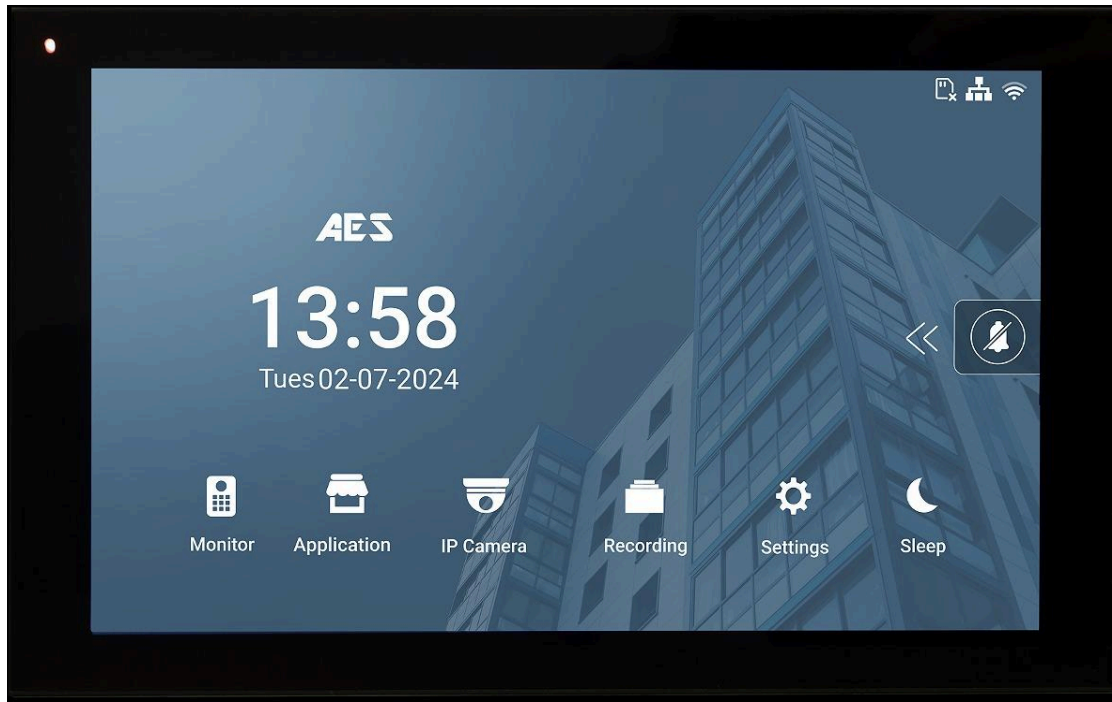


User Manual

IP - Android Monitor (Opyn Monitor)



The information in this document may be changed as we always strive to improve the product. Trust that the information provided is accurate at the time of document release.

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Technical Specifications

GENERAL	
Material	Glass & ABS
Approvals	CE-RED, FCC, ROHS
Dimensions 7"	178.6mm (W), 109.6mm (H), 17mm (D) 7in (W), 4.3in (H), 0.6in (D) 0.6in (D)
Dimensions 10"	247.5mm (W), 168.5mm (H), 16.6mm (D) 9.7in (W), 6.6in (H),
Operating Temp	-10 ~ +55
Power Supply	12-15v DC / 48v POE (802.3af)
SD Card Storage	8-128GB
Operating System	Android 12
System	2GB DDR, 16GB FLASH
SCREEN	
Screen Type	7" or 10" IPS TFT
Screen Resolution	1024x600 or 1280x800
VIDEO	
Video Codec	H.264/H.265
AUDIO	
Audio Streaming	Full duplex with echo cancellation algorithm
Audio Codec	G.711U & G.711A
NETWORK	
WIFI	802.11 b/g/n, 2.4GHz & 5GHz
Ethernet	IEEE 802.3
Supported Protocols	TCP/UDP/RTP/RTSP/HTTP/SIP

Packing Contents

1x Android Monitor

1x Wall Mount Bracket

1x POE Plug

4x Mounting Screws

4x Wall Plugs

Desk Mount (Sold separately) (7" Model Only)

