



Home Security Solution

Home Automation

Home Automation system for comfortable and convenient life space!
Adaptable to all houses with easy installation and operation to provide safe and convenient life space. Improve life space with automatic guard and remote inspection system.



Power Security MIC

Monitor
HAC-T170
7" Color TFT LCD



Monitor
HAC-307H
7" Color TFT LCD



Function

- Communication**
- Monitor to Door Camera / Lobby phone (Audio & Video)
 - Monitor to Guard Office Interphone (Audio only)
 - Monitor to Monitor in other household with Main controller (Audio only)

- Security**
- Emergency Alarm, Gas, Heat wave, Magnetic Sensors

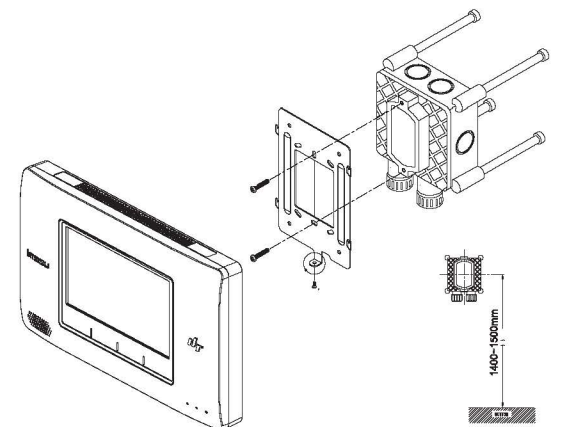
- Others**
- Door release

- Compatible Appliances**
- 2 Door Cameras and 1 CCTV are connectable
 - Lighting (optional)
 - Kitchen TV, Bathroom Interphone

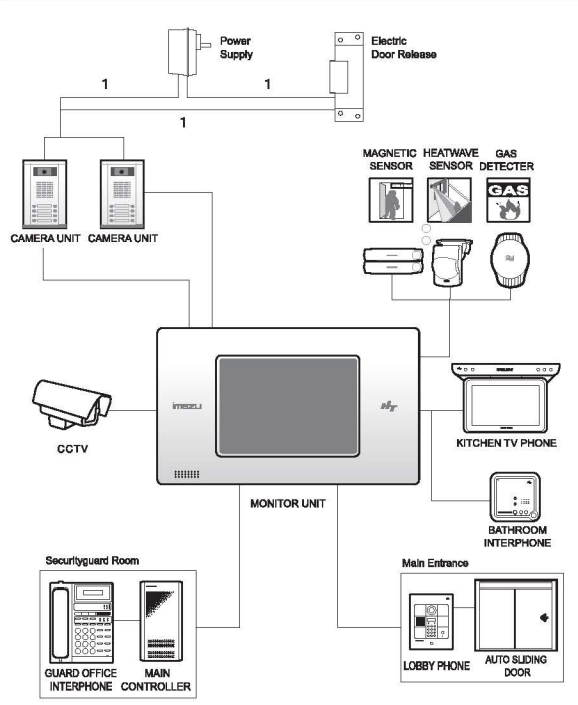
Specification

Power	AC100~240V, 50/60Hz
Power Consumption	Max. 28W
Signal Type	RS-485
Dimension	303W x 182H x 36D (mm)
Weight	Approx. 1.3kg
Wiring	10 wires BUS type
How to Install	Wall Mount Type
Temperature	0°C ~ 40°C
Humidity	Lower than 90%
Display	LCD 7" TFT-LCD COLOR
	Image input 1Vp-p/75Ω, Composite PAL/NTSC
	Resolution 1,440W x 234H Dots
	View angle Up 40°, Down 65°, Left 65°, Right 65°
Audio Communication	Hands Free
Available Door Camera	HCC-300, HCC-500, HCC-600E, HCC-700 Series
Color	White

