







# VIDEO DOOR ENTRY SYSTEM

## NTI-900 with Image Recorder

### Parts Supplied

Ref	Description	Illustration	Qty
A	Video Monitor with Memory		1
B	Doorbell Camera		1
C	Wall mounting bracket		1

### Fittings Supplied

Ref	Description	Illustration	Qty
D	Screw		5
E	Connection pins		3
F	Power supply		1

### Before You Start

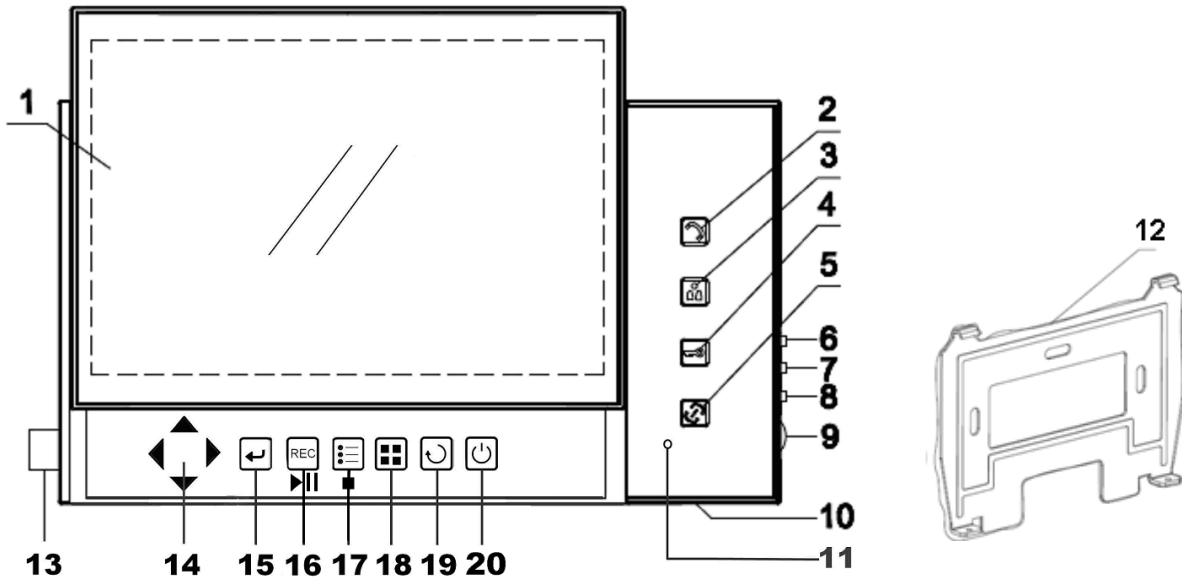
- Check the pack and make sure you have all of the part listed above. If not, contact your local store who will be able to help you.

### Specifications:

<b>Video Monitor Specifications</b>	
Dimensions	250[W] x140[H] x 33[D] mm
Input Power	AC100V~240V (Internal Power Supply)
Weight	0.75Kg
Power Consumption	Idle mode : 2W Operating : MAX 18W
Max. Distance & wiring	Monitor to Camera 50M :1.0mm <sup>2</sup> wire 100M : 1.5mm <sup>2</sup> wire Master to Slave 20M: 1.0mm <sup>2</sup>
	Door Lock to Camera 20M : 1.0 mm <sup>2</sup> wire
Video S/N Ratio	50dB
Audio S/N Ratio	40dB
Aspect Material	Acryl
Display	7 inch LCD
Resolution	1440(H) X 234(V)
Operating Temperature	0 ~ 40 °C
Storage Temperature	-20 ~ 60 °C
Memory	Min 500 frame memory (still image)

<b>Doorbell Camera</b>	Specifications
Dimensions	90[W] x150[H] x 20 [D] mm
Weight	0.4Kg
Input Power	DC12V from monitor
Power Consumption	Max 3W
Aspect Material	Aluminium
Wiring	Monitor: 4 core cable;
Image sensor	CCD , colour
TV system	PAL
Resolution	420 TV Lines
Video output	Composite video signal 1Vp-p at 75ohm terminated
No. of pixels	270,000.pixels
Iris	Electronic auto iris
Lighting	White LED
Viewing Angle	Diagonal:70° horizontal:51° vertical:41°
Lens	3.7mm pinhole lens
Min. Illumination	1Lux
Door lock	2 terminals with DC power output max 12V 0.5A
Mounting type	Surface mount
Operating Temperature	-1 0°C ~ 50°C(14° F ~ 122° F)
Storage Temperature	-20°C ~ 60°C