Installation & Setup

1. Preparation

Install Preparation



Monitor



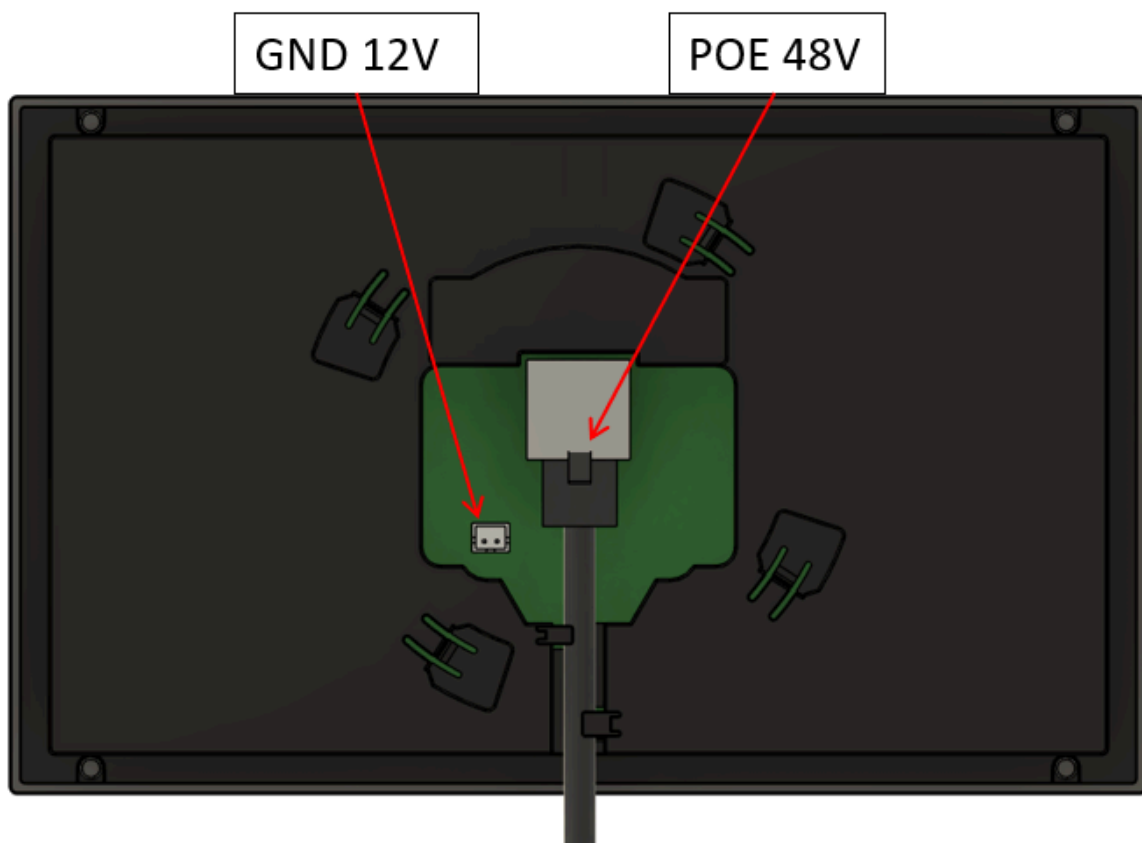
POE Plug



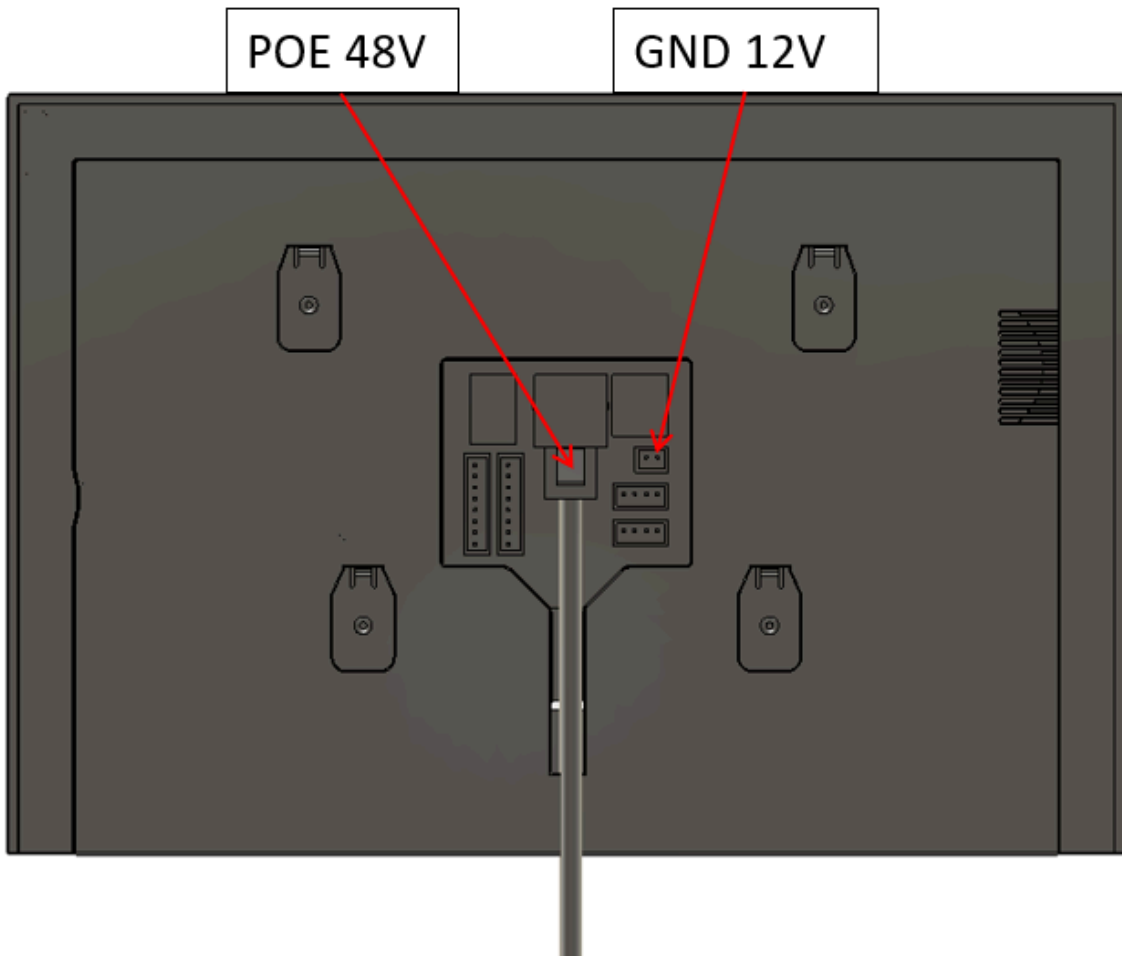
Wall Bracket

2. Wiring