Mounting



System Configuration



Function

- Communication**
- Monitor to Door Camera / Lobby phone (Audio & Video)
 - Monitor to Guard Office Interphone (Audio only)
 - Monitor to Monitor in other household with Main controller (Audio only)

- Security**
- Emergency alarm & alert notification (gas leakage, burglar intrusion)

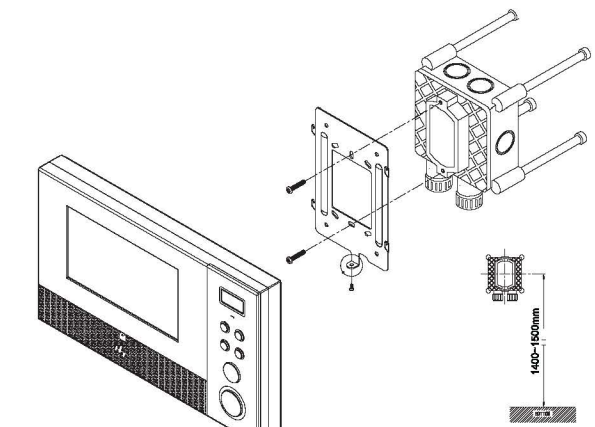
- Others**
- Door release

- Compatible Appliances**
- Extra extension monitor / Door Lock / Kitchen TV / Bathroom Interphone / Guard Office Interphone

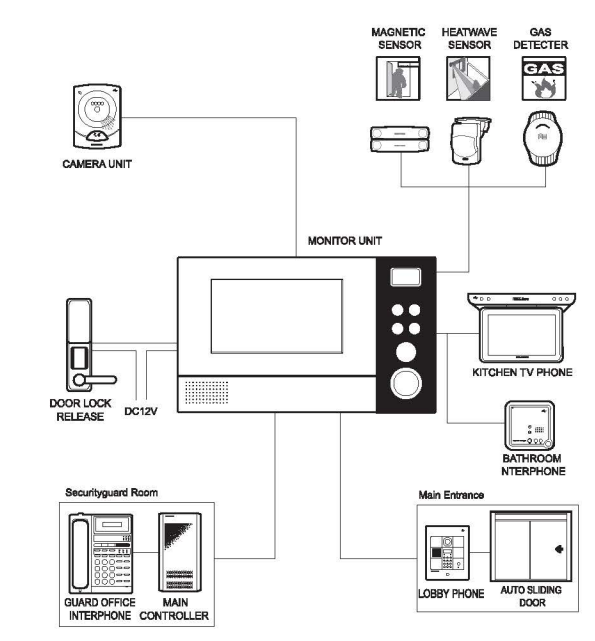
Specification

Power	AC100~240V, 50/60Hz
Power Consumption	Max. 24W
Signal Type	RS-485
Dimension	305W x 234H x 34D (mm)
Weight	Approx. 2.4kg
Wiring	10 wires BUS type
How to Install	Wall Mount Type
Temperature	0°C ~ 40°C
Humidity	Lower than 90%
Display	LCD 7" TFT-LCD COLOR
	Image Input 1Vp-p / 75Ω, Composite PAL / NTSC
	Resolution 1,440W x 234H Dots
	View Angle Up 40°, Down 65°, Left 65°, Right 65°
Audio Communication	Hands Free
Available Door Camera	HCC-200, HCC-1000, HCC-300D
Color	Silver

Mounting



System Configuration



Home Security Solution

Audio Interphone
HIP-8000B



Function

Communication

- Intercom with Lobby Phone or Guard Office or between Rooms
- Communication with Door panel

