

# FUTURO VIDEO DOORPHONE

## Monitor

Model : FUTURO-SD4 (Photo Memory feature / GUI)  
FUTURO-SD4B (No Photo Memory feature)

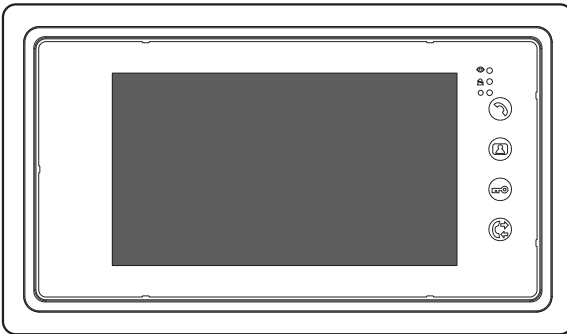
## Door Station

Model : FUTURO-CZ4 (Surface mount )  
FUTURO-CP4 (Flush Mount)

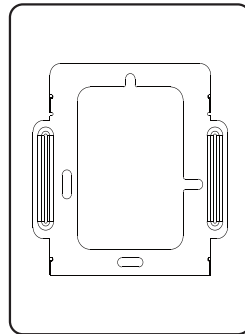
It is very important to install and operate this product according to the following instructions. Failure to do so may render your guarantee void.

### 1. The Monitor includes following items:

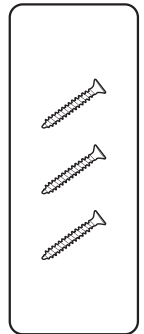
- 1x monitor
- 1x adapter
- 3x screws
- 3x plastics plug
- 1x bracket for the monitor
- 1x TF card (MicroSD)



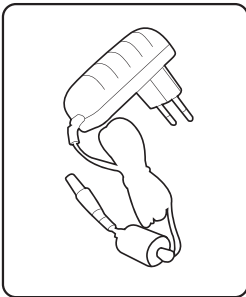
Monitor



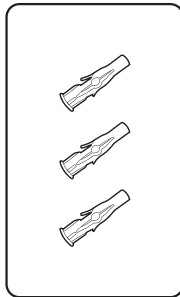
Bracket



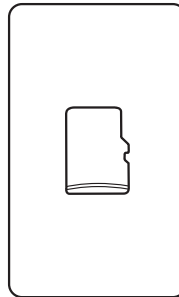
3x screws



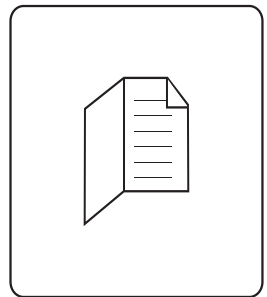
Adapter



3x plastics plug



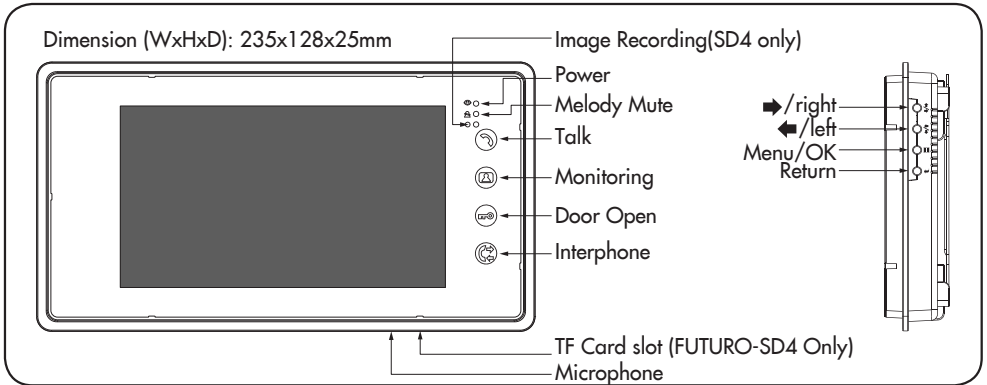
TF card  
(SD4 Model only)