# Video Monitor



# Video Door Phone

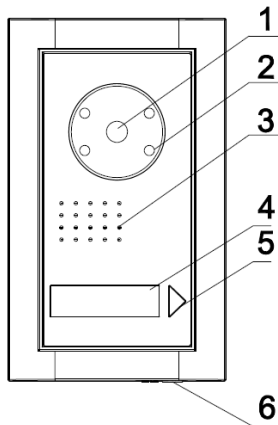
- 1. Monitor screen
- 2. Talk on/Talk off (Monitor off)
- 3. Monitor On(Camera 1/Camera 2 Select)
- 4. Door release (when used with electric door lock kit)
- 5. Intercom
- 6. Menu (For LCD Adjustment)
- 7. Down (For LCD Adjustment)
- 8. Up (For LCD Adjustment)
- 9. Volume control
- 10. Microphone
- 11. LED Light (Recording Indicator)
- 12. Bracket



## Memory

- 13. SD CARD Slot
- 14. Guide Arrows
- 15. Enter
- 16. Manual Record (ONLY WHEN C1/C2 IS INITIATED)
- 17. Menu
- 18. Multi File Review
- 19. Standby Screen/File Review
- 20. Power On/Off

# Doorbell Camera



1. Camera lens
2. White LEDs for night vision
3. Speaker
4. Name Plate
5. Call Button
6. Microphone

## Safety Instructions

1. Do not install near other electronic equipment such as computers, TV, video recorder as this may cause radiated interference to the unit.
2. Do not disassemble the unit.
3. Do not spray water on the indoor unit. Do not keep the outdoor unit where it will be exposed to extreme moisture.
4. Do not overload mains wall outlets or extension cords.
5. Do not drop or shock the unit.
6. Remove the power cord from the wall socket when unit is not used for long periods
7. Do not place any naked flames (e.g. lighted candles) on the apparatus.
8. Do not place objects filled with water (e.g. vases) on the apparatus.
9. Do not cover the ventilation holes with clothing, paper, curtains etc.
10. Keep minimum distance 5cm around the apparatus for sufficient ventilation.
11. This apparatus is designed for moderate climates. Do not use in high humidity, dusty or dirty areas.
12. To disconnect or isolate the unit, switch off at the socket or remove plug from wall socket. Please ensure the plug and socket is easily accessible.

## Warning

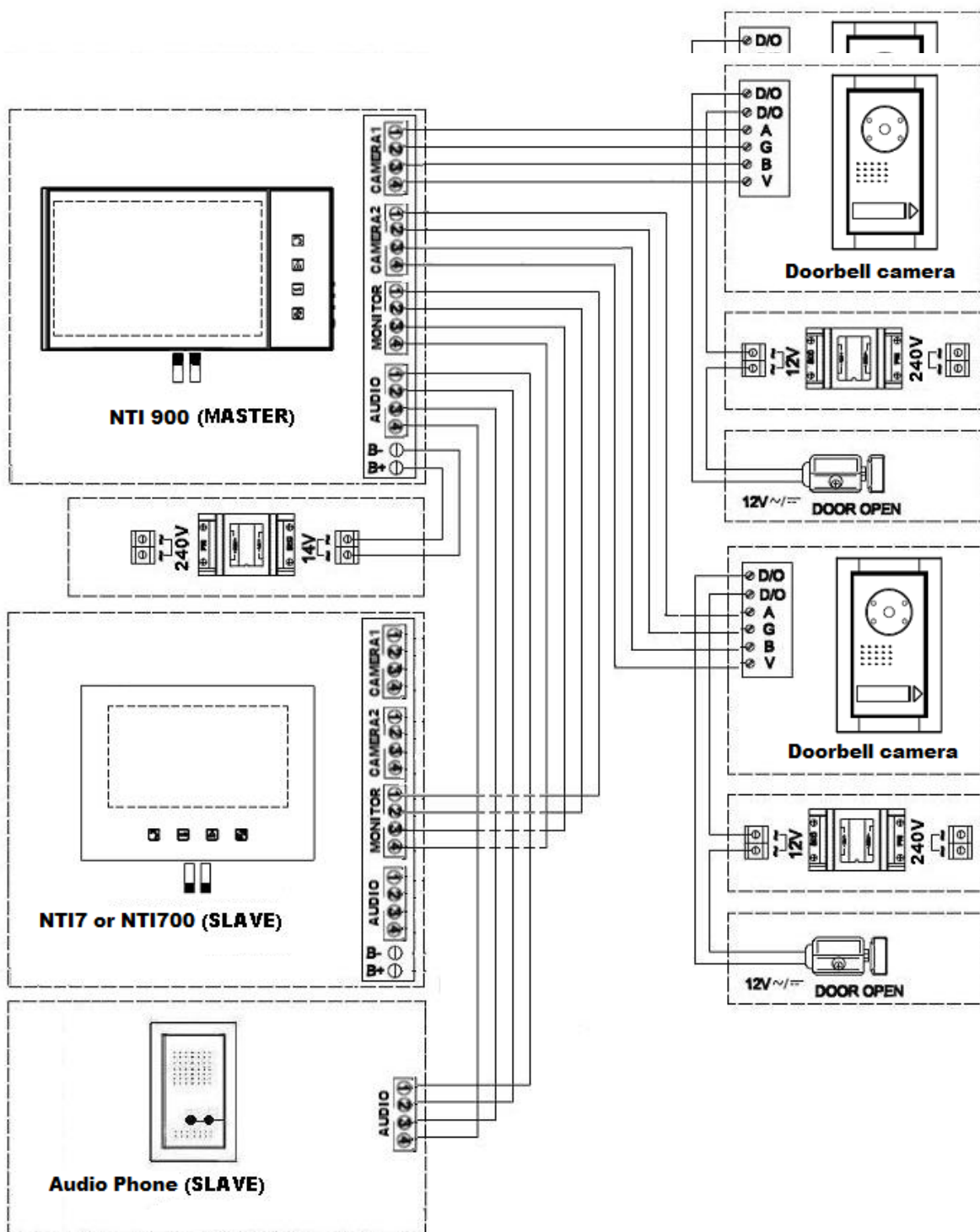
1. Do not install the outdoor unit where it will be exposed to direct sunlight or any strong reflected light. Avoid extremely bright locations for the indoor unit as the monitor screen image will be adversely affected.
2. The outdoor unit is waterproof but it is recommended that it is NOT installed where it is permanently exposed to driving rain and extremes of dust and moisture.
3. Do not install near acid oxides, ammonia, or any harmful gas (it might cause malfunction).
4. Do not install the outdoor unit in a location where the lens filter is likely to get scratched or very dusty.
5. During installation, make sure that there are no hidden cables or pipes inside the wall when drilling holes and use cable clips to hold cable to wall.
6. Check cables are connected correctly and camera unit is firmly installed.