7" Model



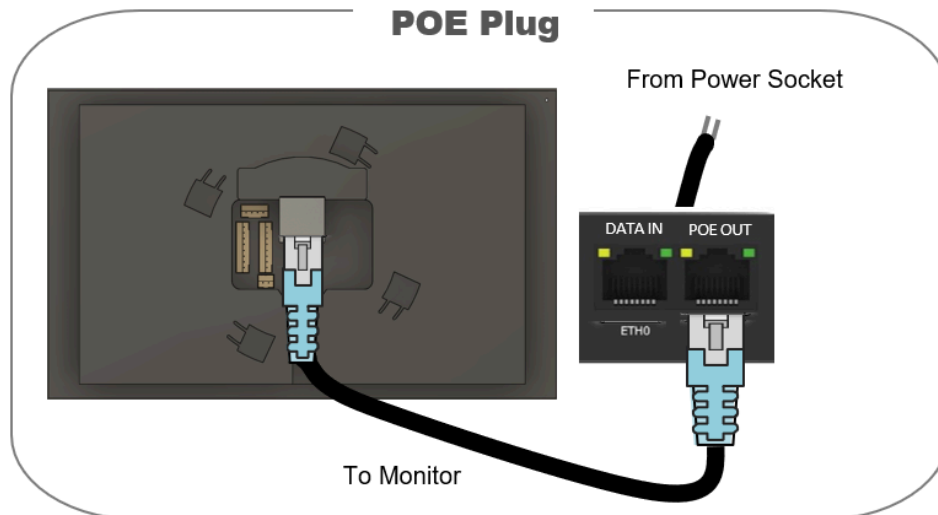
10" Model



POE - Power-Over-Ethernet, can provide both power and/or network to monitor
GND/12V - DC power option if PoE is not being used.

