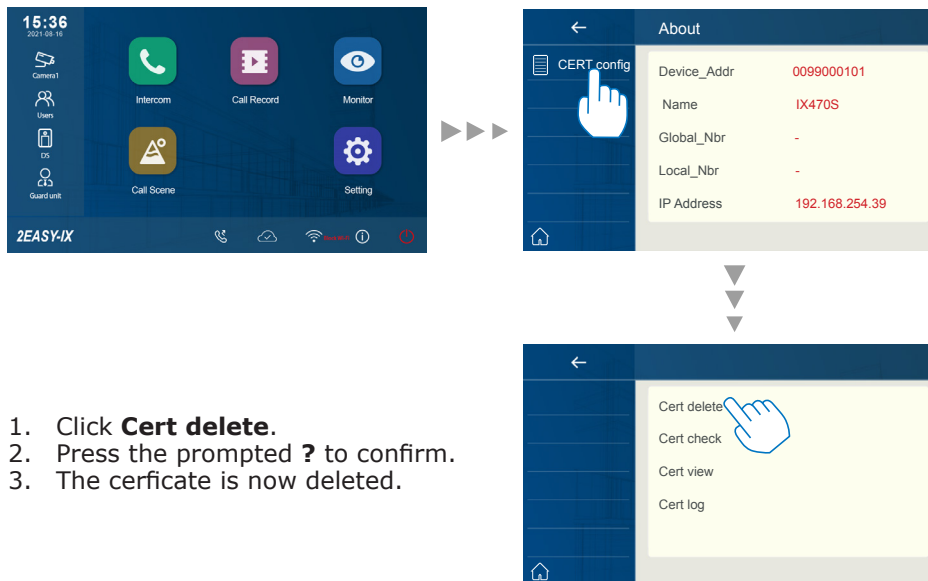
1. Click **Cert delete**.
2. Press the prompted **?** to confirm.
3. The cerficate is now deleted.

Other procedures:

- **Cert check:** Check if the certification is working normally.
- **Cert view:** Check the certification's content.
- **Cert log:** Check the certification's change log.

Check current status
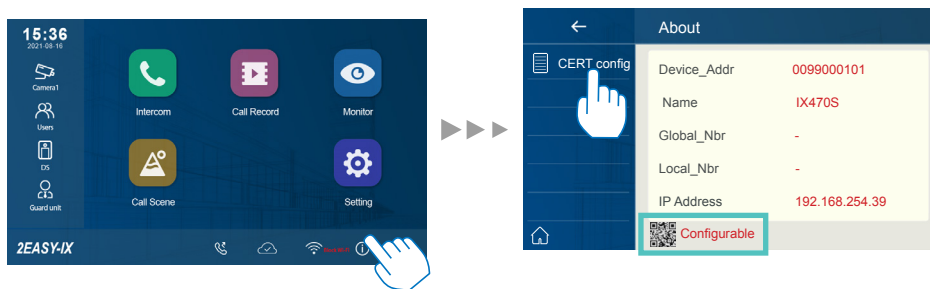
- **Delivered:** The device's certification has been created and it is not possible to configure the address and IP address.
- **Configurable:** There is no certification in this device and you are able to change the address and IP address settings.

13] UPGRADE

1. From the main menu, tap the **Settings** icon.
    - A list of available settings is displayed.
2. Select **Installer**, and then tap **Upgrade**.
3. Input the installer password (66666666 by default, or no password when the door station has installer mode enabled)
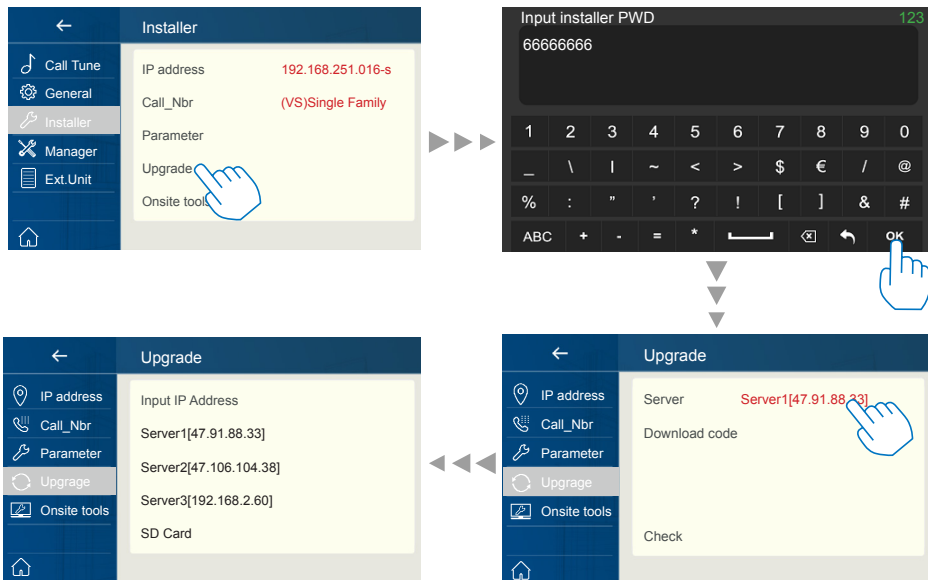
> Contact CDVI Technical Support (+44 1628 531 300) to obtain the code, then select Download code and enter the given code when the device needs to be updated. Touch 'Check' to load the upgrade information from the source.

