

# IP Video Intercom System Installation guide



# IP Video Intercom System : Note of caution

**Caution : Leave installation work to the engineer dealer, Installer, Sler etc.**  
**Installation work requires technique and experiences. Failure to observe this may cause crush system data or damage to the product. Consult the dealer.**

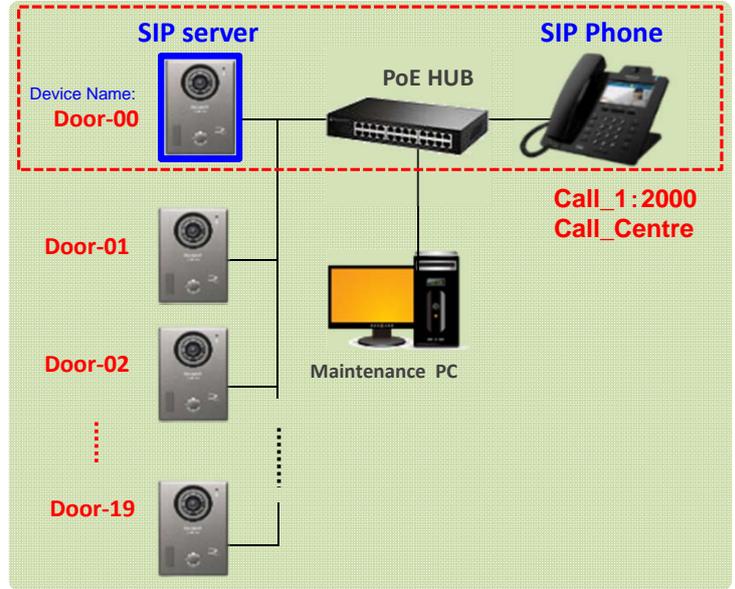
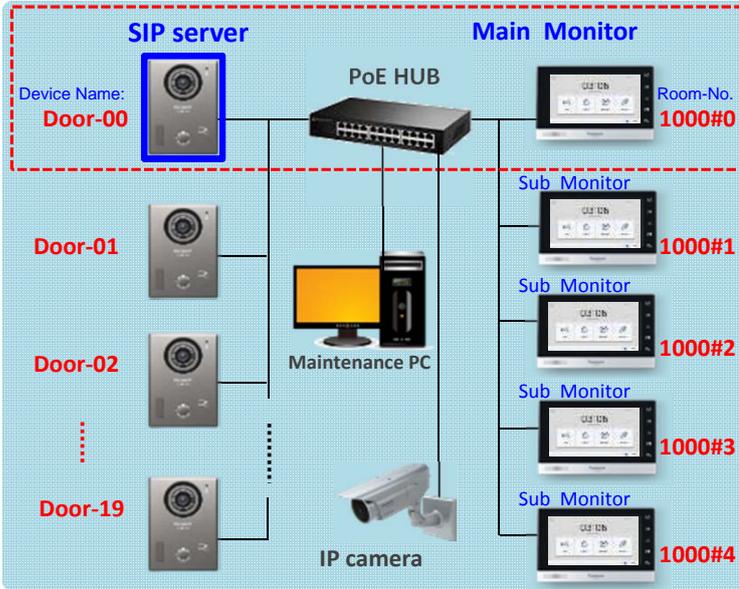
◆ **Maximum System Configuration** ( Type A : Minimum System )

## Type A

- ✓ Door Station : **up to 20**
- ✓ Room Monitor: **up to 5**
- ✓ IP Camera : **up to 32**

## Type B

- ✓ Door Station : **up to 20**
- ✓ Room monitors: **NOT connected**
- ✓ SIP Phone : **up to 1**

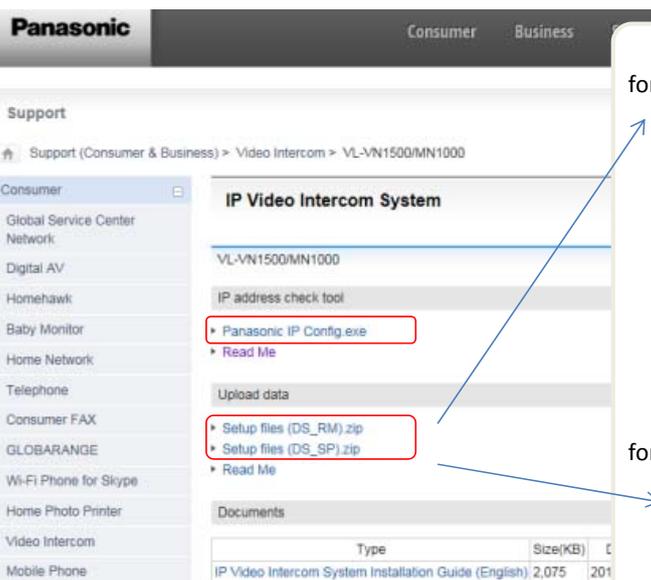


**Caution : Not support NVR connection in both System** (Snap shot recording in PC by ftp)

## Preparation before install

Panasonic provides "**Panasonic IP config.exe**" as a PC tool to confirm the IP address for each device, also "**Setup files**" to upload for each device. (It is configured with system configuration)  
 Please download "**PanasonicIPConfig.exe**" and "**Setup files**" as follows.

<https://panasonic.net/cns/pcc/support/intercom/mn1000/>



We will provide several "Setup files". Kindly download the one suitable for your system depending on the number of devices by referring to the number on the folder name (ex: "DS\_01\_RM\_05") showing maximum number of devices supported by the file.

for **Type A**

- Setup files (DS\_RM)
  - 01\_DS01\_RM05
  - 02\_DS02\_RM05
  - 03\_DS05\_RM05
  - 04\_DS10\_RM05
  - 05\_DS20\_RM05

for **Type B**

- Setup files (DS\_SP)
  - 01\_DS01\_SP1
  - 02\_DS02\_SP1
  - 03\_DS05\_SP1
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  - 05\_DS20\_SP1

- DataDL\_DS00.zip → for Door Station (Door-00)
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- DataDL\_DS02.zip → " (Door-02)
- DataDL\_DS03.zip → " (Door-03)
- DataDL\_DS04.zip → " (Door-04)
- DataDL\_RM00.zip → for Room Monitor (Main Monitor)
- DataDL\_RM01.zip → " (Sub Monitor-1)
- DataDL\_RM02.zip → " (Sub Monitor-2)
- DataDL\_RM03.zip → " (Sub Monitor-3)
- DataDL\_RM04.zip → " (Sub Monitor-4)
- AllConfig.log → for SIP Phone
- DataDL\_DS00.zip → for Door Station (Door-00)
- DataDL\_DS01.zip → " (Door-01)
- DataDL\_DS02.zip → " (Door-02)
- DataDL\_DS03.zip → " (Door-03)
- DataDL\_DS04.zip → " (Door-04)

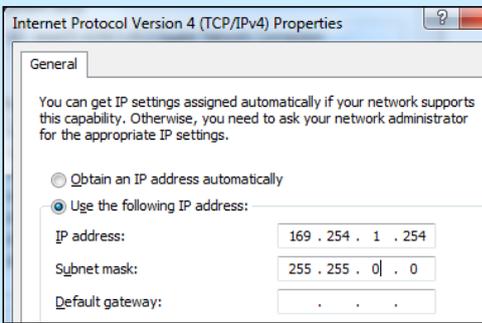
**Type A**



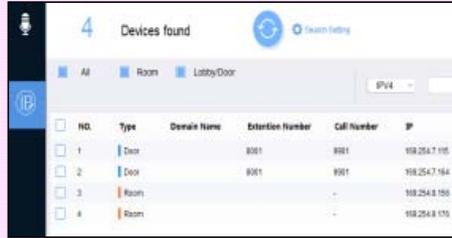
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# 1-1 How to Setting ( Just 3 steps only!!)

## Step1. PC Settings



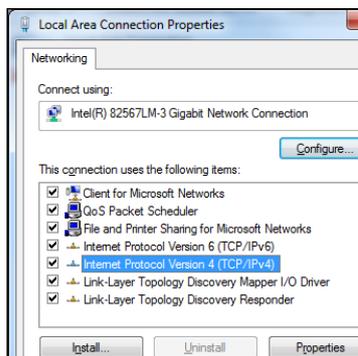
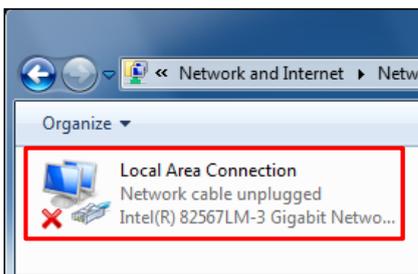
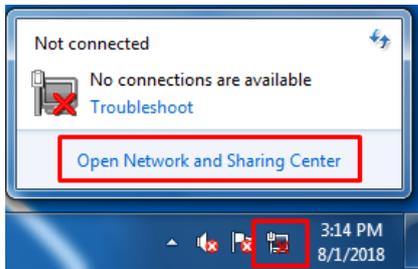
## Step2. Search Device



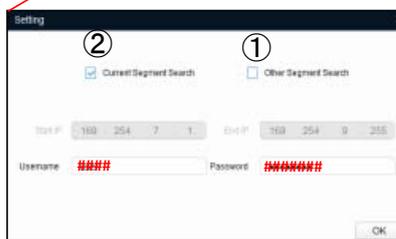
## Step3. Upload Data



• Change the IP address for PC.