Others

- Memory function of room number, Door release

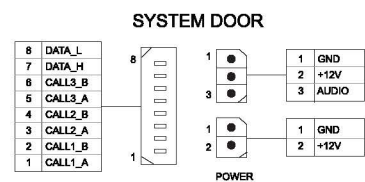
Compatible Appliances

- Door Lock / HLPC-7200, 7100 / HMC-7000

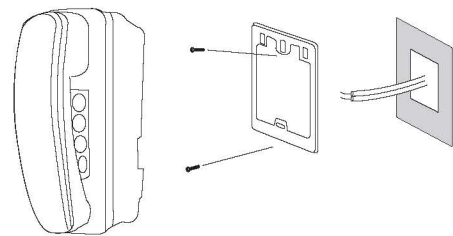
Specification

Power	AC100-240V, 50/60Hz
Power Consumption	Max. 18W
Weight	Approx. 2.3kg
Wiring	8 wires BUS type
How to Install	Wall Mount Type
Temperature	0°C ~ 40°C
Humidity	Lower than 90%
Color	Silver

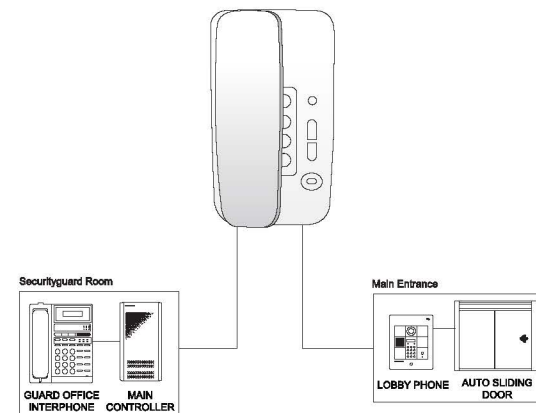
Wiring Diagram



Mounting



System Configuration



Home Security Solution

Home Automation Accessories

More convenient with automation devices!
Meet improved life with digital devices, it's comfortable and convenient anywhere anytime.



Kitchen TV Phone

HKT-210
10" Color TFT LCD



Function

Display / Voice Call

- Message recording / Play
- Control of door and phone calls to / from houses, lobby, security room

Security

- In case of emergency, automatic notification to the security room

TV viewing and radio reception

- Multi-angle TV viewing
- Stereo FM radio
- Automatic channel changing

Vacuum fluorescence display (VFD)

Touch type key buttons

Convenience

- Time display
- On-time alarm

* The above-mentioned functions include some options.

Mounting



Specification

Material	ABS resin
LCD	10" TFT-LCD COLOR
Power needed	AC100~240V, 50/60Hz
Power used	Max. 20W
Weight	Approx. 2.9kg
TV wiring	FB-5C / 1C
HA wiring	UTP- 4P-CAT.5
Communication (Interoperable with HA)	UTP- 4P-CAT.5
Size of device	356W x 280H x 40D (mm)
Size of monitor	279W x 184H x 30D (mm)
Color	Black & Silver



HBP-200

Bathroom Interphone

HBP-200

Function

Voice call

- Common and house front door, guardhouse, house to house communication

Open door

- Confirming visitors at house entrance, enable to open door at common entrance to manage outsiders

Warning alarm for emergency

- Connect to guardroom through emergency button

Voice call volume

Specification

Power	DC 12V (Provided with HA main device)
Power Consumption	Max. 15W
Wiring	TIV 0.8/6P, Telephone : TIV 0.8/2P
Dimension	130W x 130H x 14.5D (mm)
Temperature	0°C ~ 50°C
Humidity	10% ~ 90%
Material	ABS resin
Color	White & Silver

Lobby Phone

HLPC-8000/8200



HLPC-8000/8200

Function

Setting security code

- Codes, cards are used to secure from outsiders intrusion

Entrance control

Transmitting video

- Real time video communication with home automation devices between households and verify visitors

Voice call

- Home automation devices enable communication to guardroom

Including main controller function (HLPC-8200)

- Capacity : 128units

Specification

Power	AC100~240V, 50/60Hz
Power Consumption	Max. 42W
Wiring Type	10-lines BUS type, UTP
Material	Aluminum, Acrylic
How to install	Wall Embedment type
Dimension	270W x 340H x 15D (mm)
Temperature	-10°C ~ 40°C
Humidity	10% ~ 90%
Color	Silver