Touch **Server** to select the firmware source:

1. Cloud Server: Cloud server requires internet.
Server1[47.91.88.33]
Server2[47.106.104.38]

2. LAN server (IX -Builder)
Use IX-Builder PC software to create a temporary local server for update.
Server3 [192.168.2.60]   #IX-Builder default IP
[Input IP address]

3. SD card
Upgrade from SD card file.

 Screen messages:

● **Please insert SD card**: #The upgrade is too large, requires SD card to store firmware.
● **Mismatched**: #Firmware update was found, but is not suitable for this device.
● **Connect Error**: #Check networks.
● **No file**: #Source has been inspected but there is no required firmware upgrade.

> **Important:** Do not power off the device during upgrades.

14] SIP CONFIGURATION

Divert calls to your mobile phone while you are away from home thanks to the SIP servers.

←	Manager
♪ Call Tune	SIP config
⚙ General	Private unlock
🔧 Installer	Common unlock code
🔧 Manager	Card manager
📄 Ext.Unit	Backup and restore

▶▶▶

←	SIP config	< 01/03 >
	SIP enable	[Enable]
	Sip Network Setting	Lan
	Divert account	0e001c134fab
	Divert PWD	6983
	SIP Server	47.106.104.38:5068
	Re register	

←	SIP config	< 02/03 >
	Use default	
	Remote mon code	1000
	Remote call code	2000
	Local account	04001d34e135
	Local PWD	****
	SIP port	5069

Touch **Use Default** to restore all settings in "SIP config" and create 2 SIP accounts, one for the CDV-470IP monitor and one for the VDP Connect app. The server restores the passwords to default. This is useful when:
• Your CDV-470IP monitor is not brand new: Select "Use default" before testing.
• The VDP Connect app is not able to register on the server.

Touch **Re-register** to clean all SIP "contact" on the server. The CDV-470IP will try to register itself to the server. This is useful when:
• The VDP Connect app is not able to get push notifications.
• The CDV-470IP monitor shows WiFi connectivity, but the "Server" icon has "!" or "x" next to it.

> (!) **Important:** Always use 'Re-Register' after using 'Use Default'.

15] HOW TO ADD AN IP CAMERA TO AN IP MONITOR

Preparation

Select the appropriate IP camera to access the system on demand and set parameters for the IP camera.
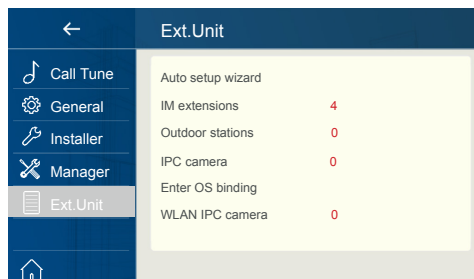
• **Video Codec:** An Onvif IP camera is added to the IP monitor, as long as the IPC supports the following video codec: H264B/H264/H264H/H265/H265+
    - MJPEG decoding is not supported.
    - Some IPC support both audio and video streams - select video stream.
• **Preset the IP camera before connecting it to the monitor:** The setting interfaces of each IP camera are different. Set the following parameters according to your model.
• **Network:** Choose to set DHCP or STATIC depending on the system.
• **Video:** Each type of video stream requires separate settings.

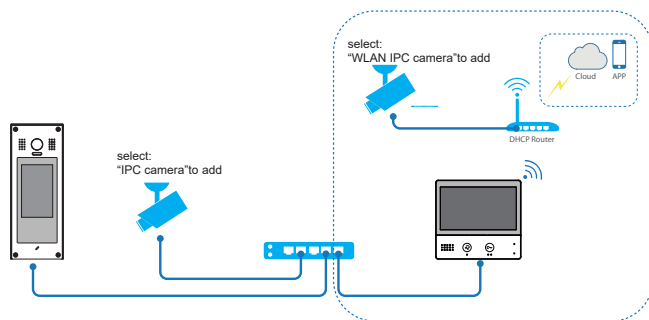|	Main Stream (Full screen)	Sub Stream (Quad view)	Tri Stream (App view)
Encoding	H264 or H265 (MJPEG is not supported)		
Resolution	1280 x 720	640 x 480	320 x 240
FPS (frames per second)	Acceptable setting range: 15 ~ 18, 15 is recommended		
Bit Rate	700 ~ 1024 kbs	512 kbs ~ 640 kbs	512 kbs ~ 640 kbs
Bit Rate Control	CBR is recommended		

Adding the IP Camera to the CDV-470IP On-Site

1. Select the correct setting according to your installation.

←	Ext.Unit	
Call Tune	Auto setup wizard	
General	IM extensions	4
Installer	Outdoor stations	0
Manager	IPC camera	0
Ext.Unit	Enter OS binding	
	WLAN IPC camera	0