# Installation instructions

## A) Cable connection

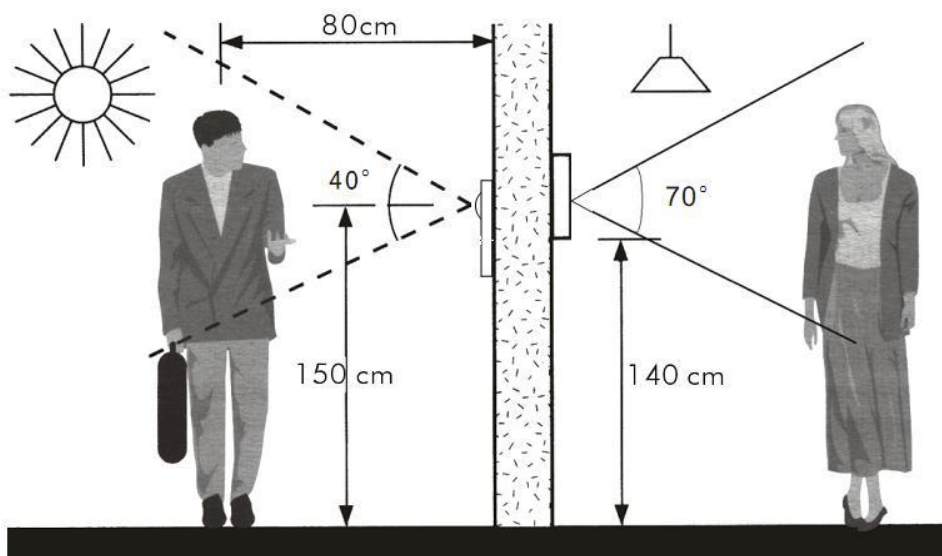
1. Connect the monitor to the camera according to the wiring diagram.
2. Carefully insert the wires to the terminal, taking care that the 2 bare wires does not touch.