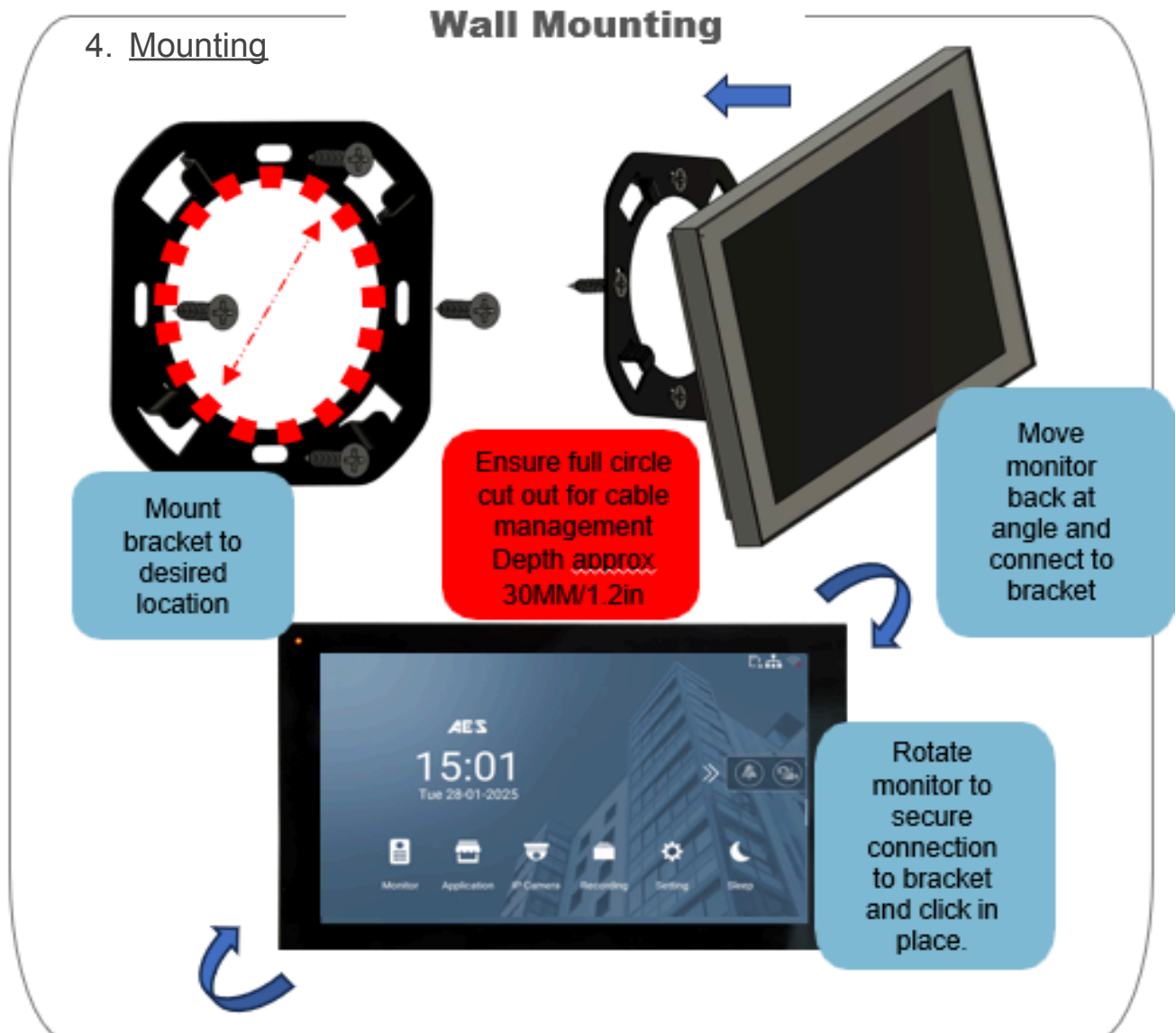
3. Power

You can power the monitor using the included PoE adapter, which supplies **48V** via the PoE connection. The adapter features two ports: one for Power over Ethernet (PoE) and another for a standard LAN/Ethernet network connection.

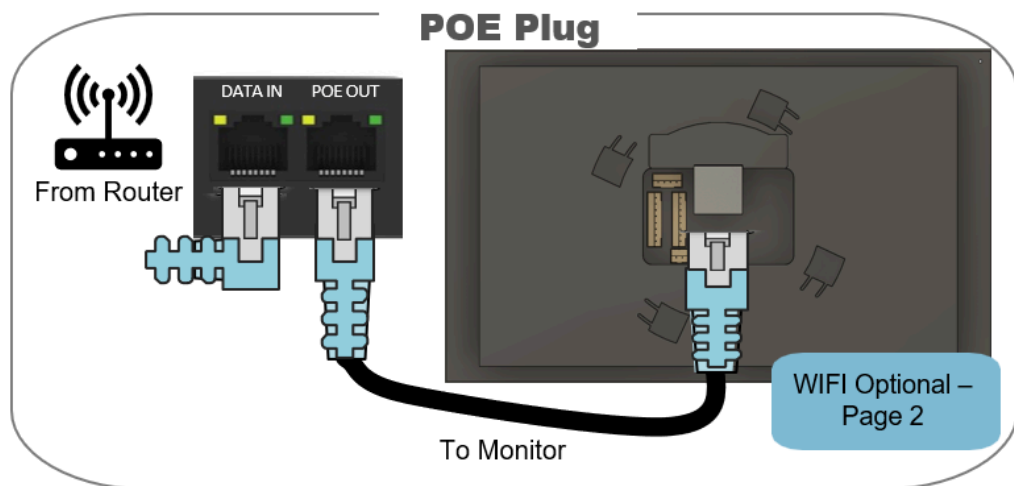


4. Mounting

Wall Mounting



5. Network Connection



WI-FI CONNECTION

If you don't wish to use Ethernet for network connection, you can use WIFI.

1

Select "SETTING"

2

Select "WIFI"

3

Select "WIFI Config"

4

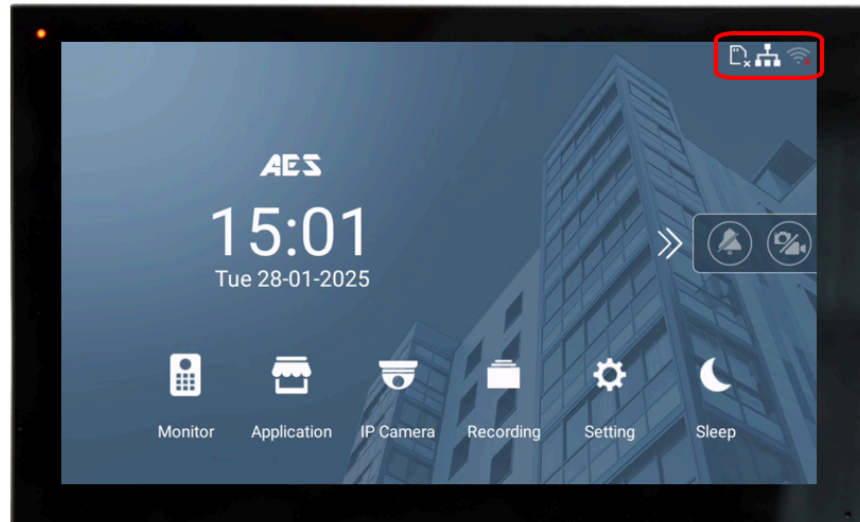
Select desired network and enter selected password.

Note: Make sure WIFI is toggled ON

Features

1. General

a. Icons



- SD Card. Will appear with or without an “X” depending on if an SD card is inserted or not.