• Execute the "PanasonicIPconfig.exe"



- ① Click OFF "Other Segment Search"
- ② Click ON "Current Segment Search"

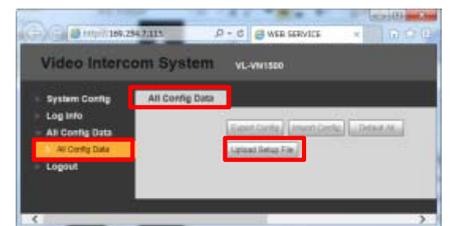
③ Click for device search.



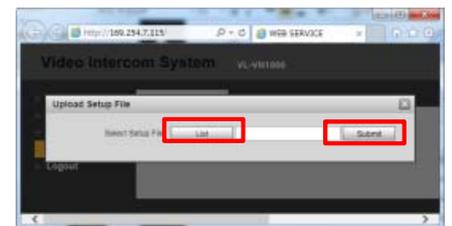
• Access to each device via Web



• Click the "Upload Setup File"



• Select "Setup File" and "Submit"



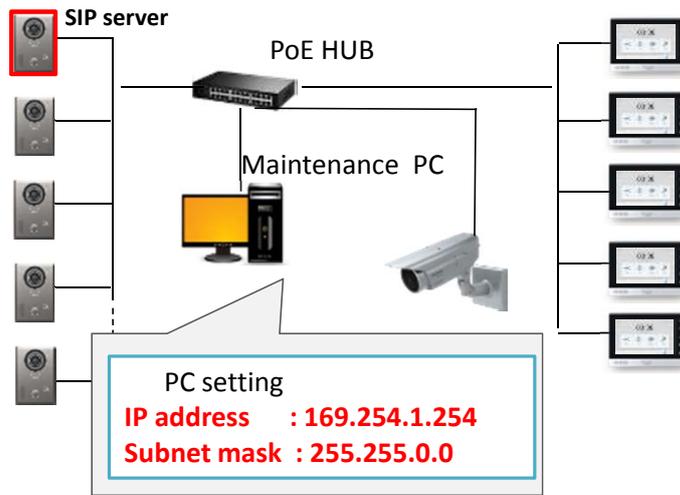
• Continuing for all devices "

# **Appendix-1**

## **(Detailed Information)**

Type A

Step.1 PC Settings



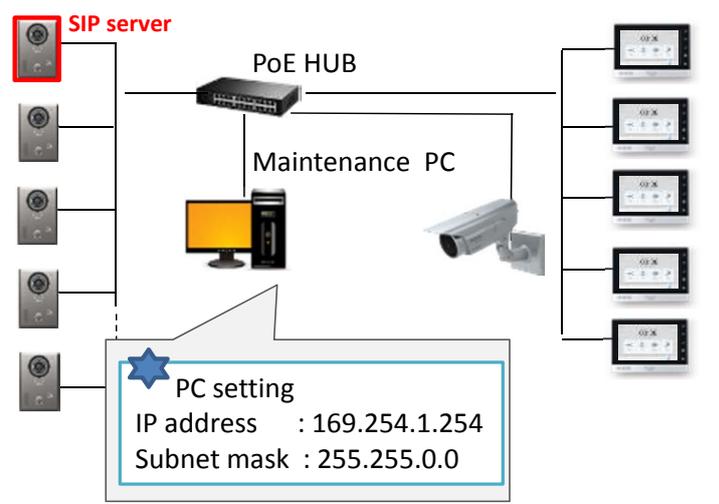
Change the IP address for PC

The process is shown in four sequential screenshots:

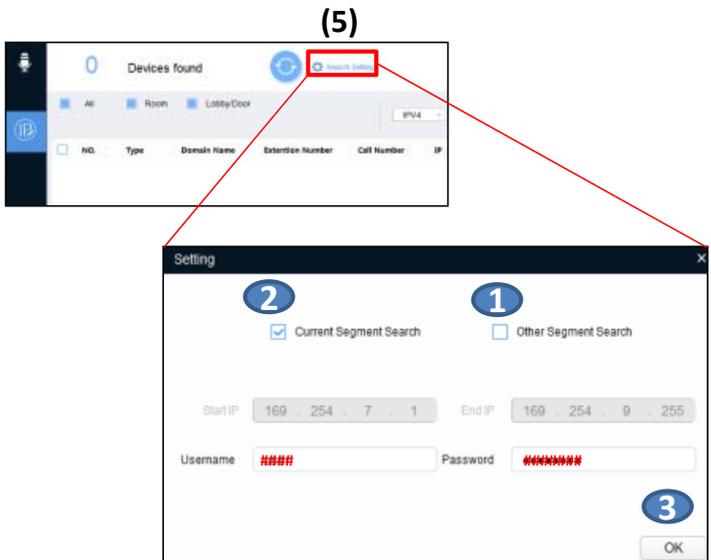
- Right-Click and Properties:** A screenshot of the Windows taskbar network tray showing a 'Not connected' status. A red box highlights the network icon, and a red box highlights the 'Open Network and Sharing Center' link in the notification area.
- Network and Sharing Center:** A screenshot of the Network and Sharing Center window. A red box highlights the 'Change adapter settings' link on the left-hand side.
- Local Area Connection Properties:** A screenshot of the 'Local Area Connection Properties' dialog box. A blue arrow points from the previous step to this dialog. The 'Internet Protocol Version 4 (TCP/IPv4)' item is selected and highlighted with a blue box.
- Input the IP address:** A screenshot of the 'Internet Protocol Version 4 (TCP/IPv4) Properties' dialog box. The 'Use the following IP address' radio button is selected. The IP address field is set to '169 . 254 . 1 . 254' and the Subnet mask field is set to '255 . 255 . 0 | . 0'. Both fields are highlighted with a red box.

Type A

Step.2 Search Devices



- (1) Before setting, confirm the MAC address with the Label on carton box one by one.
- (2) All devices and PC connect to PoE Hub.
- (3) In case of DHCP server is NOT configured the System, set IP address and Subnet mask on PC .
- (4) Execute the tool "PanasonicIPconfig.exe" on PC.
- (5) Click
  - 1 Check OFF "Other Segment Search"
  - 2 Check ON "Current Segment Search"
  - 3 Click [OK]
- (6) Click to start searching devices.
- (7) Confirm all Door Station and Room Monitor displayed on the tool "PanasonicIPconfig.exe" window.
- (8) After confirm the MAC address of the Door Station, click "e". Then pop up web-console and login to the device.



(8) IP address and MAC address are displayed. Distinguish devices by MAC Address .

(6)

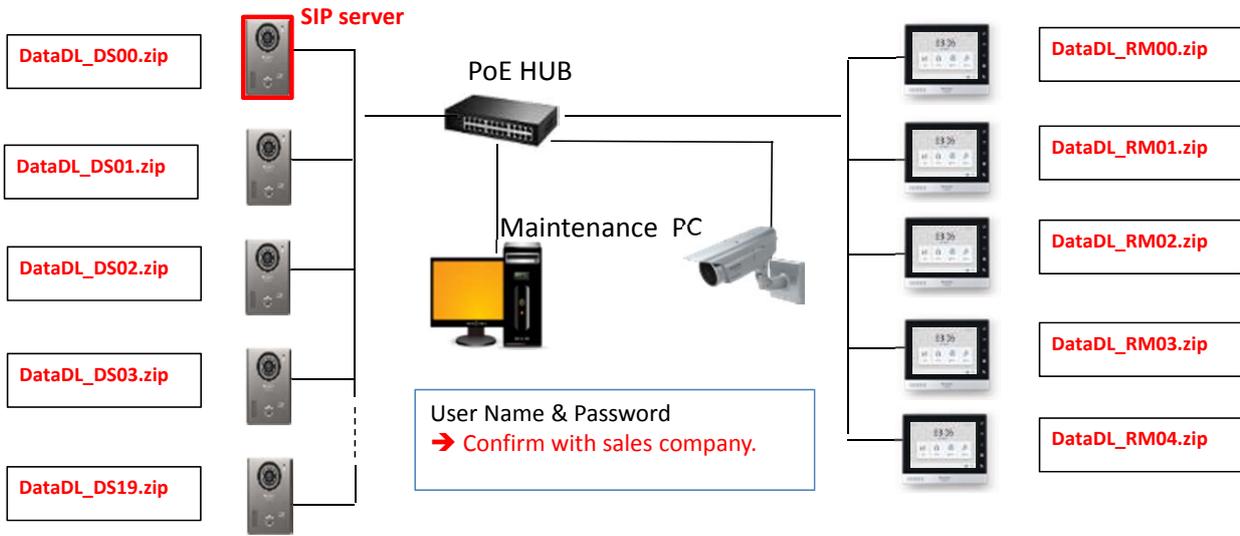
(7) Displayed Door or Room

NO.	Type	Domain Name	Extension Number	Call Number	IP	MAC
1	Door	Door-00	1100	1900	192.168.0.100	bc:c3:42:42:07:73
2	Room	1000R1	1000-1	1900	192.168.0.121	bc:c3:42:42:09:98
3	Door	Door-01	1101	1900	192.168.0.101	bc:c3:42:42:07:a4
4	Room	1000R0	1000-0	-	192.168.0.120	bc:c3:42:42:09:9c

(8) By scrolling the bar toward right, the web-console switch will be appeared.