Lobby Phone

HLPC-7100/7200



HLPC-7100/7200

Function

Setting security code

- Codes, cards are used to secure from outsiders intrusion

Entrance control

Transmitting video

- Real time video communication with home automation devices between households and verify visitors

Voice call

- Home automation devices enable communication to guardroom

Including main controller function (HLPC-7200)

- Capacity : 64units

Specification

Power	AC100~240V, 50/60Hz
Power Consumption	Max. 10W
Dimension	270W x 340H x 13D (mm)
Operating Temperature	-10°C ~ 40°C
Power Unit	Built in
Password	Multiple Pass word
Monitoring	Picture appearance by call
Angle adjustment of Camera	Up&Down / Right&Left
Video Output	9ch, (Resident : 8ch, Guard 1ch) 7200 : 7ch, (Resident : 6ch, Guard 1ch)
Conversation CH	4ch
Talking duration	1 minute
Color	Champagne Gold

Guard Office Interphone

HMC-7000



HMC-7000

Function

- Call between tenants, Lobby phone
- Control Lobby Phone
- Check and save the emergency sign from tenants
- Operate calls between the tenants
- Wake up Call
- Divert Call Receiving on absence
- Register tenants number

Specification

Power	DC 27V (Provided by Main controller)
Power Consumption	Max. 5VA
Signal Type	RS-485
Dimension	200W x 250H x 86D (mm)
Wiring	6-lines STAR type
Effective Signal Transmission Distance	Max. 1km
Temperature	0°C ~ 50°C
Humidity	10% ~ 90%
How to Install	Desktop
Communication speed	3,906bps
Display	2 Lines x 20 Digit LCD & Lamp
Color	White