Instruction Manual

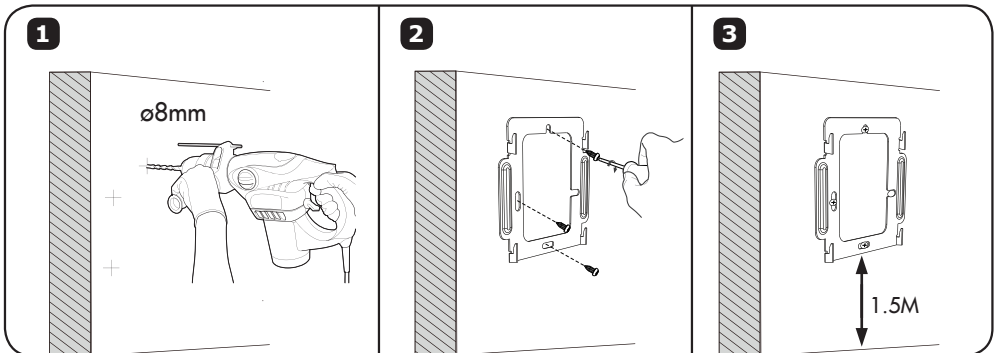
## 2. Monitor

### 2.1 Description

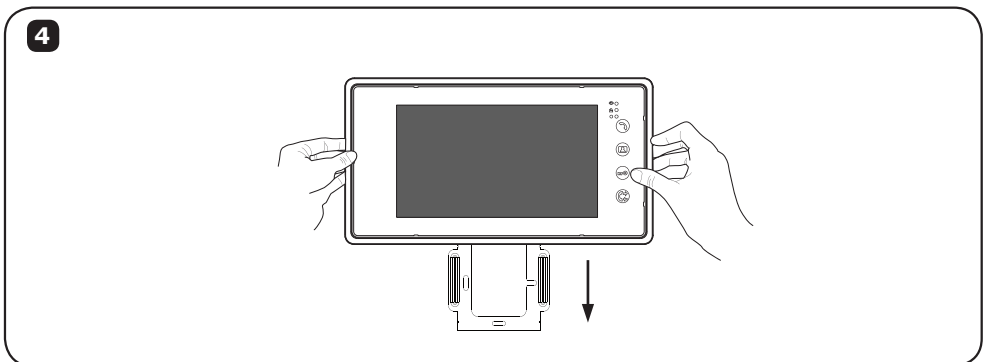


### 2.2. Installation

Mount the bracket on the wall with screws and do the wiring according to the wiring diagram in next page.



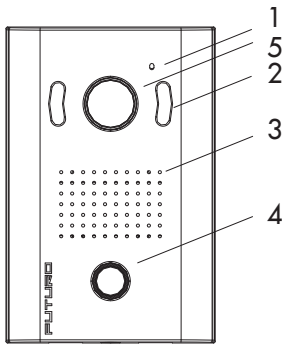
Connect necessary wires to the terminal and mount the monitor on the bracket.



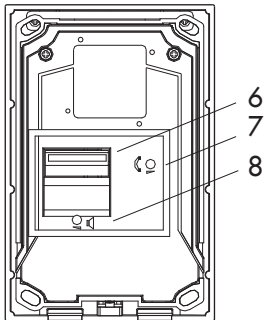
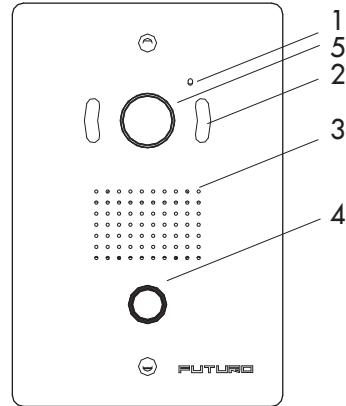
### 3. Door Station

#### 3.1 Description

**FUTURO-CZ4**



**FUTURO-CP4**

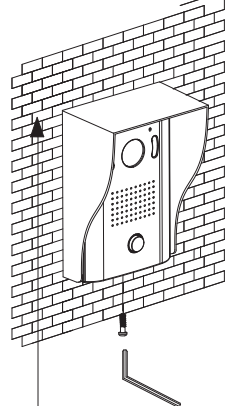
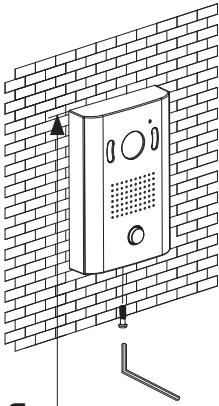
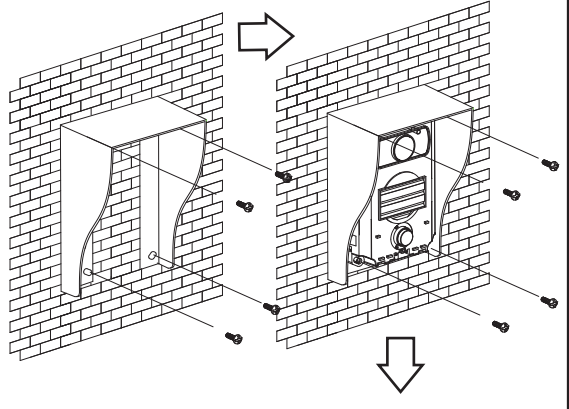
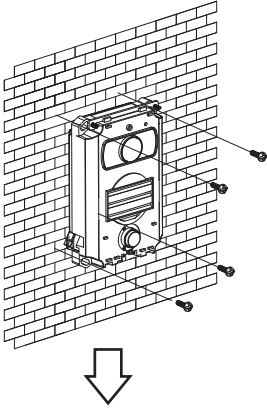


1. Microphone
2. LEDs for Night vision
3. Speaker
4. Call button
5. Camera
6. Terminals
  - A : Audio
  - G : Ground
  - B : 12V DC from Monitor
  - V : Video to Monitor
  - D/O : Door Open
  - M+ : DC Power for automatic recording by motion detection
7. Microphone Sensitivity Adjustment
8. Speaker Volume Adjustment

## 3.2 Door Station Installation

### 3.2.1 FUTURO-CZ4

With Weatherhood  
( Optional )

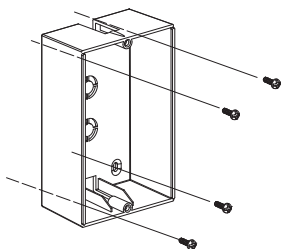
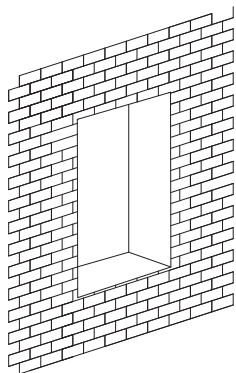


150Cm

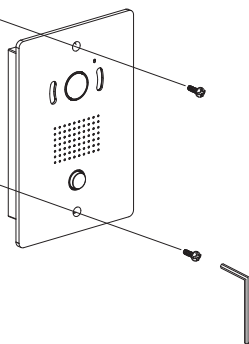
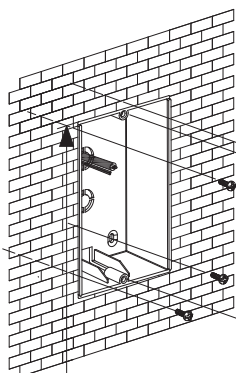
150Cm