Type A

Step.3 Upload Data



Upload the data for each devices

(9) Input the **User Name / Password** to login(DoorStation/ Room Monitor) via web-console.

(10) Click Left side menu **"All Config Data"** and Tab **"All Config Data"**  
Click  to upload the configuration

(11) Select **"Setup File"** to upload the configuration data

for Door Stations as **"DataDL\_DS\*\*..zip"**

 **DataDL\_DS\*\*..zip**

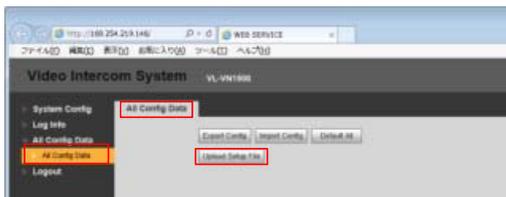
for Room Monitors as **"DataDL\_RM\*\*..zip"**

 **DataDL\_RM\*\*..zip**

(12) After uploading finished, devices reboot automatically and **"Network abort"** message will appear, then close the web window.

Assigned IP address for the system.  
(Refer page.10 "IP Address assignment").

(13) Repeat (8) to (12) for all devices which are connected.



- ◆ After **"Upload Setup file"** have been finished , all devices have a valid connection.
- ◆ If you use **"Setup files"** for more device configuration than actual, customize it according to the actual system configuration. (Refer to next page )

Type A

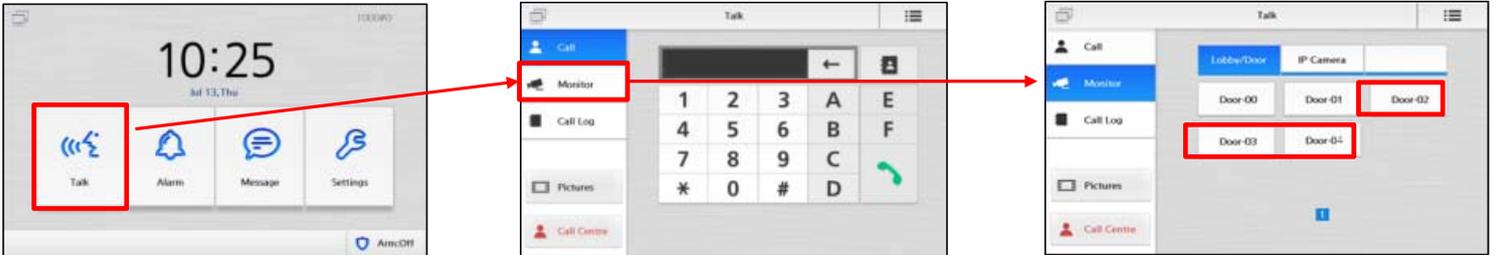
# 1-2 Set up Devices (Customize)

## Delete unused Door Stations on touch screen menu of Room Monitor.

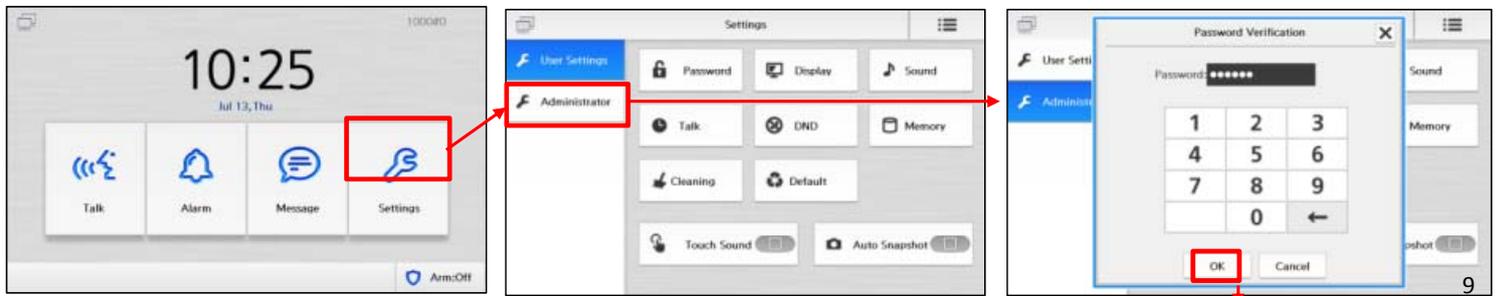
(\* Confirm Password to the sales company.

**[Example]**

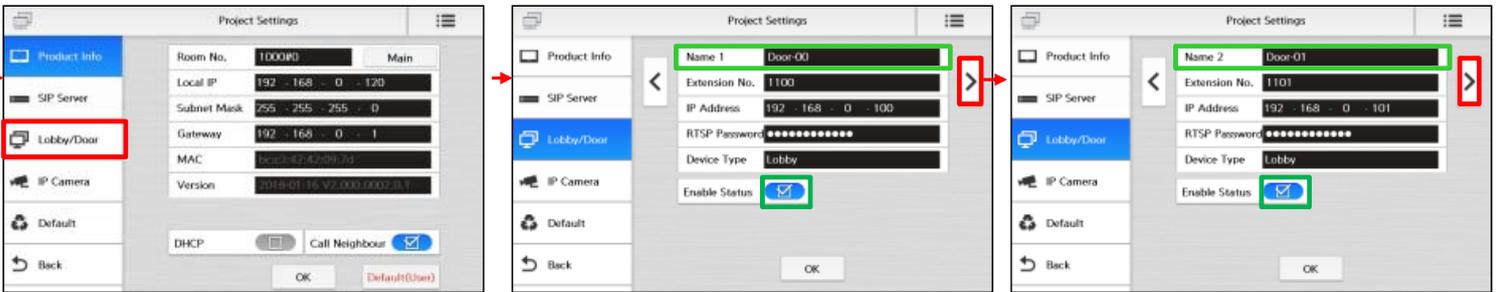
The actual system is configured 2 Door Stations. However, it has 5 door stations. So need to delete Door-02, Door-03 and Door-04. (Disable the setting of Door Stations for adopting actual system.)



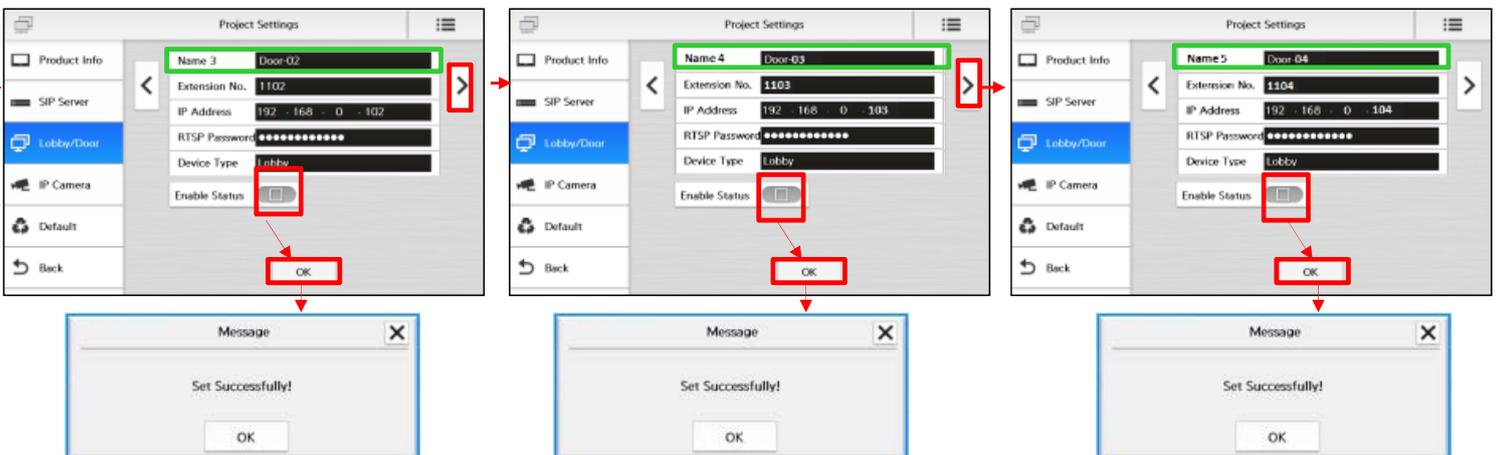
(1) Select and touch the button on Room Monitor 「Setting」→「Administrator」→ Input password (\*)



(2) Touch the button on Room Monitor "Lobby/Door"  
 (3) Check the Name of Door Stations and "Enable Status" through Door-00 to Door-01.



(4) Check off the "Enable Status" mark of Door-02, Door-03 and Door-04 for disable.