Main Controller

HEF-8000



HEF-8000

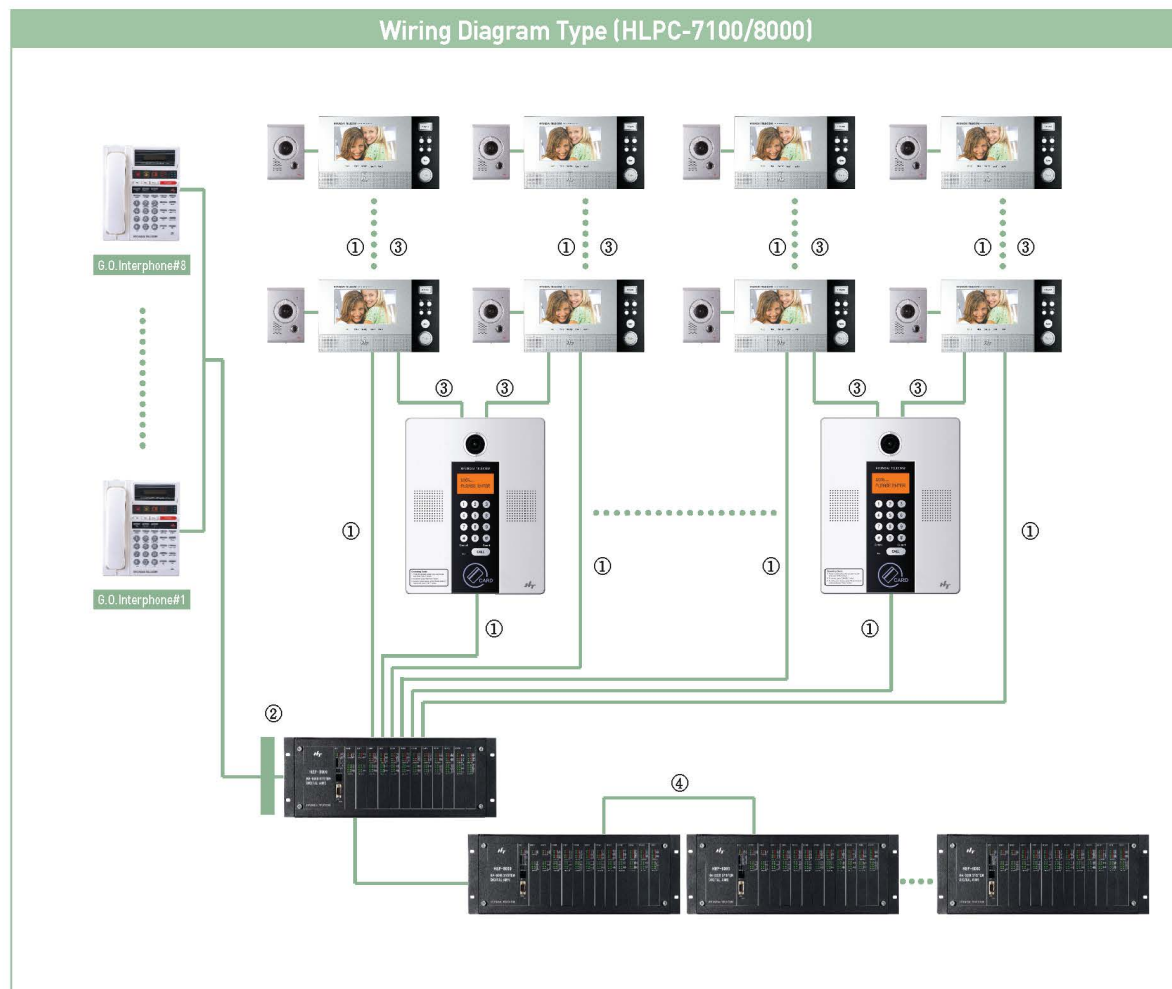
Function

- Operate calls between the tenants
- System Error Alarm
- Control Guard interphone and Lobby phone