### WIRING DIAGRAM

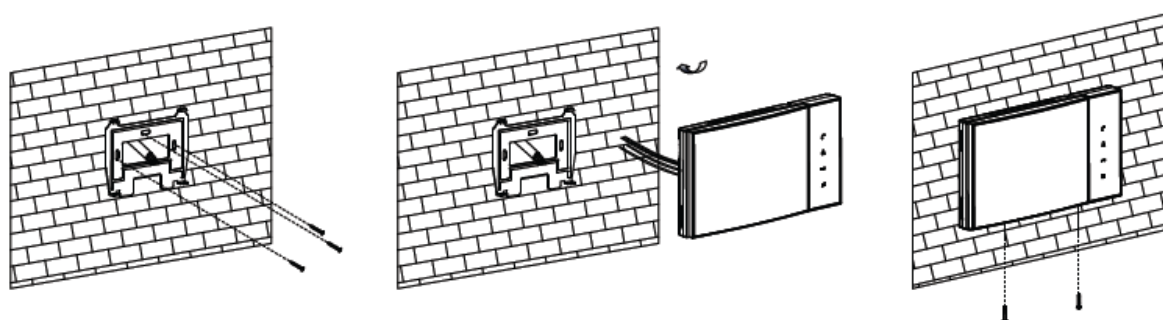


## B) Installation height

1. Recommended installation height is approximately 140cm for monitor unit and 150cm for outdoor camera.



## C) Installation of indoor monitor

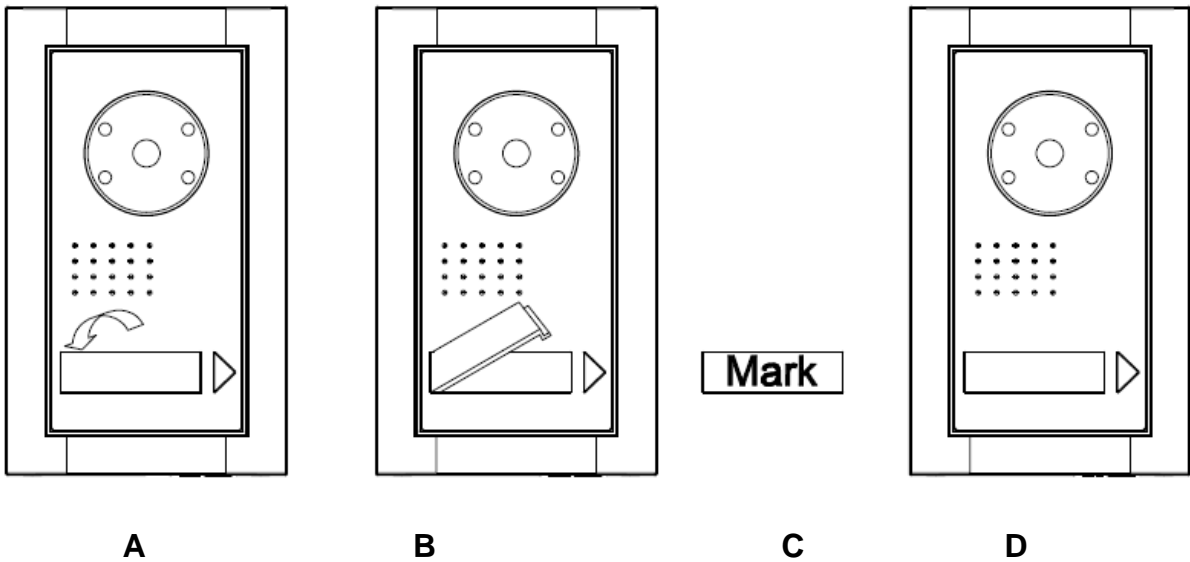


1. Fix the wall mounting bracket in the best place by using 3 screws and plugs.
2. Carefully place the indoor monitor against the bracket and gently push up the monitor so that the pins on the bracket engage in the slots on the rear of the monitor.
3. Secure the assembly with the 2 screws.

## D) Installation of outdoor camera

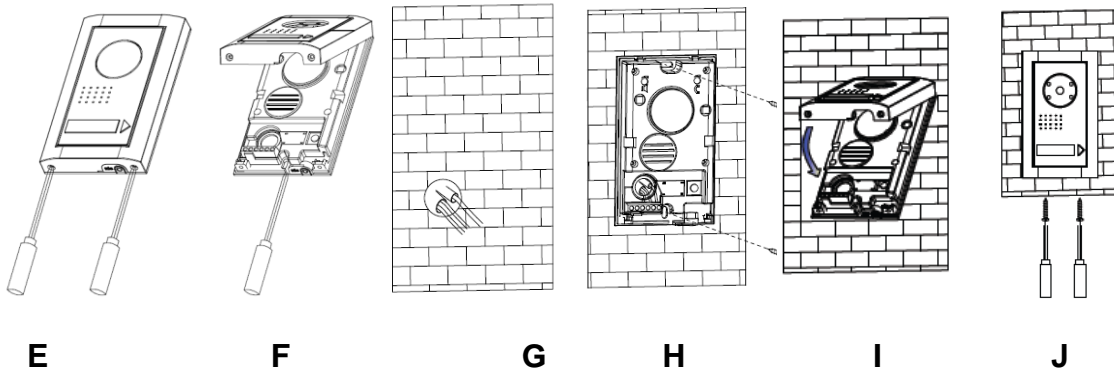
### Add the name to the nameplate

- 1) Remove the cover of the name plate by pressing the left hand side of the block. (Fig. A & B)
- 2) The name plate is now accessible (Fig. C)
- 3) Mark your name on the plate (Fig. C)
- 4) Place the button block back to the panel (Fig. D)



### Mounting the camera

- 1) Remove the front cover (Fig. E & F)
- 2) Mount the outdoor unit on the wall by using 2 mounting screws and wall plugs.  
(Adjust the camera angle if necessary.) (Fig. G & H)
- 3) Replace the front cover and secure it by replacing the 2 screws at the bottom of the camera. (Fig. I&J)



### Performance Settings

You can adjust the brightness, contrast and colour of the monitor when it is ON by pressing the Performance menu button at the side of the monitor.

Press the menu button then the brightness, contract and colour indication will appear. To select the indication by pressing the Up and Down buttons, then press the menu button to confirm the selection and then press the Up and Down buttons to adjust. Finally, press the menu button to confirm the setting.