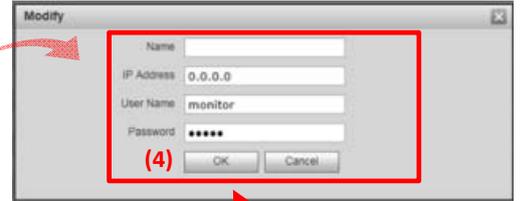
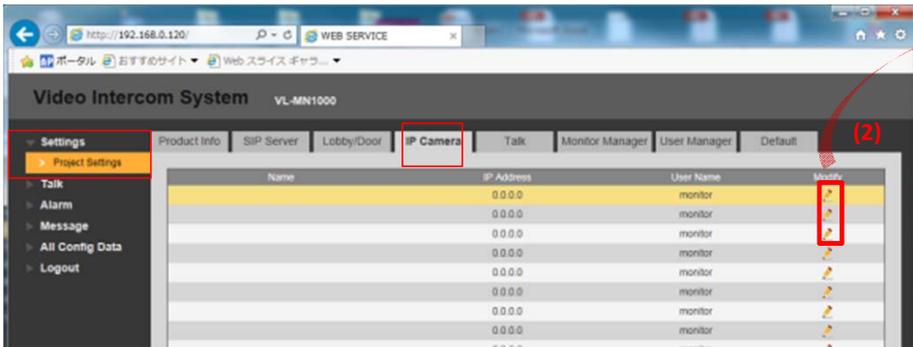
Type A

1-3 Integration (IP Camera)

To register the IP Cameras

- ◆ Make IP Address architecture plan in advance according to IP Address table “IP Address assignment” ( Refer page 10 ).  
*Static IP Addresses are reserved for IP Cameras.*
- ◆ Set up IP Cameras and the parameters shall be set one by one.

Go to Room-Monitor web-console,



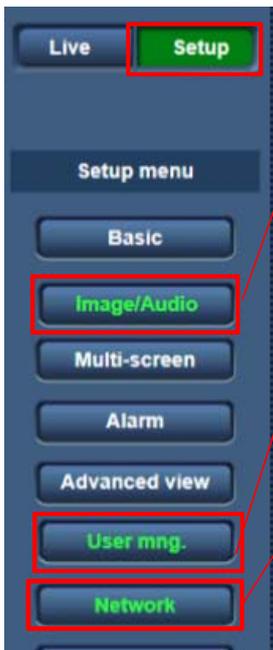
(1)

(2)

- (3) Input the IP camera information,
- Name: \*voluntary (non-fixed)
  - IP Address : Refer page.10  
\*reserved IP Address (fixed)
  - User Name : “ monitor ”  
\*reserved name (fixed)
  - Password : Same as ★  
\*voluntary (non-fixed)

- (1) Click left side menu “Setting” – “Project Setting” and Tab “ IP Camera”
- (2) Click “modify” of the IP Camera
- (3) Input the IP Camera information
- (4) Click “OK”
- (5) Repeat (1) ~ (4) for all IP Cameras which are connected.

(setting i-Pro )



- [ Image/Audio ] H.264(2) setting is applied forcibly.  
H.264(2): **On**                      H264H (for e-series)  
Image capture size : **1280 x 720**  
Frame rate : **20 fps**                      20 fps or less (for e-series)
  - [ User mng. ]  
Authentication: **Basic**  
User name : “**monitor**” (fixed)  
Password : Password same as ★  
Access level : **3.Live only** (fixed)      Group : user (for e-series)
  - [ Network ]  
Select Network Settings: **Static**      Mode : Static (for e-series)  
IP address (IPv4) : **192.168.0.130 \***  
Subnet mask :      **255.255.255.0 (fixed)**  
Default gateway : **192.168.0.1 (fixed)**
- \* Static IP Addresses are reserved for IP Cameras. ( Refer page 10)

(setting e-series )



If you need detail information, refer to the installation guide for IP camera.

## Type A

## 1-4 list of IP address

## Door Station Up to 20pcs. 192.168.0.100 ~ 192.168.0.119

Device Name/ Type		Extension	IP Address	Subnet mask	Configuration file
Door-00	SIP server	1100	192.168.0.100	255.255.255.0	DataDL_DS0.zip
Door-01	Client1	1101	192.168.0.101	255.255.255.0	DataDL_DS1.zip
Door-02	Client2	1102	192.168.0.102	255.255.255.0	DataDL_DS2.zip
Door-03	Client3	1103	192.168.0.103	255.255.255.0	DataDL_DS3.zip
~					
Door-18	Client18	1118	192.168.0.118	255.255.255.0	DataDL_DS18.zip
Door-19	Client19	1119	192.168.0.119	255.255.255.0	DataDL_DS19.zip

## Room Monitor Up to 5pcs. 192.168.0.120 ~ 192.168.0.124

Device Name/ Type		Extension	IP Address	Subnet mask	Configuration file
Room#0	Main	1000-0	192.168.0.120	255.255.255.0	DataDL_RM0.zip
Room#1	Sub1	1000-1	192.168.0.121	255.255.255.0	DataDL_RM1.zip
Room#2	Sub2	1000-2	192.168.0.122	255.255.255.0	DataDL_RM2.zip
Room#3	Sub3	1000-3	192.168.0.123	255.255.255.0	DataDL_RM3.zip
Room#4	Sub4	1000-4	192.168.0.124	255.255.255.0	DataDL_RM4.zip

## SIP Phone 192.168.0.125

Device Name	Extension	IP Address	Subnet mask	Config file	SIP_password
Call_01	2000	192.168.0.125	255.255.255.0	AllConfig.Log	CallCenter2000

## IP Camera UP to 32pcs. 192.168.0.130 ~ 192.168.0.161

Device Name	IP Address	Subnet mask	Default Gateway
IP_Camera00	192.168.0.130	255.255.255.0	192.168.0.1
IP_Camera01	192.168.0.131	255.255.255.0	192.168.0.1
~			
IP_Camera31	192.168.0.161	255.255.255.0	192.168.0.1

## PC 192.168.0.170 and 192.168.0.171

Device Name	IP Address	Subnet mask	Default Gateway
Maintenance PC	192.168.0.170	255.255.255.0	192.168.0.1
FTP Server PC	192.168.0.171	-	-

- The actual product may vary slightly from photograph.
- All pictures of the LCD display are simulated.
- Design and Specifications are subject to change without notice.
- These products may be subject to export control regulations.

# **Appendix-2**

## **(Additional Functions)**

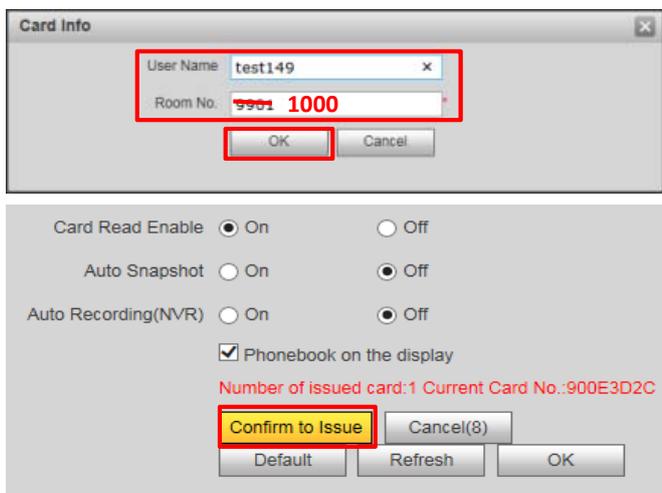
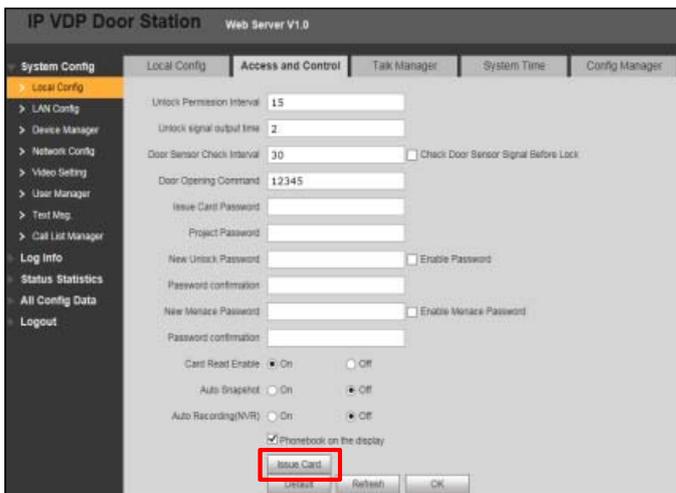
Type A

Additional Functions

(1) How to register the MIFARE card *\*Need to set for each door station 1 by 1.*

■ Issuing Access Cards (via Web)

1. Access to the Door Station via Web.  
System Config/Local Config/Access and Control
2. Press "Issue Card"
3. Swipe a desired Access Card
4. Input the "User name and Room No." and Press "OK"
5. Press "Confirm to Issue"
6. You can see "Issue card success!"