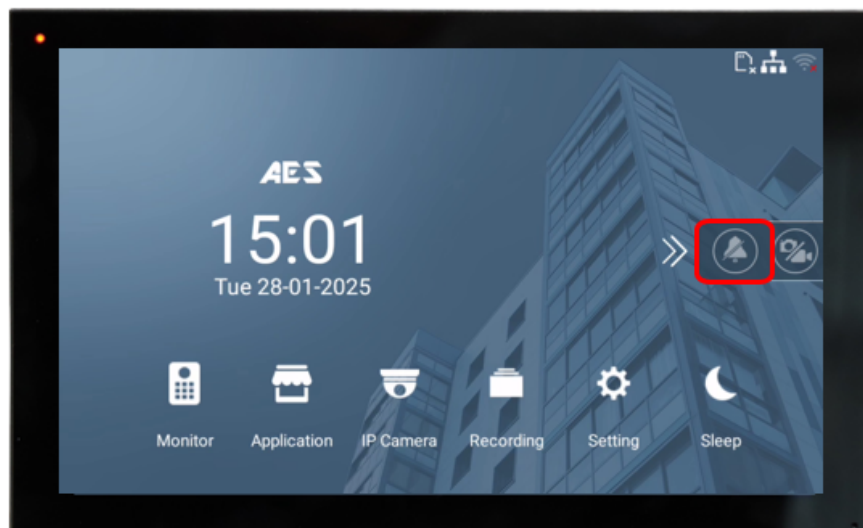


- Ethernet. Will appear with or without an “X” depending on if an Ethernet connection is established or not.



- WIFI. Will appear with or without an “X” depending on if a WIFI connection is established or not.

b. Mute



Disable sound coming from the intercom due notifications & calls

c. Image/Video Capture

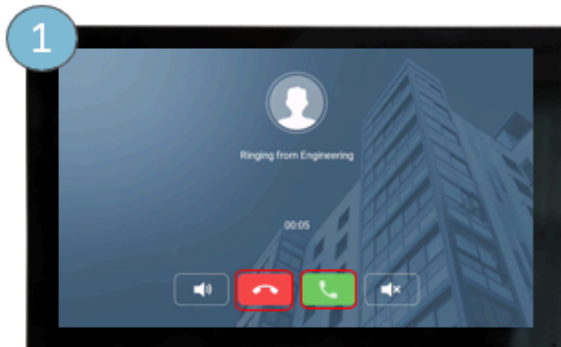


Set the monitor to capture a picture, a video or neither upon receiving a call (SIP Call Only)

d. Incoming Call

**INCOMING CALL
(SIP)**

Answer a call made to monitor via SIP



Accept or Decline the call



After "Accepting" your key features are:

- Relay Activation** – Click the key icon to see the option of 2 relays to activate.
- 2-Way Speech** – Click the "Green" phone to open communication.
- Exit Call** – Click the "Red" phone to exit the call.

**INCOMING CALL
(APP)**

Answer a call made to monitor via APP



Accept or Decline the call



After "Accepting" your key features are:

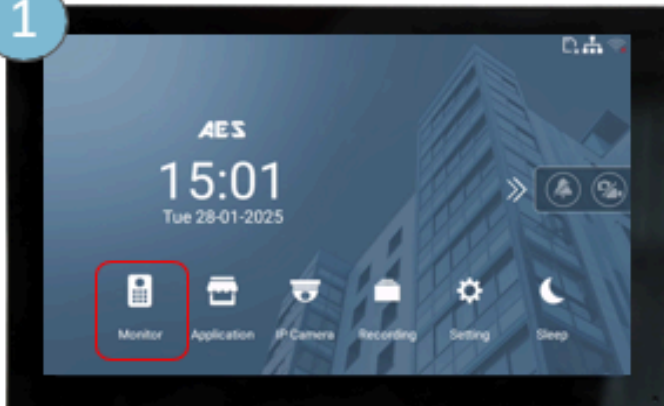
- Relay Activation** – Click the lock icon to see the option of 2 relays to activate.
- 2-Way Speech** – Click the microphone to open communication.
- Exit Call** – Click the "arrow" in the top left corner to exit the call.

2. Monitor

ADD INTERCOM (MONITOR)

Add your Opyn devices to be viewed and controlled without use of the app via P2P

1



Select "Monitor"

2



Click the "+" icon

3



Enter all relevant information for the Intercom.

Device Type:
Door Panel = Intercom
Indoor Panel = Another Monitor

IP Address: The intercoms IP address.

DTMF: Default for DTMF tones are as seen in photos

Note: Ensure P2P Mode is ticked in the top right corner.

4

Follow the instructions for your device

Opyn: Go to "SIP Configuration" in the mobile app and add the Monitors IP under the P2P Mode.

Opyn Multi: Select the user of the monitor on the management portal. Go to "SIP Settings" and add the Monitors IP under P2P Mode.

5



You can now view your intercom via the monitor and enjoy features such as:

- 2-Way Speech
- Relay Control
- Capture Picture/Video

3. Application

How to access the “AES Opyn” app.