## Operating Instructions

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### ✓ VIDEO MONITOR

#### 1. Activation of unit


When the call button on the outside camera unit is pressed, the indoor unit chime rings and the visitor's picture will appear on the indoor monitor. After the visitor is visually identified, and you wish to talk with the visitor, touch the "Talk On" icon



and talk. The unit will remain activated for approximately 60 seconds before it automatically shuts off. To re-activate for continued conversation, touch the

"Monitor On" icon  and then touch the "Talk On" icon  to end conversation.

#### 2. Activation of outside unit from monitor unit

a) Press the "Monitor On" icon  of the indoor unit at any time and the outdoor camera will be activated and show the outside view. When pressed again, this will switch from camera 1 to camera 2.

#### 3. Working time

a) Call time: Approximately **30** seconds

The picture terminates automatically if indoor unit is not answered within approximately **30** seconds after the call button of the outdoor camera unit is pressed.


b) Talk time: Approximately 60 seconds

When monitor unit is called by the outdoor unit and the monitor is answered, there is approximately 60 seconds of time available before the unit automatically shuts off.

c) Monitor on time: Approximately 30 seconds


When outside camera is activated from the inside, there is approximately 30 seconds of viewing time before the unit automatically shuts off.



#### 4. Activation of (Door open function )

If you want to open the door to let the caller in, just touch the  "Door Open" icon on the indoor monitor. The door open function can only be activated when the monitor is turned on.




#### 5. Activation of "Intercom" button

An intercom calling can be started by any indoor monitor.

When the intercom button  on one indoor monitor is touched, this will ring all monitors in a system, you can talk with the one calling monitor by touching the


intercom button  on the second monitor, touch  for shutting off. There is approximately 120 seconds of time before the unit automatically shuts off.

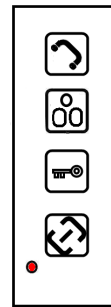
#### 6. Choosing a Ring tone

To select a melody touch the "door open" icon  and a melody will ring. Select a melody by using the "monitor on" icon , there are three different melodies to choose from, to confirm the selected ring tone touch the "door open" icon .

# OPERATION OF MEMORY FUNCTIONS

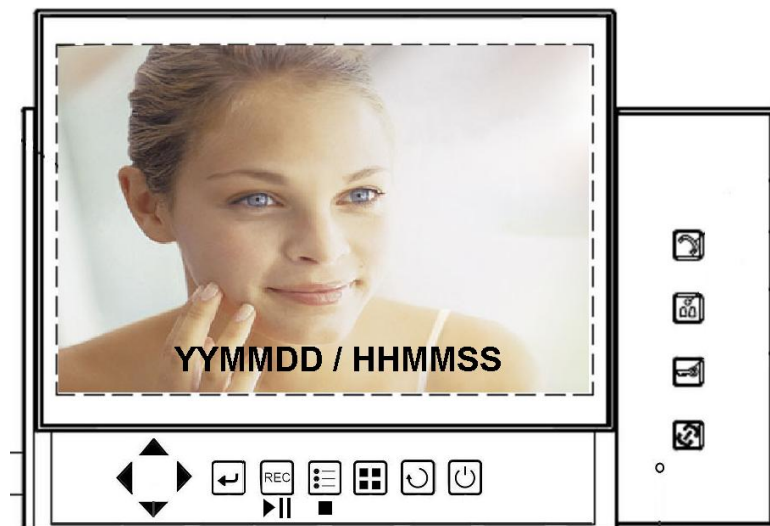
## 1. Turning on/off the Memory

- a) Every call from the outdoor station is automatically recorded, the red LED light on the side panel will light during recording.
- b) Start by lifting the monitor in an up position. Then press the  “on” button on far right side. The “on” button also acts as an “off” button when desired to turn off the memory keyboard.




## 2. Operation of Memory and Manual Recording


- a) Recording your visitors  
When call button on entry panel is pressed, visitors will be recorded automatically.




Slide up the screen and touch TURN ON the memory keyboard, then you may use

the  button to change from view mode (shown very last mode) and setting mode screens.

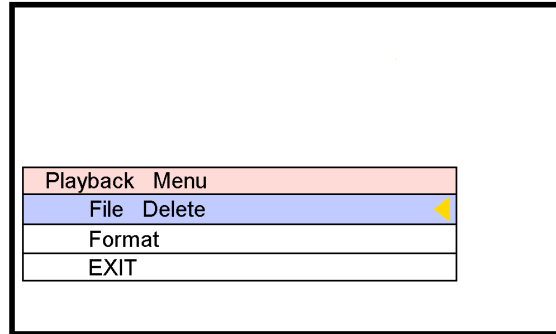
-When in the view mode, use the right (▶) and left (◀) arrows to scroll through

past memory files. Once one selected file, you may press  play button to review file.

If no files are stored from previous accounts, then a no file screen will flash, to then automatically go into standby screen:

- b) Deleting pictures or movies  
 To delete any picture or movie, select the picture/ movie in view mode and select file and press the  menu button.


The menu will display three different options.