The setting depends on how the monitor is connected to the router, where the IPC is located:

select:
"WLAN IPC camera"to add

Cloud   APP

DHCP Router

select:
"IPC camera"to add

Select **WLAN IPC Camera** to add the camera, if the connection to the PoE or router is wireless (with IPC attached).

select:
"WLAN IPC camera"to add

ROOM1
select:
"IPC camera"to add

Cloud   APP

PS-12V

DHCP Router

Wireless connection
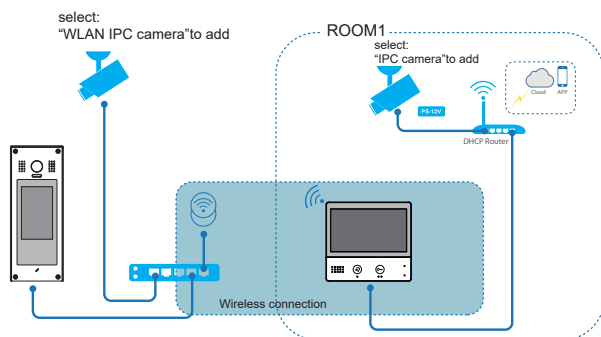
Select **IPC Camera** to add the camera, if the connection to the PoE or router is wired (with IPC attached).

2. Add camera by search or add it manually.
3. Login.
4. Save.

To **delete** the camera go to: Main menu > Settings > Ext.Unit > IPC camera / Wlan IPC camera > Delete.

16] DOWNLOAD & SET UP VDP CONNECT APP

1. Scan the following QR code and download the VDP Connect app, or search 'VDP Connect' on your app store.

Search: VDP Connect

2. Grant the app permissions when prompted: On the IP monitor, tap the 'Cloud' icon on the main menu, and stay in 'SIP config'.
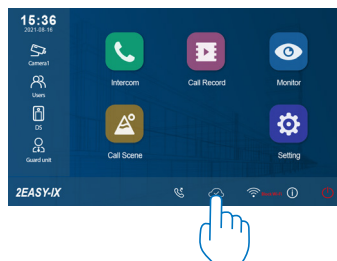
3. On the VDP Connect app touch the 'Scan' symbol as shown below. Scan the QR code shown on the monitor.
Note: Touching the QR will enlarge the displayed code.

4. After logging into the SIP account on the VDP Connect app, check the status bar, or tap on the 'Connected' area to manually register, until the app displays this screen:

For iPhone Users
In the app go to Account > Call > Enable 'CALLKIT and 'Early Media'.

17] VIEWING DOOR STATION VIA VDP CONNECT APP

On the VDP Connect app, press on the door station icon and wait a few seconds. If the system has multiple door stations, you can switch to view the door station you want. Touch the PTT icon to talk, or touch the Unlock icon to open the door.

18] SPECIFICATIONS

Feature	Description
Power Source	PoE (IEEE 802.3af Class 0)
LAN Interface	10 BASE-T / 100 BASE-TX Ethernet (RJ-45)
Monitor Screen	7-inch digital colour TFT
Display Resolution	1024 x 600
Wire Type	Cat-5e or Cat-6
Wiring Distance	100m (Approx. 330')
Operating Temperature	-10°C to 50°C
Dimension	161(H) x 174(W) x 22(D) mm

19] PRECAUTIONS

1. All components are to be protected from violent vibration. Do not allow the unit to be impacted, knocked, or dropped.
2. Clean with a soft cotton cloth. Do not use organic or chemical cleaning agents. If necessary, use a little pure water or diluted soapy water to clean the dust.
3. Image distortion may occur if the video monitor is mounted too close to a magnetic field e. g. microwaves, TVs, computers etc.
4. Keep the monitor away from moisture, high temperatures, dust, caustic and oxidised gases in order to avoid unforeseen damage.
5. Use the right adaptor supplied or approved by the manufacturer.
6. Pay attention to the high voltage inside the products. Please refer service only to a trained and qualified professional.

CDVI Group
FRANCE (Headquarters)
Phone: +33 (0) 1 48 91 01 02
....

CDVI FRANCE + EXPORT
+33 (0) 1 48 91 01 02
www.cdvi.fr

CDVI AMERICAS
+1 866 610 0102
www.cdvi.ca

CDVI BENELUX
+32 (0) 56 73 93 00
www.cdvibenelux.com

CDVI GERMANY
+49 (0) 251 798477 0
www.cdvi.de

CDVI SUISSE
+41 (0) 21 882 18 41
www.cdvi.ch

CDVI IBÉRICA
+34 (0) 935 390 966
www.cdviberica.com

CDVI ITALIA
+39 (0) 321 90 573
www.cdvi.it

CDVI MAROC
+212 (0) 5 22 48 09 40
www.cdvi.ma

CDVI NORDICS
+46 (0) 31 760 19 30
www.cdvi.se

CDVI UK
+44 (0) 1628 531300
www.cdvi.co.uk

CDVI POLSKA
+48 (0) 12 659 23 44
www.cdvi.com.pl

All the information contained within this document (pictures, drawings, features, specifications and dimensions) could be perceptibly different and can be changed without prior notice. - Aug 2024

www.cdvi.com