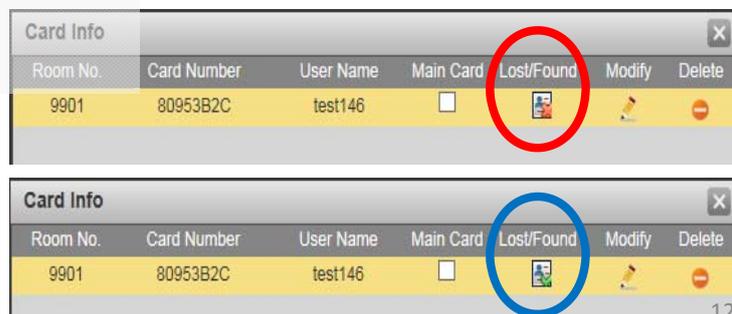
■ Deleting Access Cards (via Web)

1. It requires to register the Phonebook in advance.
2. Select "System Config/Call List Manager/Phonebook"
3. Push the "Card No.Info" (Select the desired Room)
4. Push the "Delete"



■ Change status of Lost/Found (via Web)

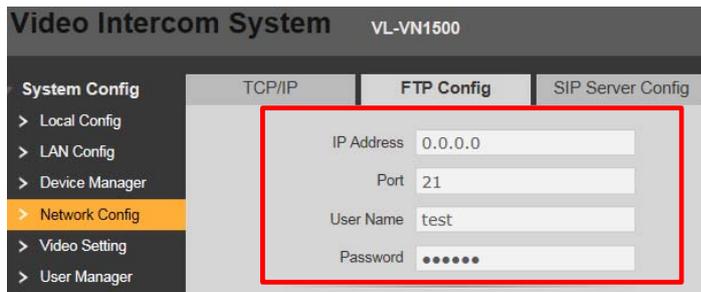
1. It requires to register the Phonebook in advance.
2. Select "System Config/Call List Manager/Phonebook"
3. Push the "Card No.Info" (Select the desired Room)
4. Push the "Lost/Found"



## (2) How to set for snap shot recording

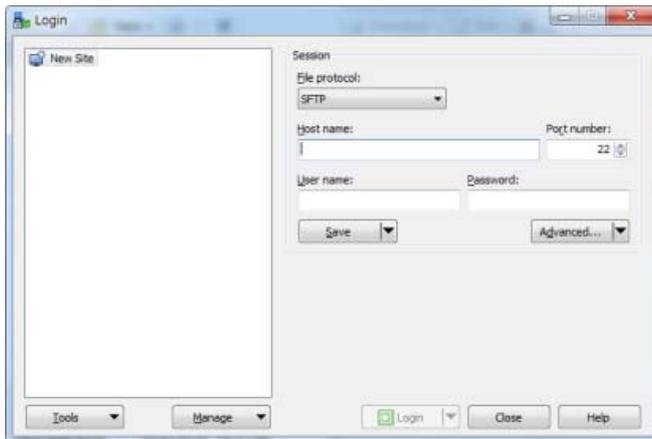
### ● Setting for each Door Stations web-console

-> User NAME and Password shall be set the same as FTP server on PC.



### ● Setting for FTP server

-> It needs to input any information for FTP server.

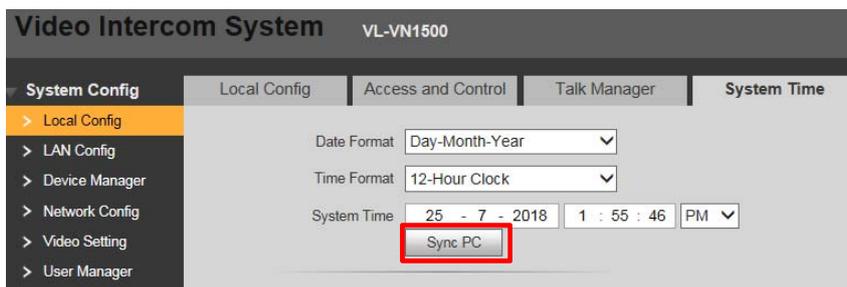


Example : FTP server settings

## (3) How to synchronize with the monitor clock

### ● Go to Door Station web-console ( only SIP-Server DS00 )

-> Press the "Sync PC"



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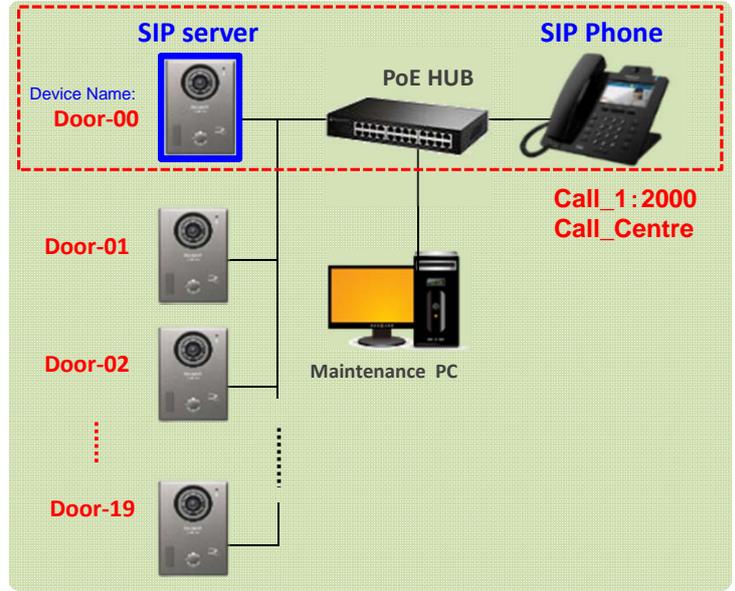
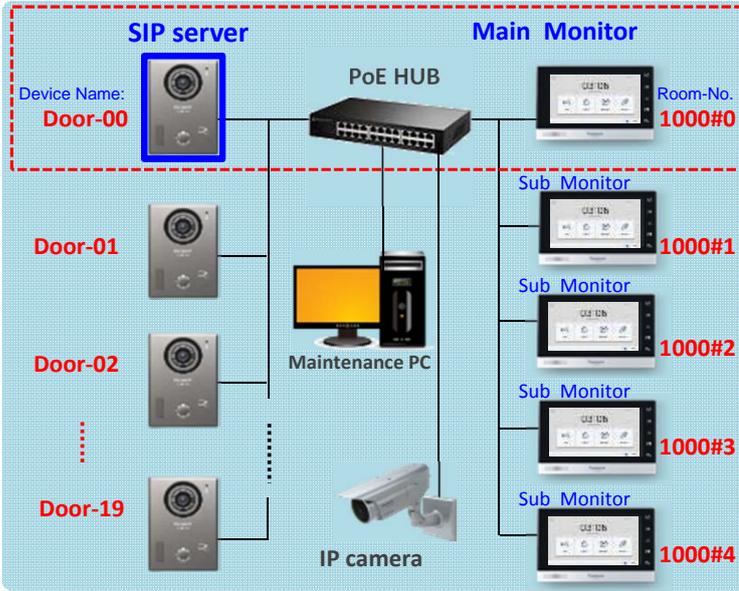
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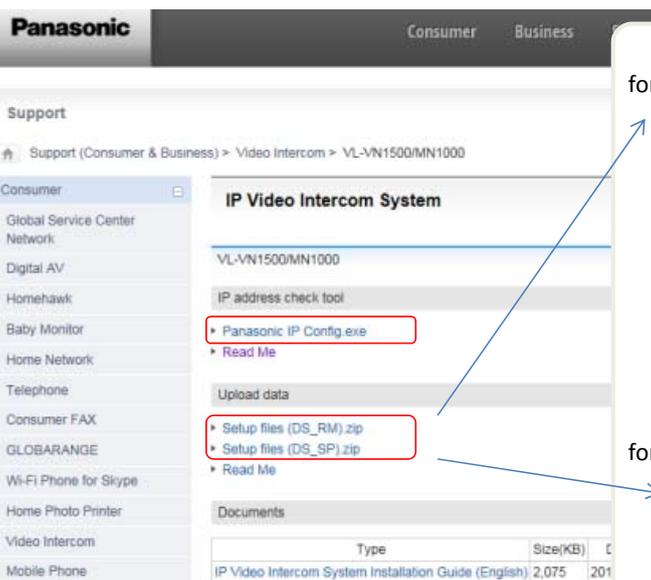


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  - 04\_DS10\_RM05
  - 05\_DS20\_RM05

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- DataDL\_DS02.zip → " (Door-02)
- DataDL\_DS03.zip → " (Door-03)
- DataDL\_DS04.zip → " (Door-04)

- DataDL\_RM00.zip → for Room Monitor (Main Monitor)
- DataDL\_RM01.zip → " (Sub Monitor-1)
- DataDL\_RM02.zip → " (Sub Monitor-2)
- DataDL\_RM03.zip → " (Sub Monitor-3)
- DataDL\_RM04.zip → " (Sub Monitor-4)

for **Type B**

- Setup files (DS\_SP)
  - 01\_DS01\_SP1
  - 02\_DS02\_SP1
  - 03\_DS05\_SP1
  - 04\_DS10\_SP1
  - 05\_DS20\_SP1

- AllConfig.log → for SIP Phone
- DataDL\_DS00.zip → for Door Station (Door-00)
- DataDL\_DS01.zip → " (Door-01)
- DataDL\_DS02.zip → " (Door-02)
- DataDL\_DS03.zip → " (Door-03)
- DataDL\_DS04.zip → " (Door-04)