Delete single file

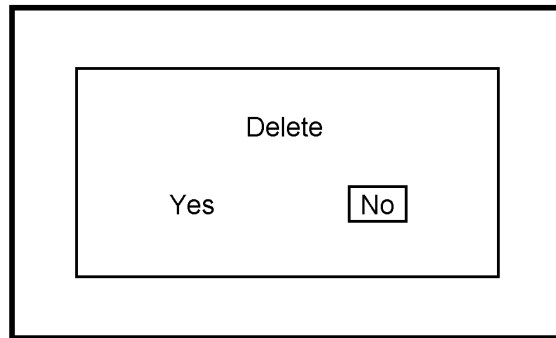
Delete all function

The last option in the delete menu is the “exit icon”

Use up(▲) and down(▼) arrows to guide to selected choice, then press the  button to confirm selection.

The next screen will allow final confirmation of the file selected to be deleted. -When in the view mode, use the right(▶) and left(◀) arrows to scroll through past memory files. Once

one selected file, you may press  play button to review file.




- e) Use external memory Card

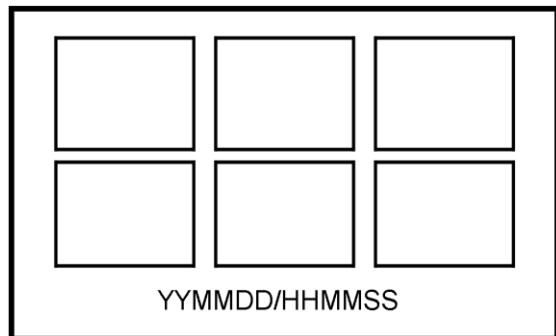
The capacity of memory can differ on which size of memory card chosen to be used. An external memory SD card slot is located on the bottom left side of the monitor.


When memory SD card is inserted into SD slot, it will automatically serve as the main memory database.

- f) View file and folder

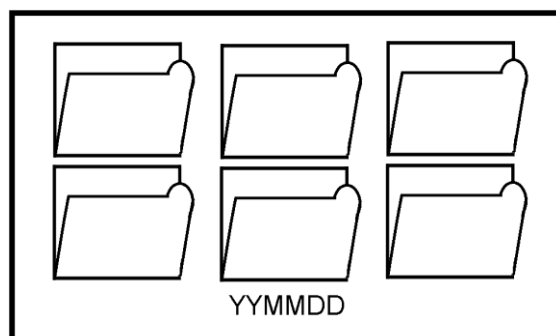
When in standby mode, by pressing

the  button allows you to view multiple files that have been recorded. The shown files are from the file from the most recently recorded. (Max view 6 files)




By pressing the  in the above screen, this allows review of files which are segregated by days. (Max view 6 folders)

Note, if power is unplugged the system resets




### g) Manual Recording

A movie of your visitor will be recorded manually for you may turn on the monitor.

(1) If you are in view mode(last picture),  
press the  button then wait for 5 sec.

Then press  to manual record.


(2) If you are in monitoring mode( blue screen) just press  button to manual record.

(3) Normally, you are in view mode.

-From outdoor panel, auto record is in function and does not allow use of the manual recording. When the outside view button is initiated view of the visitor by

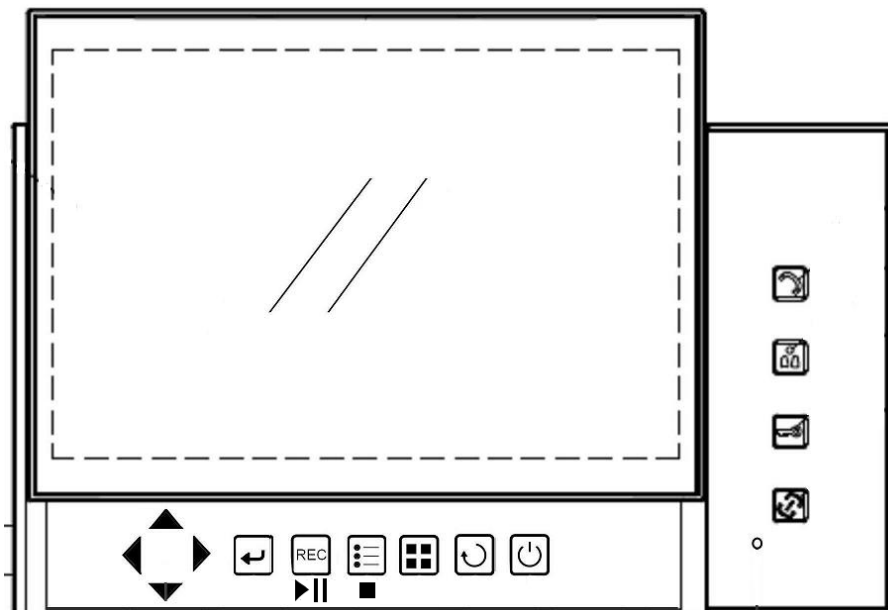
You will see a symbol at the bottom left side of the screen which indicates that recording is in progress.


To pause or discontinue manual

recording press  again to pause or discontinue manual record.