Overall Dimension  
(W/H/D)  
99 x 148 x 28 mm

### 3.2.2 FUTURO-CP4



Embedding Box  
Dimension (W/H/D)  
98x155x55 mm

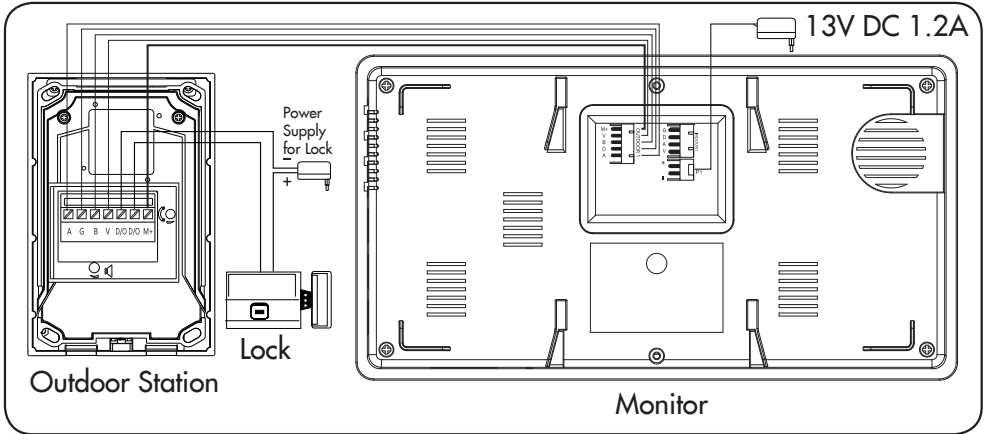


150Cm

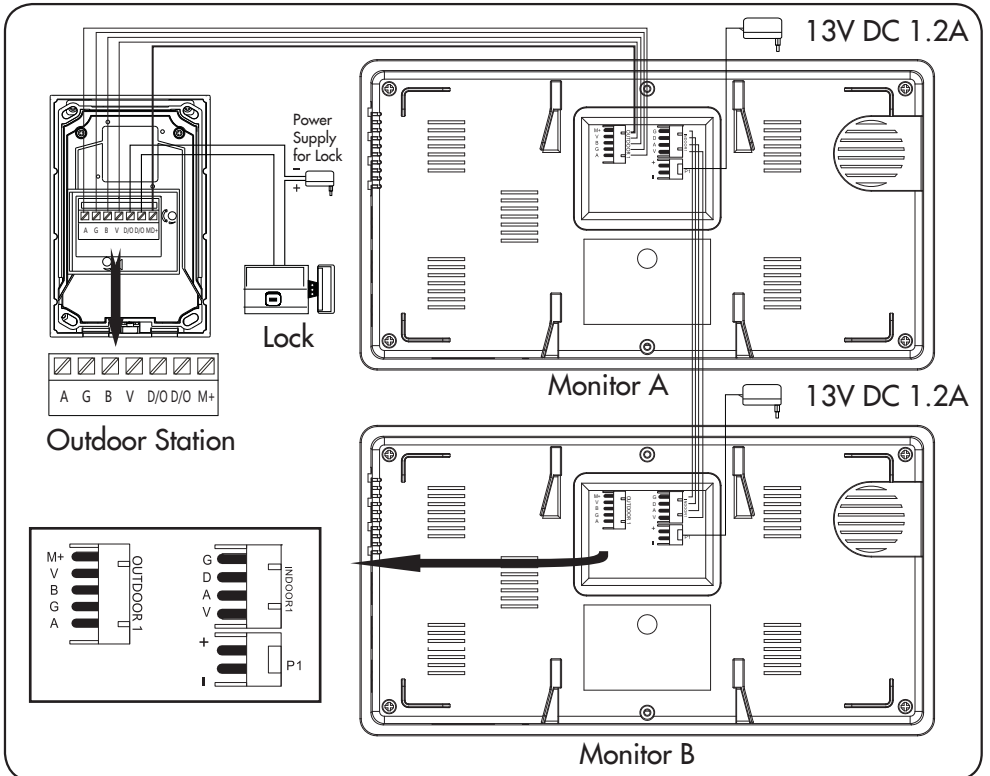
Cover Plate  
Dimension (W/H/D)  
128x182x4 mm