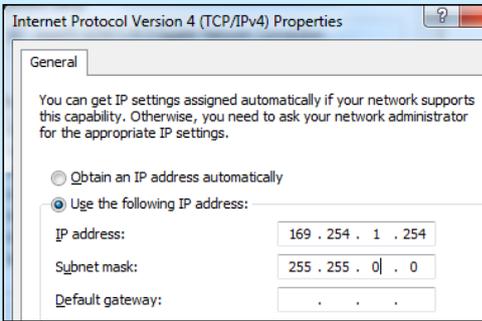
# Type B



**Type B**

**1-1 How to Setting ( Just 3 steps only!!)**

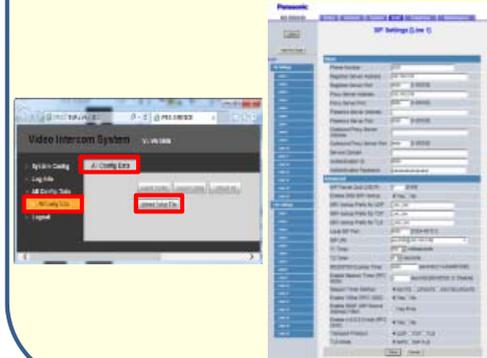
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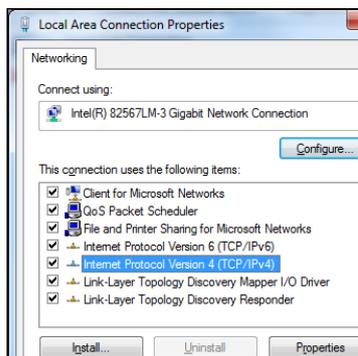
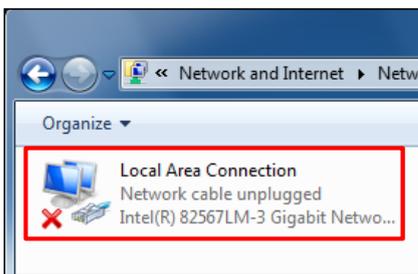
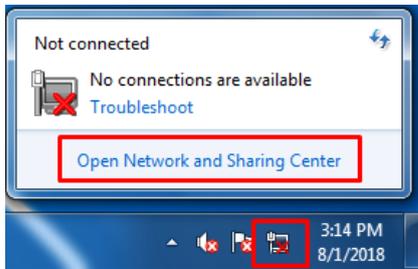
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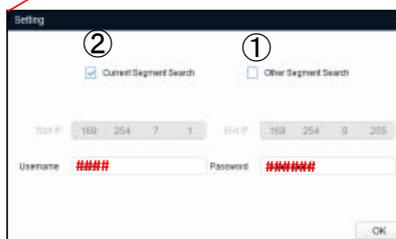
**Step3. Upload Data and SIP-PHONE settings**



• Change the IP address for PC.



• Execute the "PanasonicIPconfig.exe"



- ① Click OFF "Other Segment Search"
- ② Click ON "Current Segment Search"

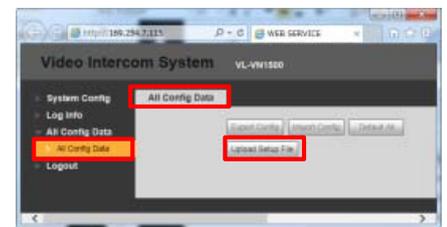
③ Click for device search.



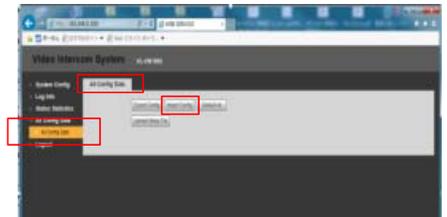
• Access to each device via Web



• Click the "Upload Setup File"



• Click the "Import Config"



• Setup SIP-PHONE

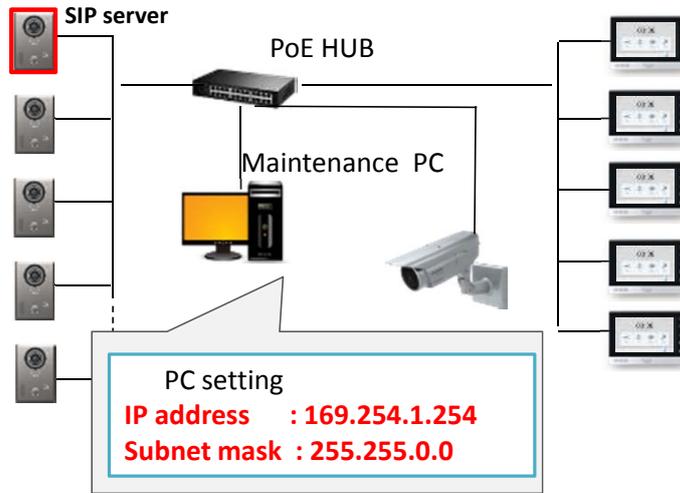


# **Appendix-1**

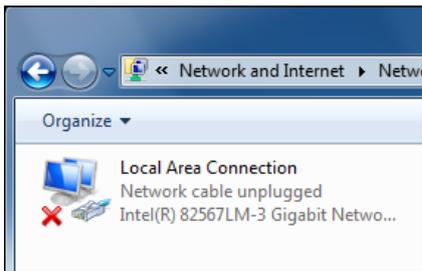
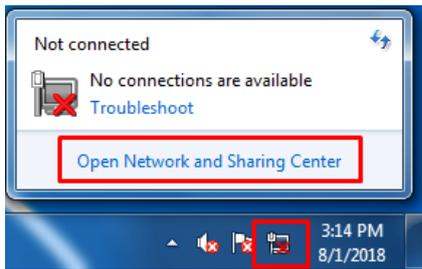
## **(Detailed Information)**

Type B

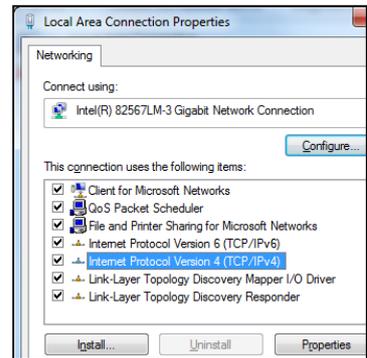
Step.1 PC Settings



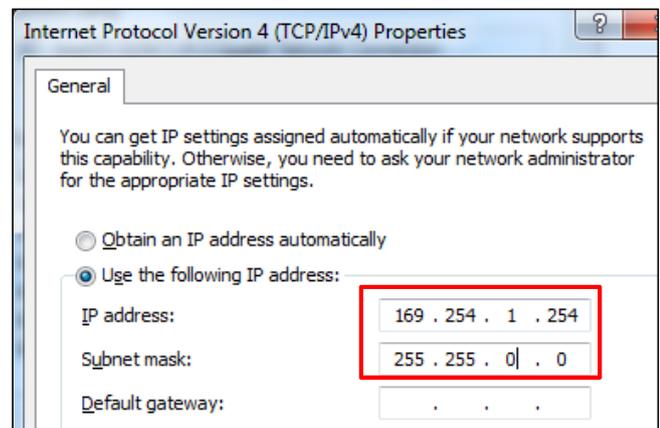
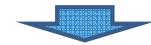
Change the IP address for PC



Right-Click and Properties



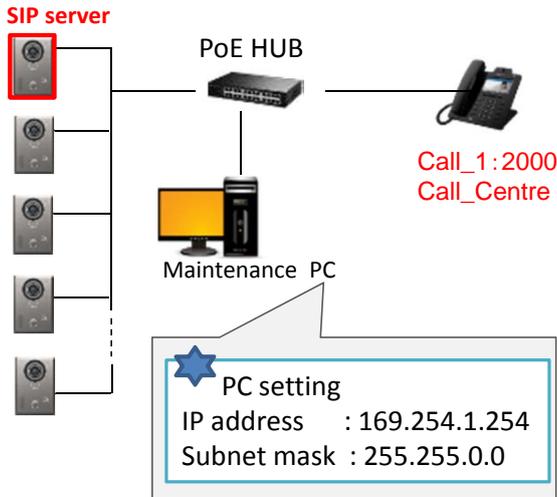
TCP/IPv4 , Properties



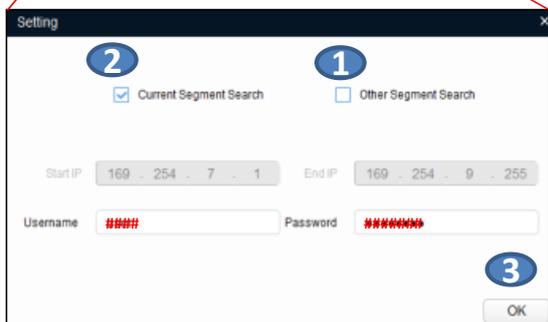
Input the IP address

Type B

Step.2 Search Devices



- (1) Before setting, confirm the MAC address with the Label on carton box one by one.
- (2) All devices and PC connect to PoE Hub.
- (3) In case of DHCP server is NOT configured the System, set IP address and Subnet mask on PC. ★
- (4) Execute the tool “ **PanasonicIPconfig.exe** ” on PC.
- (5) Click
  - 1 Check OFF “**Other Segment Search**”
  - 2 Check ON “**Current Segment Search**”
  - 3 Click [OK]
- (6) Click to start searching devices.
- (7) Confirm all Door Station and Room Monitor displayed on the tool “ **PanasonicIPconfig.exe** ” window.  
**Note:SIP-PHONE is NOT displayed.**
- (8) After confirm the MAC address of the Door Station, click “ ”. Then pop up web-console and login to the device.