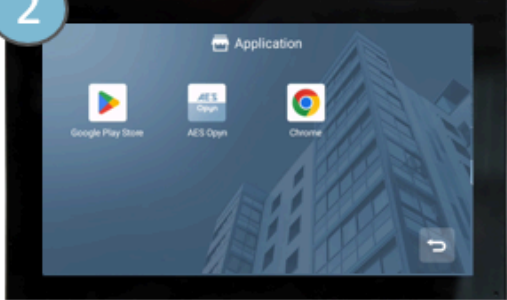
Note: You may also download other apps you may want via the “Google Play Store”.

1

The monitor displays the AES logo at the top, followed by the time 15:01 and the date Tue 28-01-2025. Below this is a row of icons for Monitor, Application, IP Camera, Recording, Setting, and Sleep.

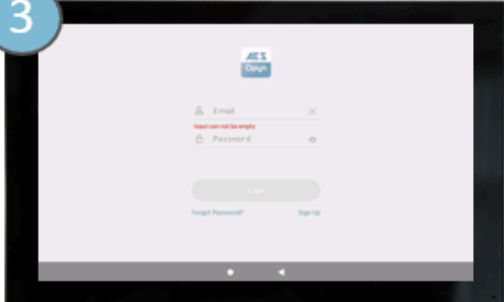
Power on the monitor and wait for it to finish booting up.

2

The monitor displays the 'Application' menu with three icons: Google Play Store, AES Opyn, and Chrome. The AES Opyn icon is highlighted.

Under “Application” select the “AES Opyn” app.

3

The monitor displays the AES Opyn login screen. It has fields for Email and Password, with a red error message 'Application not be empty' under the Password field. There are links for 'Forgot Password?' and 'Sign Up'.

Create an account or login if you already have one.

4

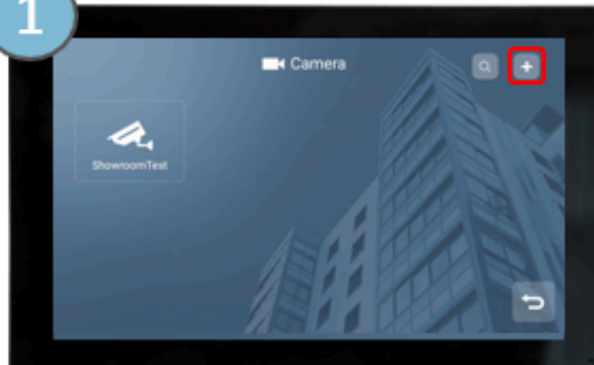
A large QR code is displayed on the screen, which is used to scan and download the AES Opyn app from the Google Play Store.

Scan QR CODE to the OPYN QSG for app instructions.

4. IP Camera

ADD IP CAMERA

1



From the home screen click "IP Camera".

Here you can view existing IP cameras or add new ones using the "+" icon.

2



Enter a display name, IP address and login details for the IP Camera.

Then press the green tick to add.

3

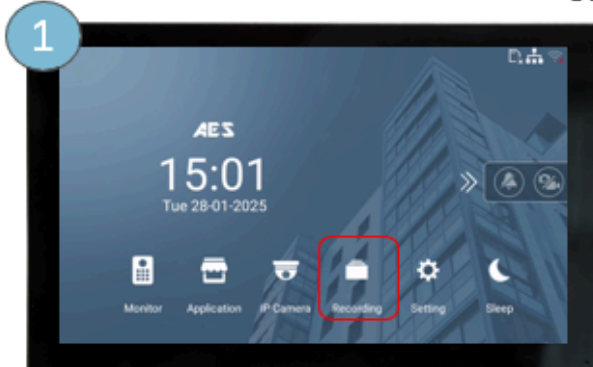


- Take snapshots or video recordings of the feed.
- Swap between cameras if you have multiple and
- Exit the view using the icons on the screen.

5. Recording

RECORDING

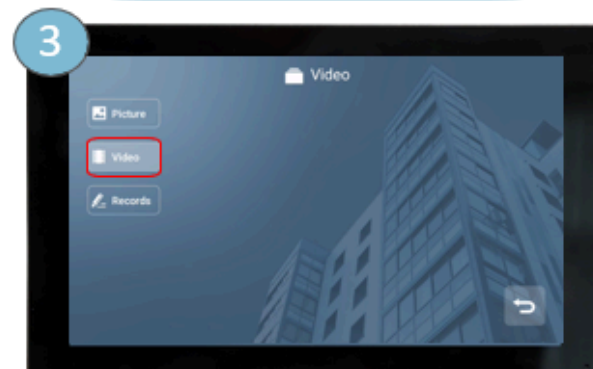
View Pictures, Videos and Call Records that has been captured using "Monitor" or "IP Camera".