## 4. Wiring diagrams

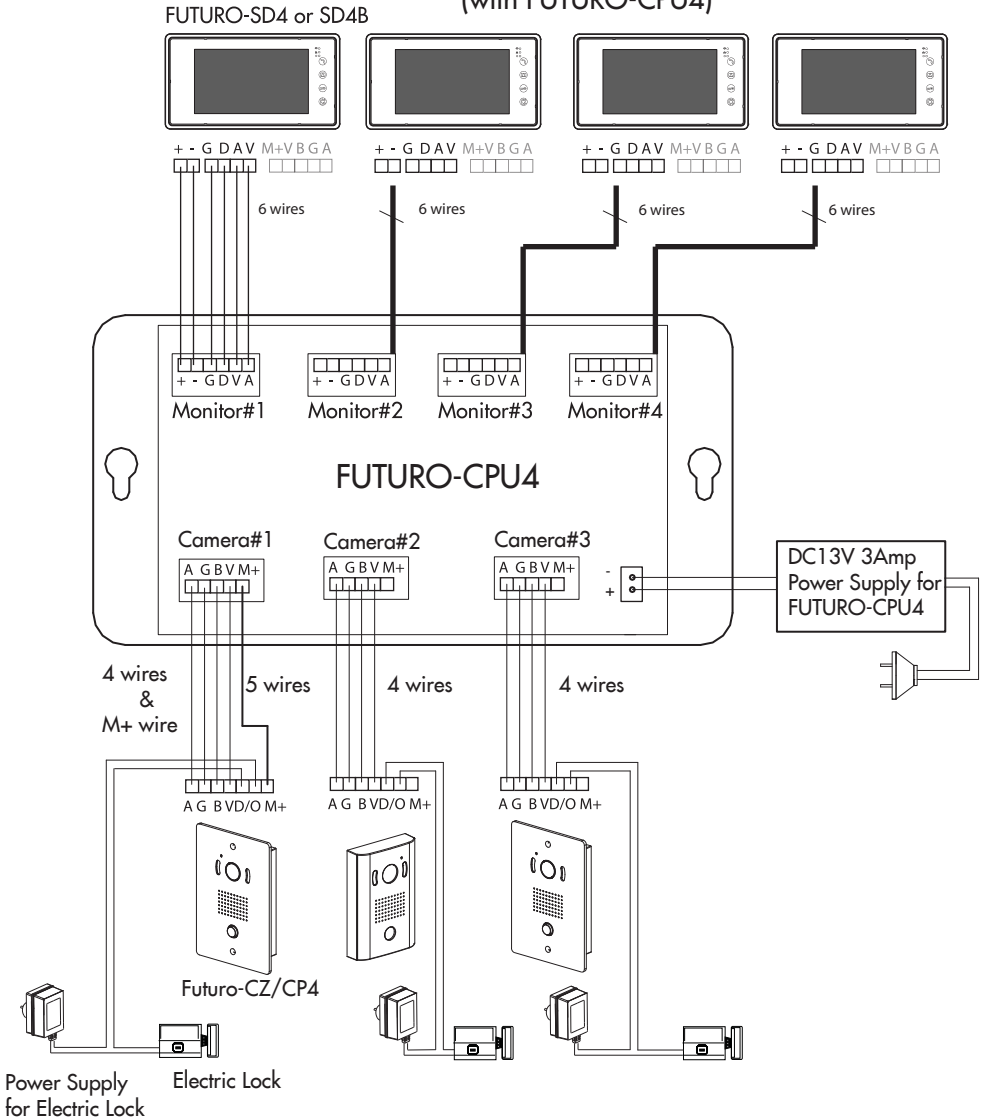
### 4.1. Typical diagram #1: One outdoor station with one monitor(FUTURO-SD4/4B)



### 4.2. Typical diagram #2: One outdoor station with two indoor monitors



### 4.3. Typical diagram #3: 3 outdoor stations with 4 monitors (with FUTURO-CPU4)



#### Camera Terminal description

A	Audio	4.6VDC when standy, 12V DC when Door Open
G	Ground	0V
B	B+	12V DC power from Monitor
V	Video	Composit Video signal to Monitor
D/O	Door Open	Dry contact output for Electrical Door Strike
M+	Motion+	Optional 12V DC from Monitor for Automatic Recoding by Motion Detection. Only available to Camera#1

## Monitor Terminal description

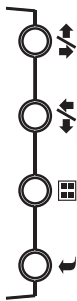
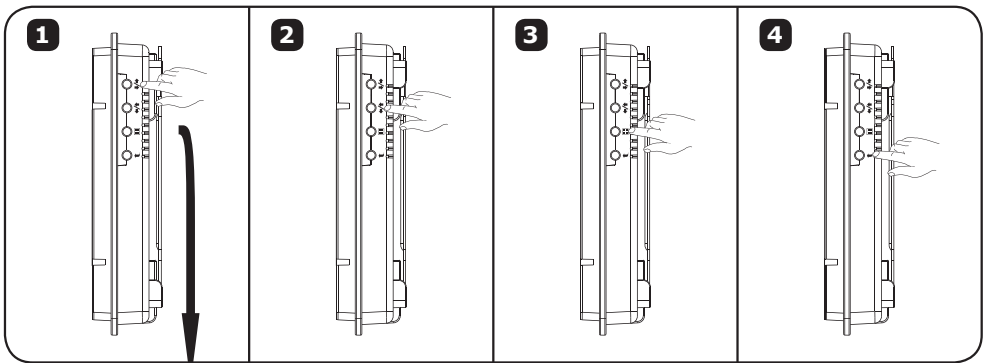
V	Video	Standby:0V, When monitor is On:appx 0.5V DC
A	Audio	Standby:appx 4.6VDC When talking :appx 3.6VDC, When Door open:appx 12VDC
D	Data	Data signal between Monitors, Cameras and CPU4
+ -	Power	13V DC power for Monitor / G Ground

### Note:

- 0-50 meters, the cable size should be at least 0.5 mm<sup>2</sup>
- 50-100 meters, the cable size should be at least 0.75 mm<sup>2</sup>
- Max. working distance is 100 meters.