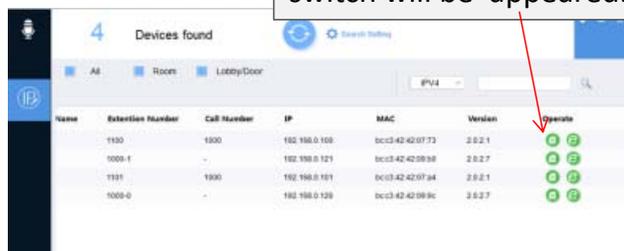


(8) IP address and MAC address are displayed. Distinguish devices by MAC Address .

(7) Displayed Door or Room

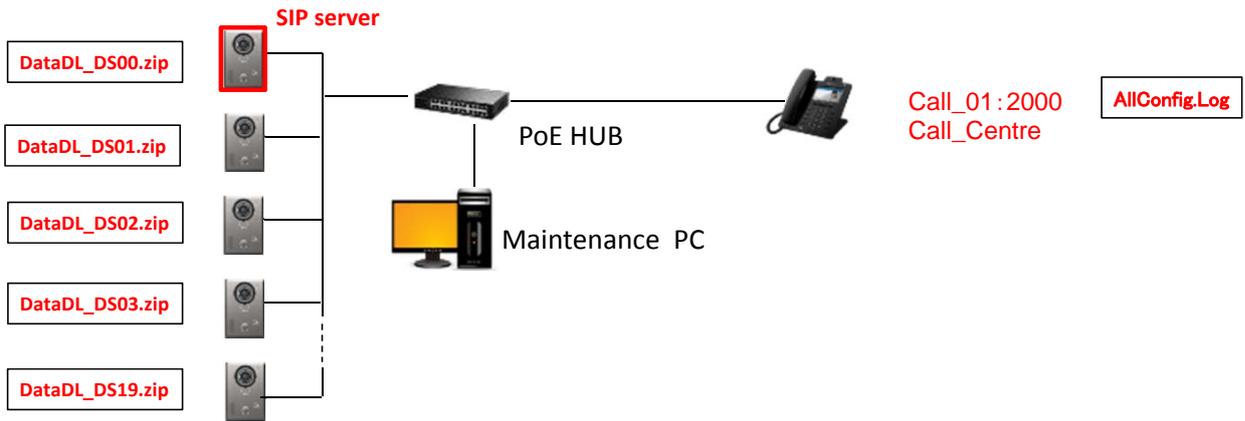


(8) By scrolling the bar toward right, the web-console switch will be appeared.

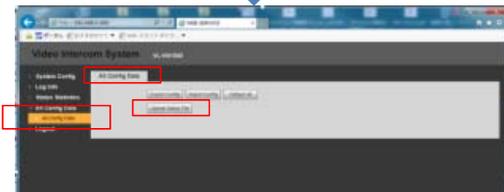


Type B

Step.3 Upload Data



(\*) Confirm password to the sales company.



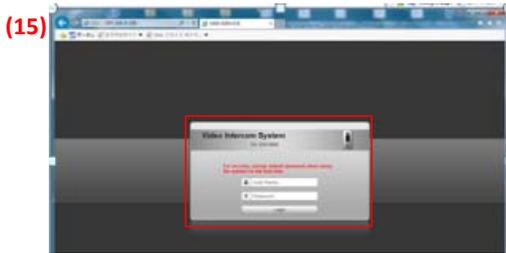
(9) Input the **User Name / Password (\*)** to login the Door Station via web-console.

(10) Click Left side menu **"All Config Data"** and Tab **"All Config Data"** Click **Upload Setup File** to upload the configuration

(11) Select **"Setup File"** to upload the configuration data for Door Stations as **"DataDL\_DS\*\* .zip"**

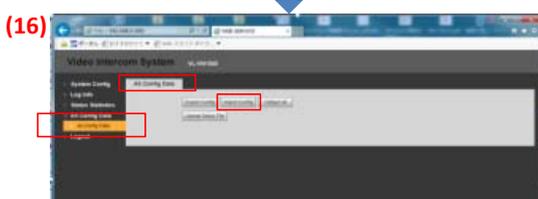
(12) After uploading finished , devices reboot automatically and **"Network abort"** message will appear, then close the web window. Assigned IP address for the system (Refer page.23:"IP Address assignment").

(13) Repeat (8) to (12) for all Door Stations which are connected.



(14) **Change** IP address and Subnet mask on PC.

★ PC setting  
 IP address : 192.168.0.170  
 Subnet mask : 255.255.255.0



(15) Input the **User Name / Password (\*)** to login the Door Station via web-console.

(16) Click left side menu **"All Config Data"** and Tab **"All Config Data"** Click **Import Config** to import the configuration data for SIP-Phone as **"AllConfig.Log"**

(17) Repeat (15) and (16) for all Door Stations which are connected.

Type B

1-2 Set Up SIP-Phone

If you need detail information, refer to the installation guide for SIP-Phone.

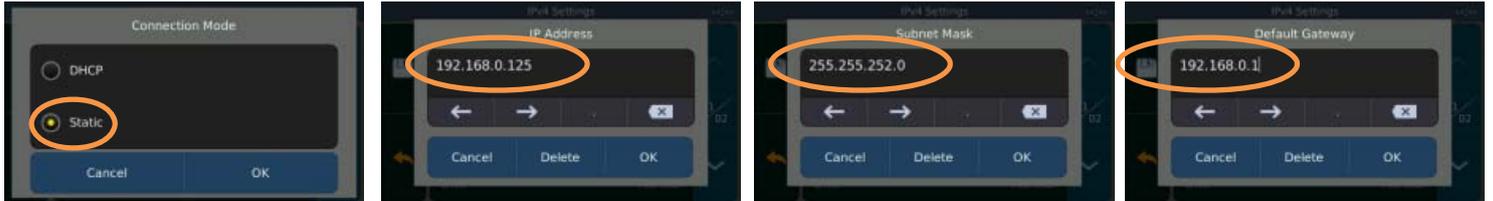


KX-HDV430

Network Setting by operating touch panel UI.



System Settings → Network Settings → IPv4 Settings

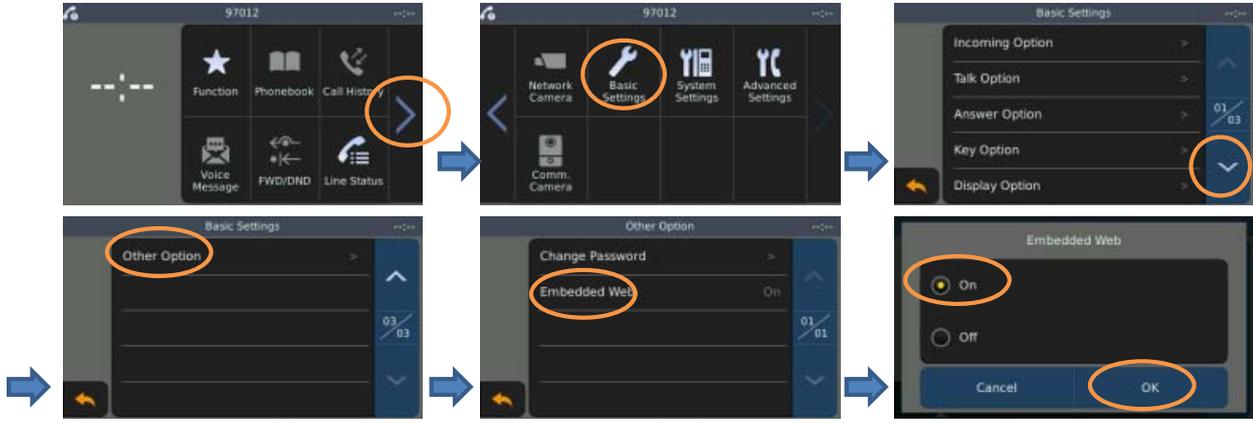


- 1 Connection Mode Static
- 2 IP Address 192.168.0.125
- 3 Subnet Mask 255.255.252.0
- 4 Default Gateway 192.168.0.1



Static IP Addresses are reserved for SIP-Phone.  
(Refer page 23)

Before SIP Setting, Embedded Web on the SIP-Phone must be conformed "ON" by operating touch panel UI.