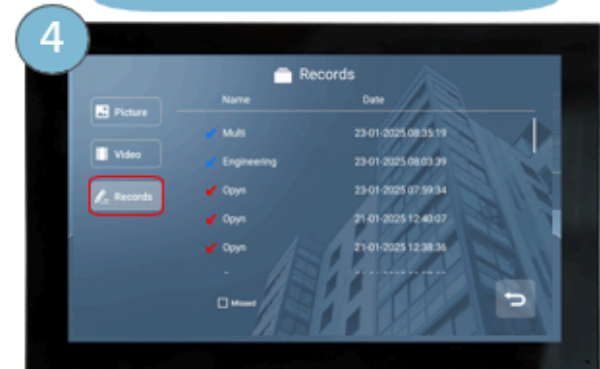
Select "Recording"



In "Picture" see images saved on the Monitor



In "Videos" see recordings saved on the Monitor

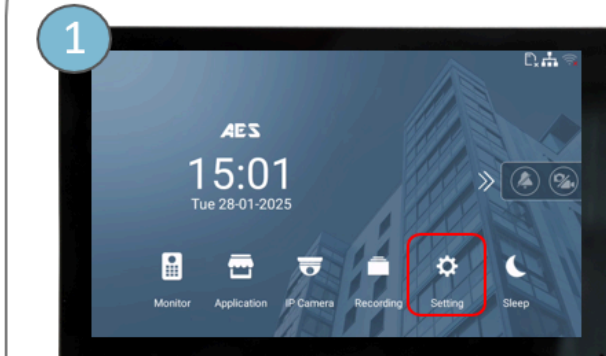


In "Records" call history made using SIP calling from Intercoms.

6. Setting

SETTINGS

Access the monitor settings



Select "Setting"



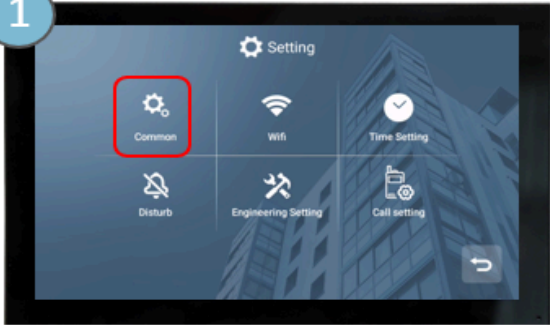
You can now see all your settings options

a. Common

**COMMON
(General)**

Access the general settings of the monitor

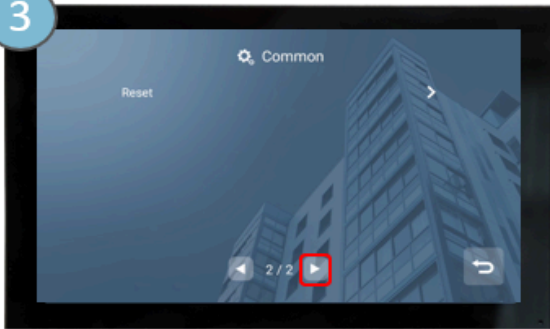
1



2



3



Select "Common"

You can now see all the settings options

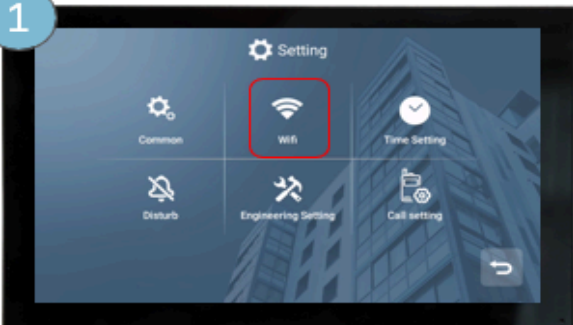
Navigate to the 2nd page to see the remaining options

b. WiFi

WIFI

Access the monitors WIFI settings

1



2



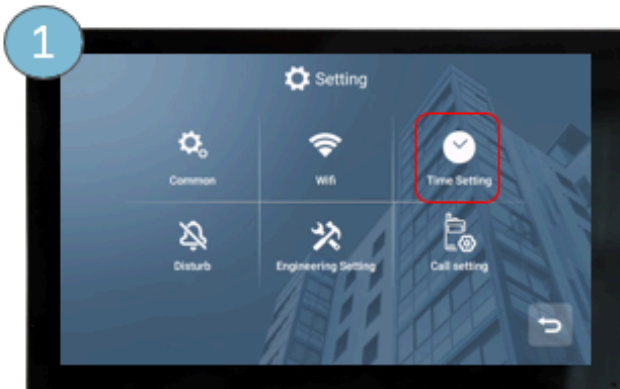
Select "WIFI"

WIFI Config – Connect to a network
WIFI Info – See network info and IP
Static IP – Set a static IP

c. Time

TIME

Access the monitors TIME settings



Select "Time Setting"



Enable or Disable NTP Server

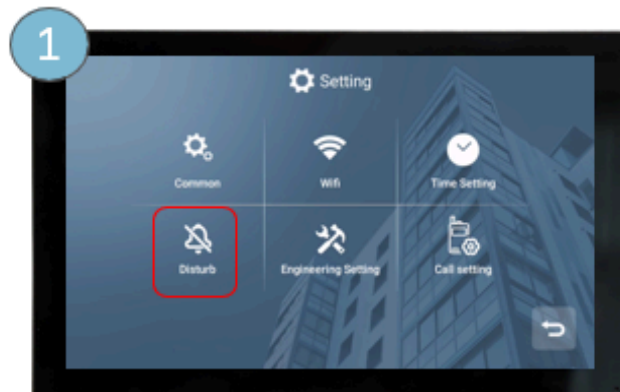
Manually Select Time Zone

Set Time Format

d. Disturb

DISTURB

Access the monitors do-not-disturb settings



Select "Disturb"