## 5. How to use:

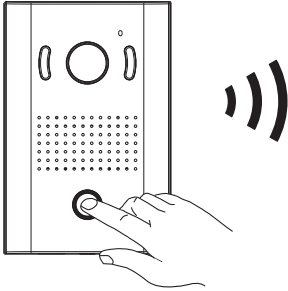
5.1. To the right / To the left / Menu  (OK) / Return



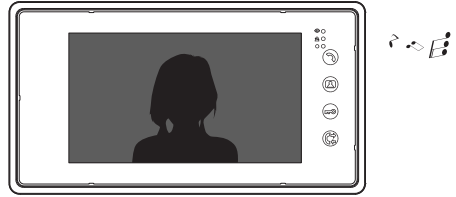


## 5.2. Calling / Talking / Unlocking

5



Press the "Call" button on the outdoor station



The calling sound rings from indoor monitors with visitor's image shown on the screen

Photo icon



When the photo icon appears, the monitor will automatically take two photos. (SD4 Model Only)

Video icon



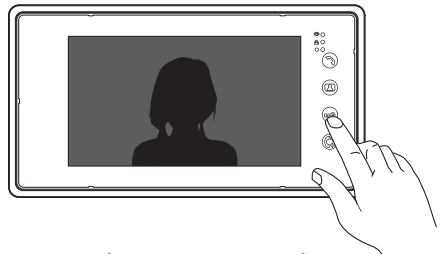
When the video icon appears ( in Video mode), the monitor will take a video and the time for video can be set in the Mode. (SD4 Model Only)

6



Press the 'Talk' button to talk with visitors. Press 'Talk' again and you can end the call.  
Talking time: about 120Sec

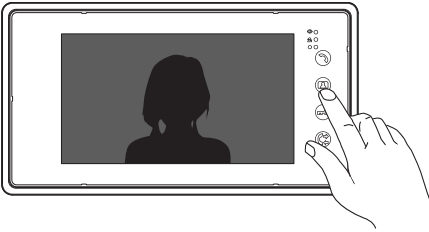
7



Press the 'Door Open' button to open the door for visitors.

### 5.3. Monitoring

8



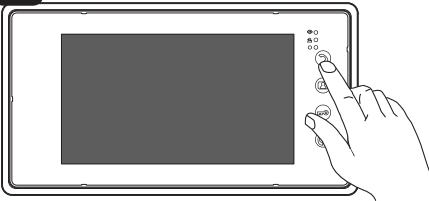
Press the 'Monitoring' button to see the entrance and press again to exit the monitoring mode. But when there are more than one outdoor stations, press "Monitoring" to see the entrance from one outdoor station and press again to see from next outdoor station. Press again to exit the monitoring mode.

9



Monitoring time: After 40 sec, the monitor will switch to standby mode. During the monitoring, if there is a visitor, you can press "Talk" to talk.

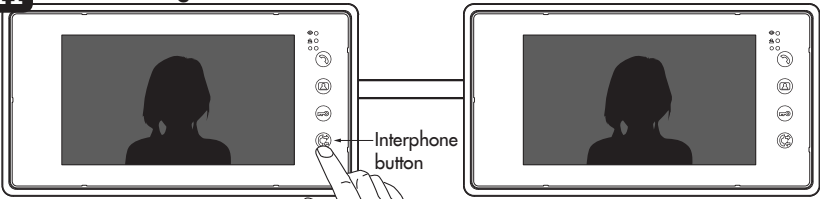
10



When the system has more than one outdoor stations, after any outdoor station is called, the monitor will automatically memorise the door station is exist. It will show the door when next time Monitoring. To reset and show only one door station when motoring, press the 'Talk' button for 4 seconds.

## 5.4. Interphone

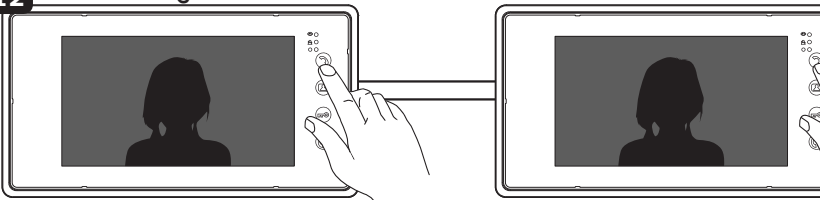
**11** Calling Monitor      Called Monitor



Interphone button

When you press 'Interphone' on one monitor, the other monitor in the house will ring.

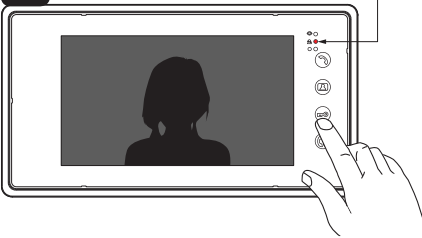
**12** Calling Monitor      Called Monitor



To answer, press 'Talk' button on the called monitor.  
Press 'Talk' again to end the talking.

## 5.5. Mute mode

**13** Mute indicator light on



During the standby mode, long press "Door Open" button for 4s to mute the ringtone. To un-mute, just long press 'Door Open' button again for 4 sec.

## 5.6. Automatic recording by motion detection (SD4 Model only)

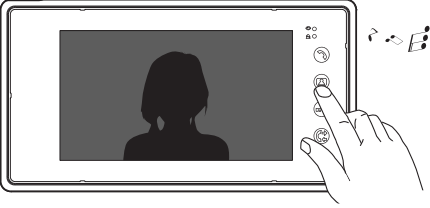
In standby mode, the device will take a video automatically with 10 seconds interval when the system detects a motion.

\* MD+ terminal MUST be connected for this feature.

\* When there are more than one door station in the system with FUTURO-CPU4, this feature is only available to the very first door station.

## 5.7. Ringtone adjustment ( SD4B Model ONLY )

14



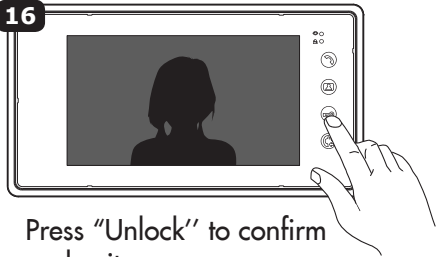
Long press "Monitoring" button for 4 seconds to enter ringtone selection. If you need to change the ringtone, just press "Monitoring" button once again.

15



Press "Talk" button to adjust the ringtone volume.