Specification

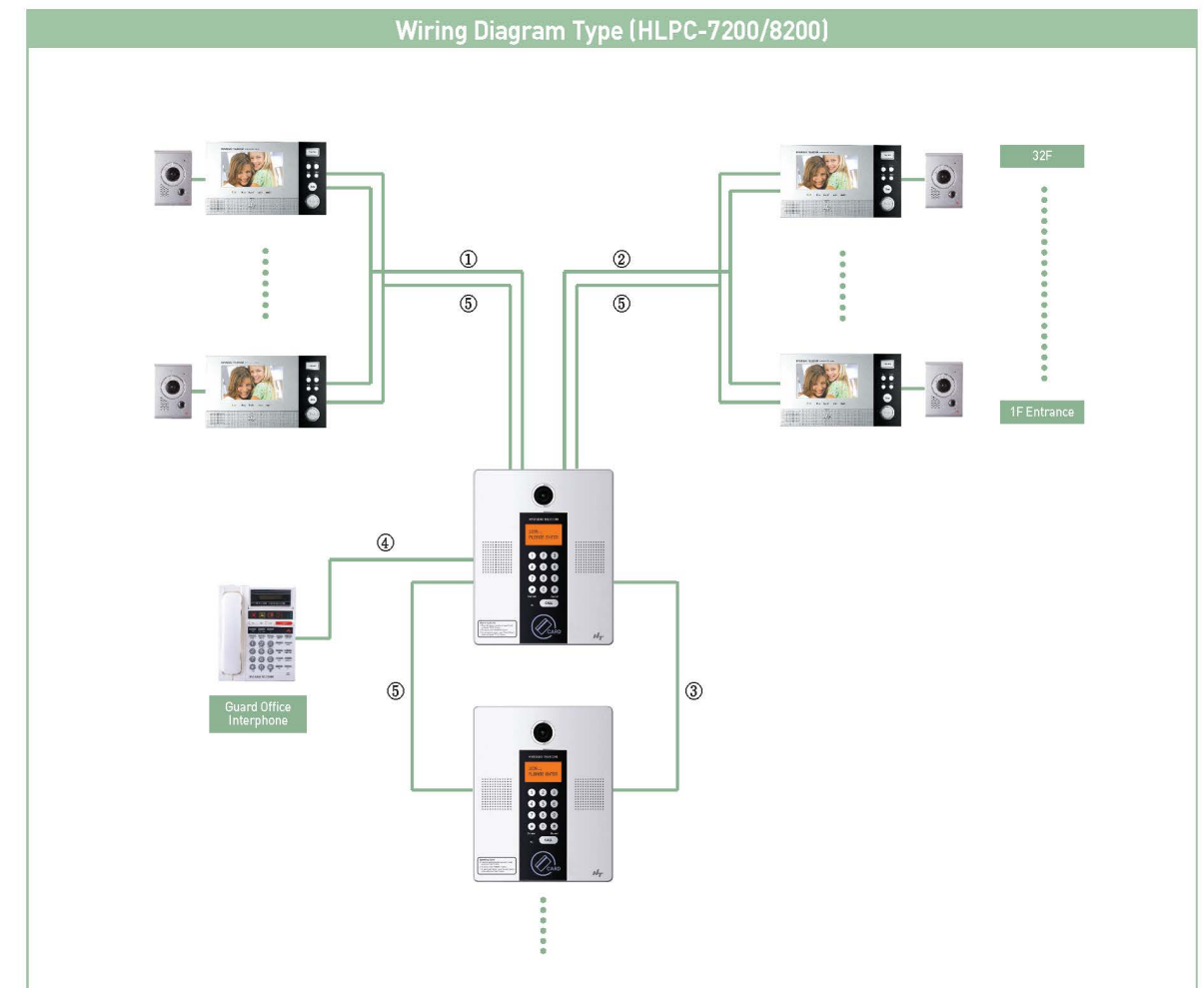
Power	AC100~240V, 50/60Hz
Signal Type	RS-485
Dimension	872W x 355H x 556D (mm)
Wiring	10 wires BUS type
Effective Signal Transmission Distance	Max. 1.2km
Temperature	0°C ~ 50°C
Humidity	10% ~ 90%
How to Install	19" RACK, STAND ALONE
Max. Capa.(1 unit)	Monitor(1024), Lobby Phone(64) Guard Interphone(8)sets
Accessories	Room Card : 1 card covers 128 tenants (Max. x8) MGMT Card : Connect between main Controllers
Color	Black

Digital APT System



NOTE		
No.	WIRING	REMARK
①	UTP CAT.5 4P-0.5mm x 1	- 1P : DATA - 3P : Voice 1,2,3
②	UTP CAT.5 4P-0.5mm x 1	- 1P : DATA -1P:Voice - 1P : DC 27V -1P:Spare
③	EC x 5C-2V x 1	- Video
④	CPEV 0.65mm 10P x 1	- 1P : DATA - 7P : Voice 1 – Voice 7 - 2P : Spare

MAX. CAPACITY OF 1 MAIN CONTROLLER	
EQUIP.	MAX.Q'TY
MONITOR	1024 set
LOBBY PHONE	64 set
GUARD OFFICE INTERPHONE	8 set
*Max. Main controller integration up to 8units	



NOTE		
No.	WIRING	REMARK
①②	UTP CAT.5 4P-0.5mm x 1	- 1P : DATA - 3P : Voice 1,2,3
③	UTP CAT.5 4P-0.5mm x 1	- 1P : DATA - 2P : Voice - 1P : Spare
④	UTP CAT.5 4P-0.5mm x 1	- 1P : DATA - 1P : Voice
⑤	EC x 5C-2V x 1	- 1P : DC 27V - 1P : Spare - Video

MAX. CAPACITY OF 1 HLPC-8200	
EQUIP.	MAX.Q'TY
MONITOR	64 set
LOBBY PHONE	7 set
GUARD OFFICE INTERPHONE	1 set
*Max.:1Master (HLPC-8200), 6Slave (HLPC-8000)	