Change PC IP Address **192.168.0.170**  
SIP Phone Web Setting : VoIP -> SIP Settings -> Line1

- 1 Phone Number : 2000
- 2 Registrar Server Address : 192.168.0.100
- 3 Proxy Server Address : 192.168.0.100
- 4 Authentication ID : 2000
- 5 Authentication Password: CallCenter2000
- 6 SIP URI : sip:2000@192.168.0.100



## Type B

## 1-3 list of IP address

## Door Station Up to 20pcs. 192.168.0.100 ~ 192.168.0.119

Device Name/ Type		Extension	IP Address	Subnet mask	Configuration file
Door-00	SIP server	1100	192.168.0.100	255.255.255.0	DataDL_DS0.zip
Door-01	Client1	1101	192.168.0.101	255.255.255.0	DataDL_DS1.zip
Door-02	Client2	1102	192.168.0.102	255.255.255.0	DataDL_DS2.zip
Door-03	Client3	1103	192.168.0.103	255.255.255.0	DataDL_DS3.zip
~					
Door-18	Client18	1118	192.168.0.118	255.255.255.0	DataDL_DS18.zip
Door-19	Client19	1119	192.168.0.119	255.255.255.0	DataDL_DS19.zip

## Room Monitor Up to 5pcs. 192.168.0.120 ~ 192.168.0.124

Device Name/ Type		Extension	IP Address	Subnet mask	Configuration file
Room#0	Main	1000-0	192.168.0.120	255.255.255.0	DataDL_RM0.zip
Room#1	Sub1	1000-1	192.168.0.121	255.255.255.0	DataDL_RM1.zip
Room#2	Sub2	1000-2	192.168.0.122	255.255.255.0	DataDL_RM2.zip
Room#3	Sub3	1000-3	192.168.0.123	255.255.255.0	DataDL_RM3.zip
Room#4	Sub4	1000-4	192.168.0.124	255.255.255.0	DataDL_RM4.zip

## SIP Phone 192.168.0.125

Device Name	Extension	IP Address	Subnet mask	Config file	SIP_password
Call_01	2000	192.168.0.125	255.255.255.0	AllConfig.Log	CallCenter2000

## IP Camera UP to 32pcs. 192.168.0.130 ~ 192.168.0.161

Device Name	IP Address	Subnet mask	Default Gateway
IP_Camera00	192.168.0.130	255.255.255.0	192.168.0.1
IP_Camera01	192.168.0.131	255.255.255.0	192.168.0.1
~			
IP_Camera31	192.168.0.161	255.255.255.0	192.168.0.1

## PC 192.168.0.170 and 192.168.0.171

Device Name	IP Address	Subnet mask	Default Gateway
Maintenance PC	192.168.0.170	255.255.255.0	192.168.0.1
FTP Server PC	192.168.0.171	-	-

- The actual product may vary slightly from photograph.
- All pictures of the LCD display are simulated.
- Design and Specifications are subject to change without notice.
- These products may be subject to export control regulations.

# **Appendix-2**

## **(Additional Functions)**

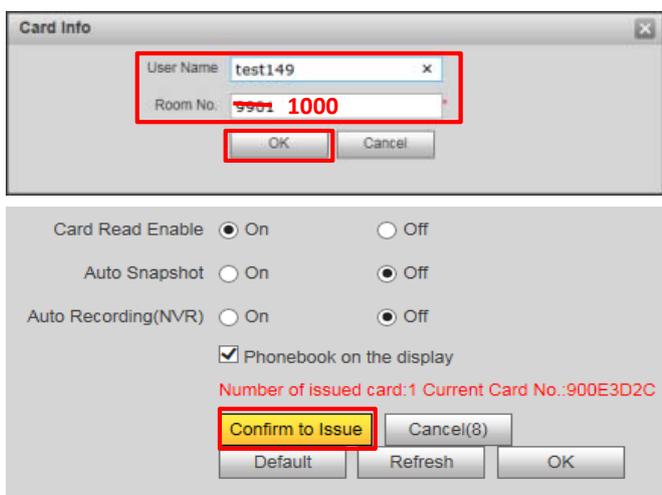
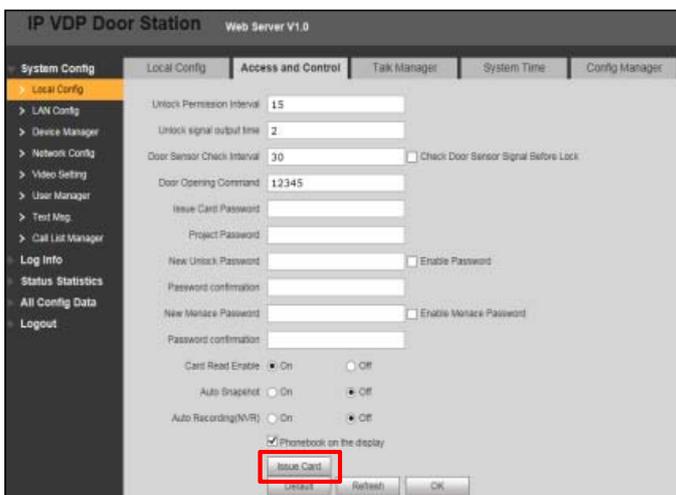
Type B

# Additional Functions

## (1) How to register the MIFARE card *\*Need to set for each door station 1 by 1.*

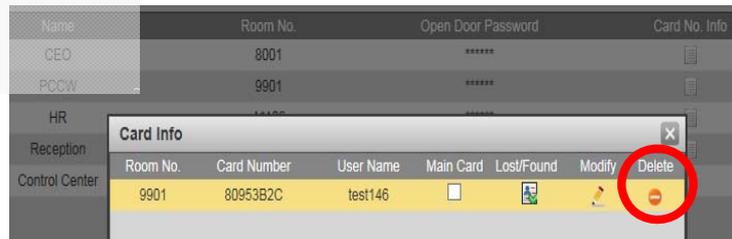
### ■ Issuing Access Cards (via Web)

1. Access to the Door Station via Web.  
System Config/Local Config/Access and Control
2. Press "Issue Card"
3. Swipe a desired Access Card
4. Input the "User name and Room No." and Press "OK"
5. Press "Confirm to Issue"
6. You can see "Issue card success!"



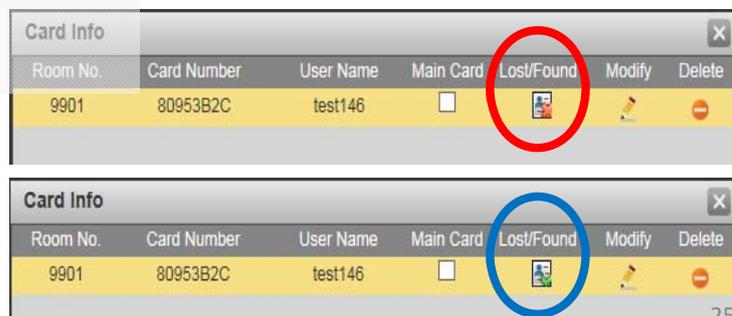
### ■ Deleting Access Cards (via Web)

1. It requires to register the Phonebook in advance.
2. Select "System Config/Call List Manager/Phonebook"
3. Push the "Card No.Info" (Select the desired Room)
4. Push the "Delete"



### ■ Change status of Lost/Found (via Web)

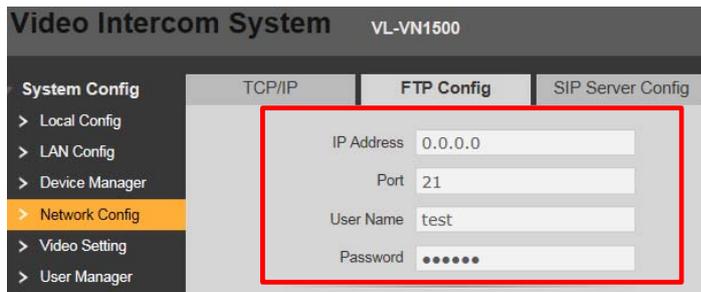
1. It requires to register the Phonebook in advance.
2. Select "System Config/Call List Manager/Phonebook"
3. Push the "Card No.Info" (Select the desired Room)
4. Push the "Lost/Found"



## (2) How to set for snap shot recording

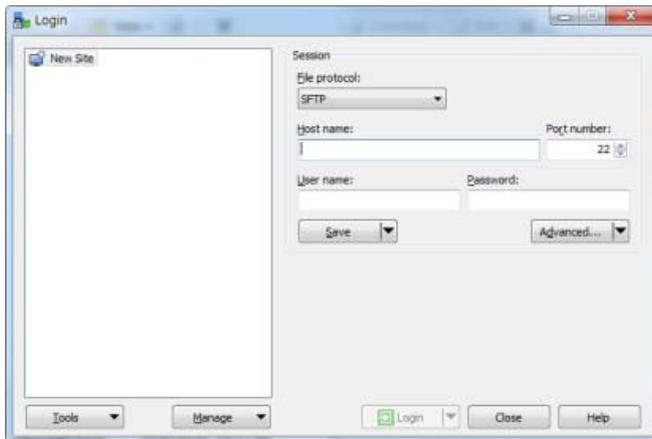
### ● Setting for each Door Stations web-console

-> User NAME and Password shall be set the same as FTP server on PC.



### ● Setting for FTP server

-> It needs to input any information for FTP server.



Example : FTP server settings

## (3) How to open the gate from SIP-PHONE

-> refer to the Installation document for IP-VIC apartment model.

Installation documents are available at the following web site.

<https://panasonic.net/cns/pcc/support/intercom/vn1900/>

Document: VL-VN1900 Installation and Operating Instructions (English)  
Section: 6.2 Facility staff operations using a SIP phone