Enable or Disable "Do not Disturb" (DND)

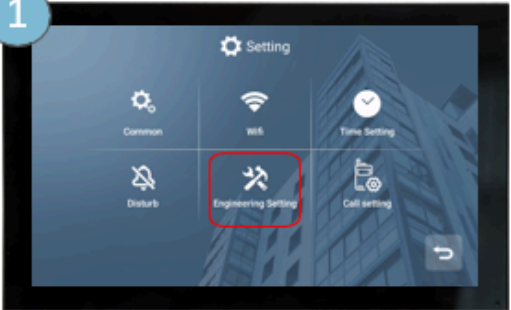
Set up a schedule for when its enabled

e. Engineering

ENGINEERS

Access the monitors engineer's settings

1



Select "Engineering Setting"
Default code to get access is: 0000

2



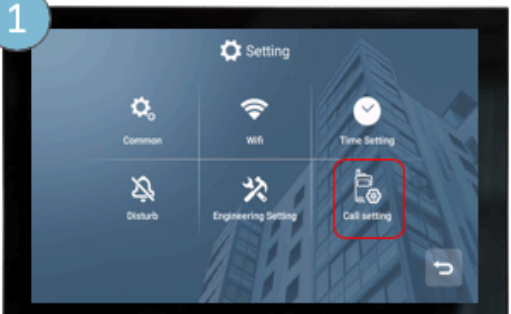
System Reset – Factory reset the monitor
PIN – Change the Engineers PIN code.
IP Setting – See the device Ethernet IP address.
SIP Account – Configure SIP account.

f. Call Settings

CALL SETTINGS

Access the call settings of the monitor

1



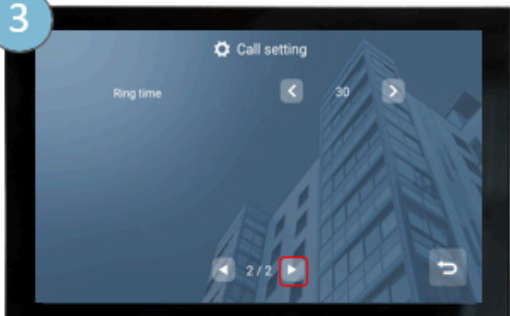
Select "CALL SETTING"

2



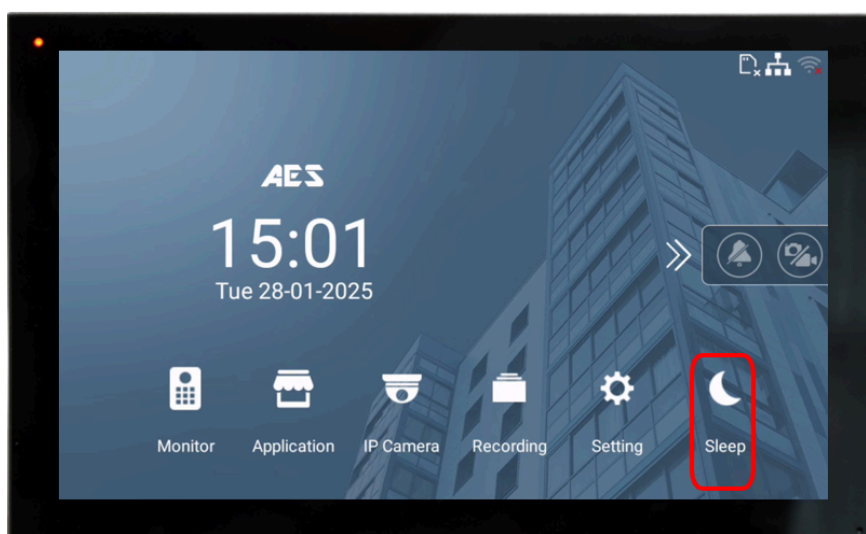
You can now see all the settings options

3



Navigate to the 2nd page to see the remaining options

7. Sleep



Will put the monitor into sleep mode. Turning off the screen while the monitor is running in the background. You will still be able to receive calls and notifications.

Warranty

Please note, by installing this product, you are accepting our warranty terms. This warranty is a “return to base” 2-year manufacturer’s warranty.

For full warranty terms and conditions contact the AES Technical Support Team

Certifications

CE-RED

Manufacturer: Advanced Electronic Solutions Global Ltd

Address: Unit 4C, Kilcronagh Business Park, Cookstown, Co Tyrone, BT809HJ, United Kingdom

Complies with the following essential requirements for:

EN 301 489-1 V2.2.0 (2017-03) (Electro-Magnetic compliance)

EN 301-489-17 V3.2.0 (2017-03) (Electro-Magnetic compliance)

EN 62479:2010 (Maximum output power)

EN60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013(Electrical Safety)



Notified body: Shenzhen HUAK Testing Technology Co., Ltd.

CNAS Number: L9589

This declaration is issued under the sole responsibility of the manufacturer.

Signed by:

Paul Creighton, Managing Director. Date: 8th July 2025

FCC

FCC ID: 2ALPX-OPYN-MON

Grantee: Advanced Electronic Solutions Global Ltd



FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1).This device may not cause harmful interference, and (2). This device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This device must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.