### 3. Setting Display Menu:



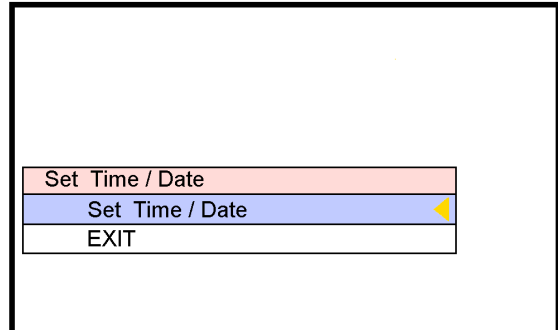
From the time the memory keyboard is turned on, the  button allows changing from two different options: a blue display screen(standby setting mode) with date and time at bottom on the screen or most recently taken recorded file.



### Changing Date and Time Menu

When in the standby setting mode screen (blue screen),


press the menu button  to enter

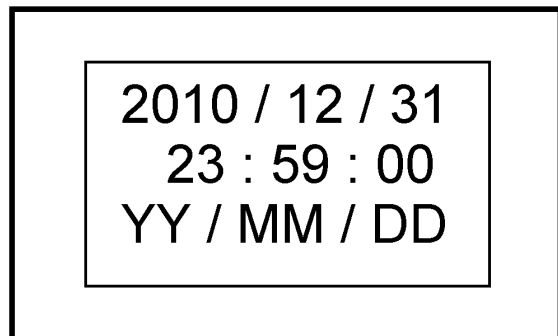
into "Set Time/Date" Menu.



Use the  arrows to control adjusting by using up(▲) and down(▼) arrows, and to move to the next. After selected digits and confirm by pressing  enter button after all selections are made.



-When at the bottom of the menu, by pressing the down arrow the order of day, year, and month can be adjusted to preferred formatting.

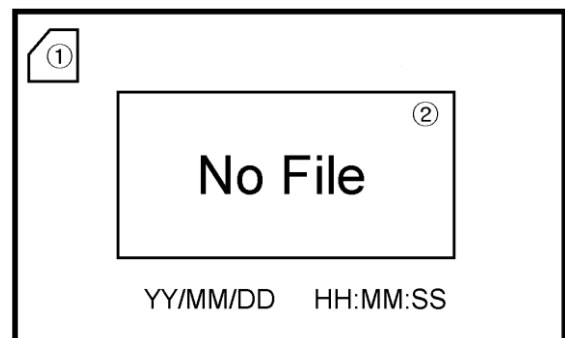
Once confirmed to correct date and time, press  enter button to confirm and date and time will be set.



YY/MM/DD (or) MM/DD/YY (or) DD/MM/YY

### ATTENTION

※① When the SD Card is not present the screen will indicate so with an icon in the upper left corner . When inserted and locked a locked icon 



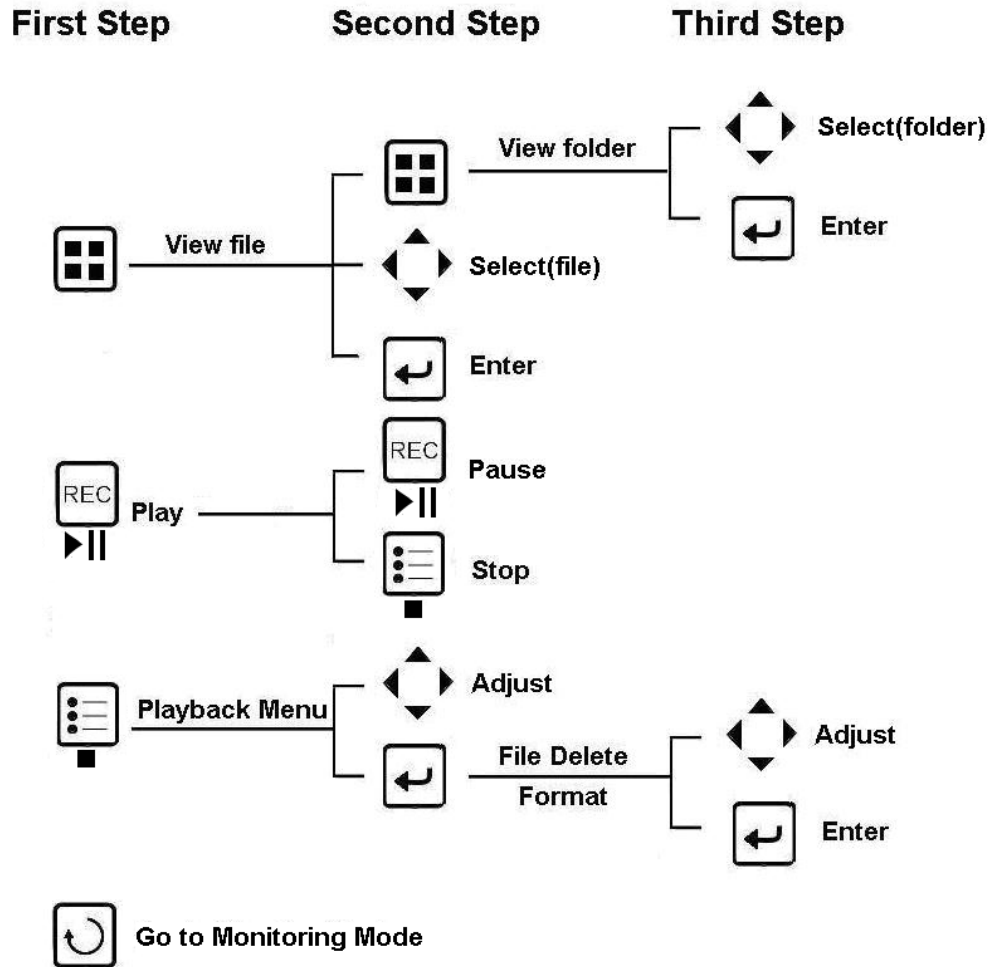
※② If there is no file, it will display as no file or when file is present, the system is programmed to display the most recent recorded file.