16

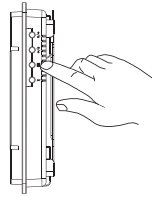
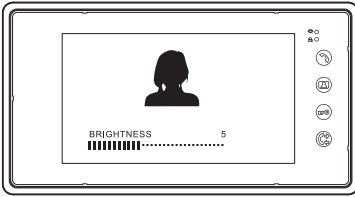







Press "Unlock" to confirm and exit.

\* See Page 15 for FUTURO-SD4 Ringtone adjustment.

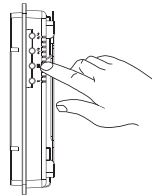
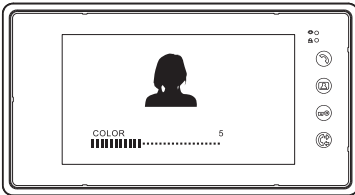
## 5.8 Brightness / Color / Talking volume setting ( SD4B Model ONLY )






17



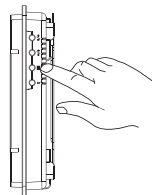
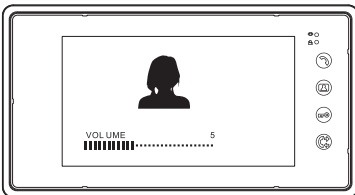
When the monitor is turned on, press "Menu  "button and "BRIGHTNESS..." will show on the screen. If you need to adjust the brightness, please press    







18



When you press "Menu  " for the second time, "COLOR..." will show on the screen. If you need to adjust the color, please press    


19



When you press "Menu  " for the third time, "VOLOME..." will show on the screen. If you need to adjust the talking volume, please press     Press "Menu  " again to save and exit .

\* See Page 15 for FUTURO-SD4 Brightness / Color / Volume adjustment.

## 6. GUI Menu setting (FUTURO-SD4 Model Only)



The main GUI menu is displayed on a blue background with four white icons in a 2x2 grid. The top-left icon shows a clock and the text '00:00' and '01-07-2018'. The top-right icon is a gear with the text 'SETUP' below it. The bottom-left icon is a camera with the text 'PHOTO' below it. The bottom-right icon is a video camera with the text 'VIDEO' below it. Lines connect the text labels to their respective icons.

Date and time setting

Photo checking


Setup

Video checking

In standby, press any button at the right hand side to enter the menu and press 'Left/Right' button to select the required icon.

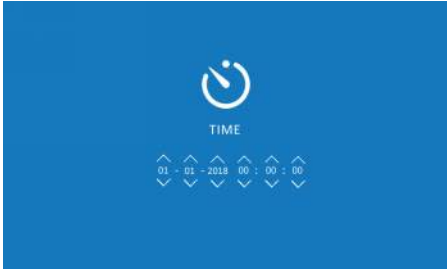
### 6.1. Date and time setting

6.1.1. Select 'Date and time' and then press 'OK'.



The main GUI menu is shown with the 'Date and time' option highlighted by a white border. The other options remain visible but are not highlighted.

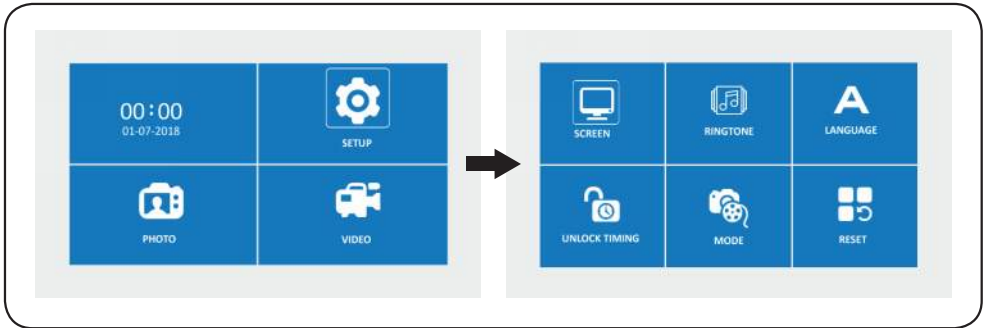
6.1.2. Press 'OK' to select the required icon and then press 'left/right' to adjust the values, press 'return' to save and exit.



The date and time setting screen is displayed on a blue background. At the top center is a white clock icon. Below it is the word 'TIME'. At the bottom, there are four sets of navigation arrows (up and down) with the text '01 - 01 - 2018 00 : 00 : 00' between them.

## 6.2. SETUP

Press 'left/right' to select 'Setup' icon, and then press 'OK' to confirm and access the selected setting. Select 'Screen' icon and press 'OK' to enter next menu.



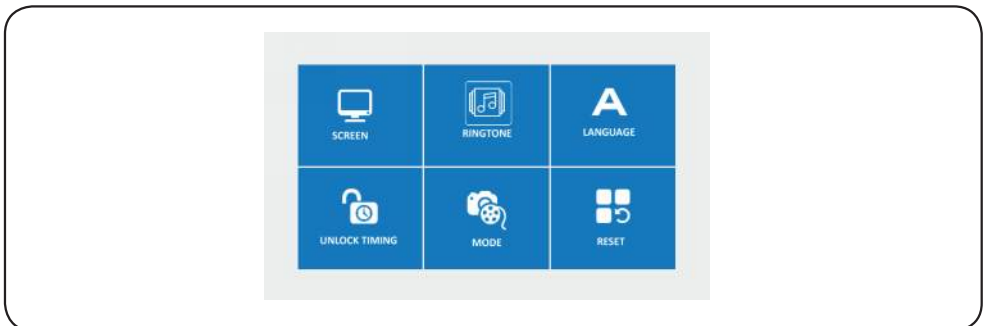
## 6.3. SCREEN

Press 'OK' to select 'color', 'brightness' or 'Speaker volume' icon, and then press 'left/right' to adjust the values, press 'return' to save and exit.