※③ There will be no automatic recording during memory part is on operation.

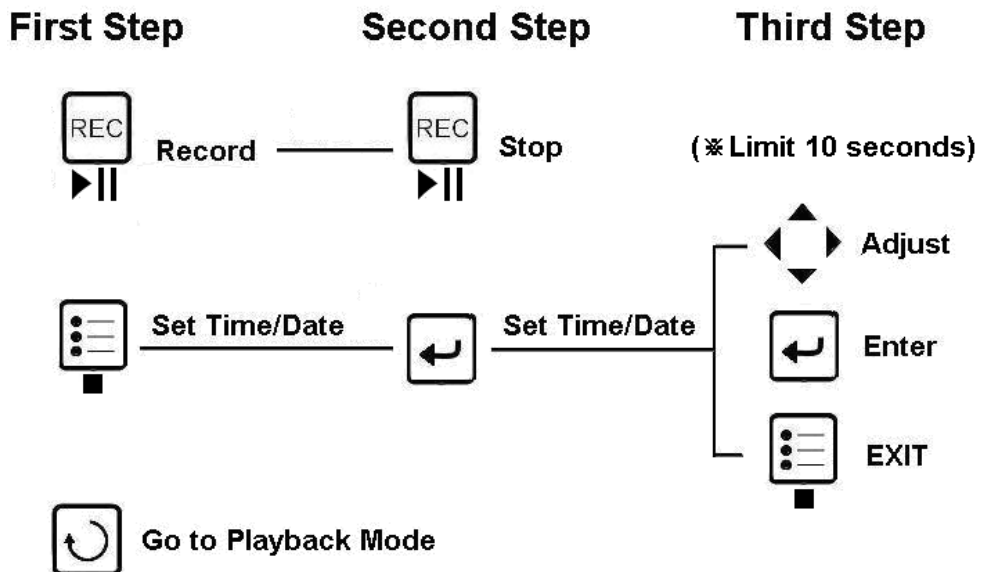
# OPERATING DIAGRAM

## <The Very Last Picture>

(Viewing)



## <Blue Screen>



## Care and Maintenance

- Do not store in hot or cold areas. Extreme hot or cold temperatures can shorten the life of electronic devices and can distort/melt certain plastics or may cause malfunction.
- Dropping can result in failure to operate. Circuit boards can crack and may not survive the impact.
- Do not use or store in areas of high levels of dirt or dust. The electronics may be contaminated. Any moving parts will wear prematurely.
- Do not use harsh chemicals, cleaning solvents or strong detergents. To clean, wipe with a damp cloth from time to time.

## Troubleshooting

No	Problem	Check point
1	No power (no picture on monitor)	➤ Is the AC plug firmly inserted into the AC outlet?
2	Power is on, but no picture on the monitor	➤ Is the cable firmly connected between the monitor and the camera? ➤ Is the polarity of wires correct between the outdoor camera unit and indoor monitor unit?
3	The picture is too dark or white	➤ Adjust brightness control
4	Chime sound is too low	➤ Adjust the volume control

## Environmental Protection

- Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



## WARRANTY CARD

NB Please keep this document safe, as it is proof of your Warranty  
Your Video door system comes with a one year Manufacturers Warranty. When used normally, the following services are offered:

1. Replacement for malfunctioning parts in first three months
2. Repair free of charge for malfunctioning parts in first year

The following actions will void the Warranty:

1. Damage to the device during installation
2. Damage to the device through misuse
3. Opening and/or disassembling the device
4. Attempting to force the device to perform functions for which it is not intended
5. Attaching the device to power supplies other than those recommended by the manufacturer

Distributor for Warranty purposes:

Lale Trading Ltd

34a High Street

Hornsey

London

N8 7NX

+44 (0)20 83482040

[www.intelligenthomeonline.com](http://www.intelligenthomeonline.com)

Product: \_\_\_\_\_

Purchaser Name: \_\_\_\_\_

Invoice N: \_\_\_\_\_

Purchase Date \_\_\_\_\_