## 6.4. RINGTONE

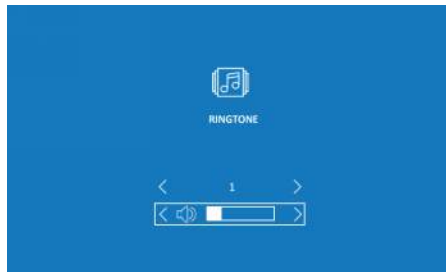
6.4.1. Press 'left/right' to select 'Ringtone', and then press 'OK' to confirm and access the selected setting.



6.4.2. Press 'OK' to select the required icon, and then press 'left/right' to adjust the ringtone volume, press 'OK' to save and exit.

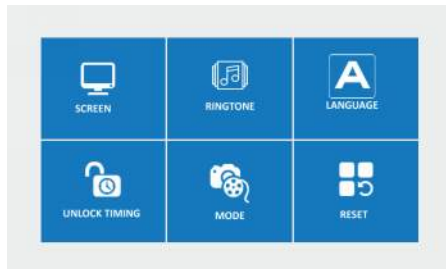


6.4.3. Press 'OK' to select the required icon, and then press 'left/right' to select the ringtone, press 'OK' to save and exit.



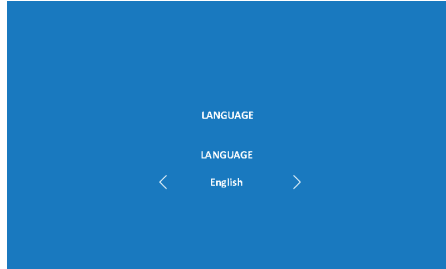
## 6.5. LANGUAGE

6.5.1. Press 'left/right' to select 'Language', and then press 'OK' to confirm and access the selected setting.



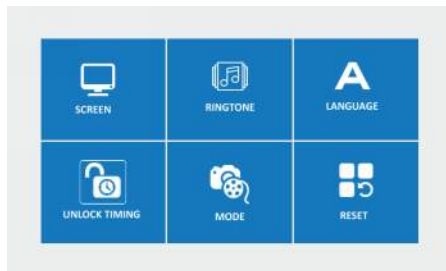


6.5.2. Press 'left/right' to select 'Language', and then press 'OK' to save and exit.

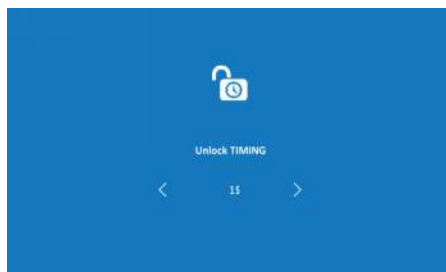


## 6.6. UNLOCK TIMING (Default 1 second)

6.6.1. Press 'left/right' to select 'Unlock timing', and then press 'OK' to confirm and access the selected setting.



6.6.2. Press 'left/right' to adjust the values, and then press 'OK' or 'return' to save and exit.

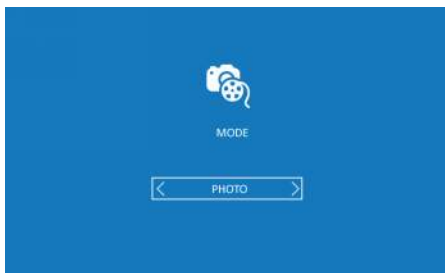


## 6.7. MODE

6.7.1. Press 'left/right' to select 'Mode', and then press 'OK' to confirm and access the selected setting.



6.7.2. Press 'OK' to select the required icon, and then press 'left/right' to select 'Video' or 'Photo' mode, press 'OK' to save and exit.

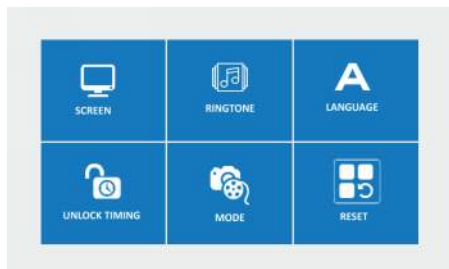


6.7.3. Press 'Enter' to select the required icon and then press 'left/right' to change the values, press 'OK' to save and exit. The values are the duration of the video recorded when motion detection and the video when calling.

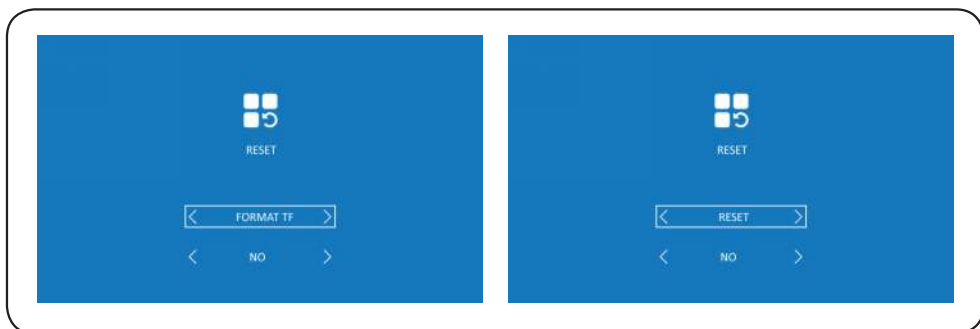


## 6.8. RESET

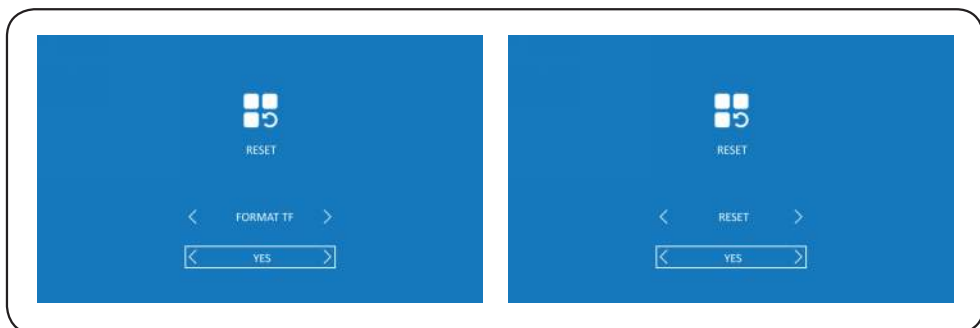
6.8.1. Press 'left/right' to select 'RESET', and then press 'OK' to confirm and access the selected setting.



6.8.2. Press 'OK' to select the required icon, and then press 'left/right' to select 'Format TF' or 'Reset'.

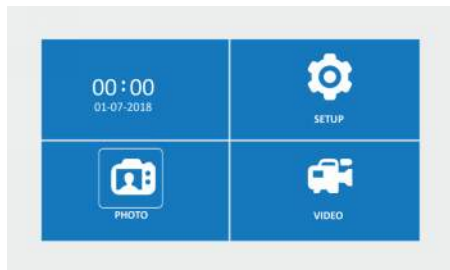


6.8.3. Press 'OK' to select the required icon, press 'left/right' to select 'Yes', and then press 'OK' and the selection is validated. Or press 'return' to exit directly.

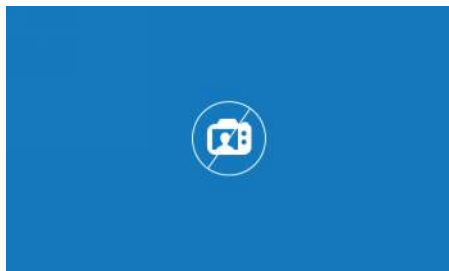


## 6.9. PHOTO

6.9.1. Press 'left/right' to select 'Photo' and then press 'OK' to enter next menu.



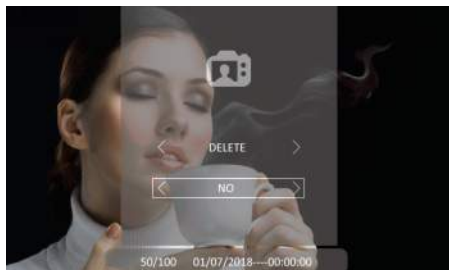
6.9.2. Menu with no recorded photo.



6.9.3. If photo recorded, press 'left/right' to check the photos.

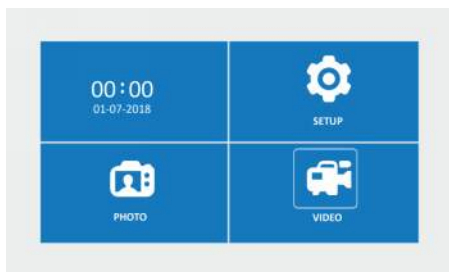


6.9.4. Press 'OK' to enter the menu, and then delete the photo or not.

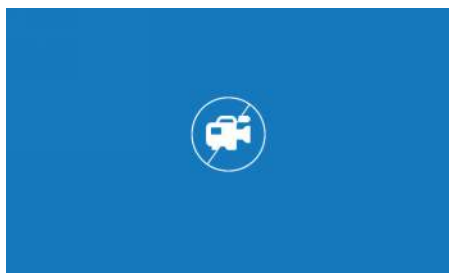


## 6.10. VIDEO

6.10.1. Press 'left/right' to select 'Video' and then press 'OK' to enter next menu.



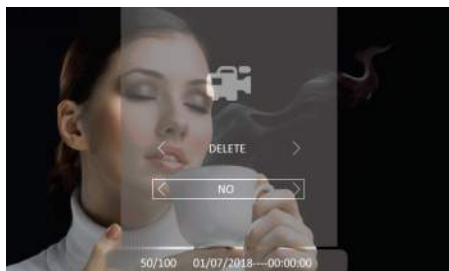
6.10.2. Menu no recorded video.



6.10.3. With recorded video, press 'left/right' to check the video.



6.10.4. Press 'OK' to enter the menu, and then delete the video or not.



## 7. Technical Specification::

Screen size	Color 7" TFT LCD
Power supply	Input: 110-230V, 50/60Hz    Output: DC13V/1.2A
Power consumption	Standby: <6W    Operating: <10W
Resolution	800 × 480
Effective area	154.08(H) × 85.92mm(V)
Pixel size	0.192(W) × 0.179mm(H)
Screen size	169(W) × 100(H) × 5.7mm(D)
Talking duration	120s ± 10%
Monitoring duration	20s ± 10%
Effective distance	50m(4 × 0.5MM <sup>2</sup> )
Operating temperature	-5°C ~ +40°C
Monitor dimension	236(W) × 127(H) × 31(D)mm
Relative humidity	10% ~ 90%(RH)
TF card	Support 32GB in max
Photos storage	About 110 pcs

## 8. Maintenance:

- Do not install the indoor monitor at high temperature, high humidity place.
- Please use only a soft cloth to clean the monitor screen or camera.  
Do not use dish washing liquid, thinner, or corrosive liquid to clean.
- Please turn the power off when installing or repairing the product.