AK-HRP1010 IP Connection Setup Guide
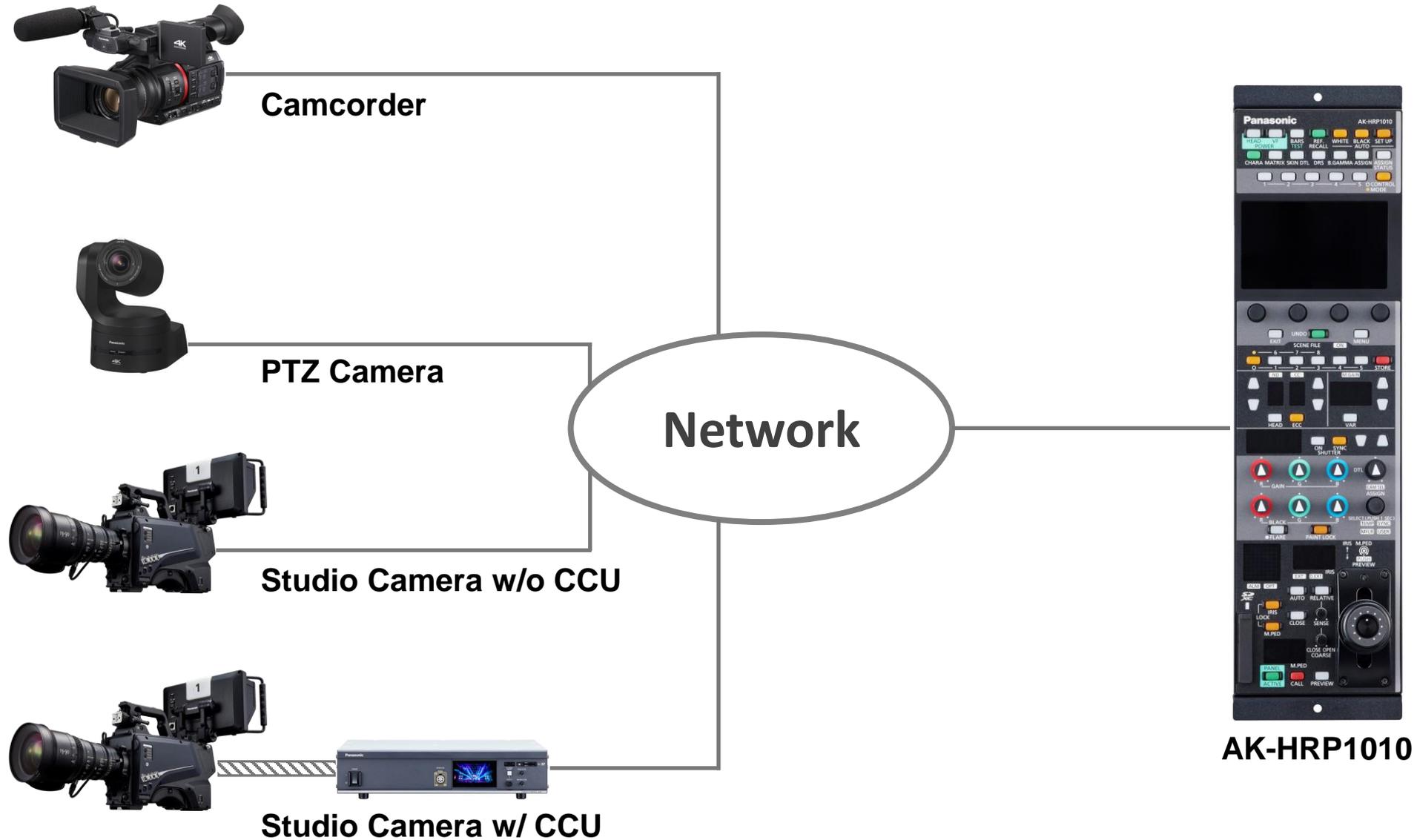
Camcorder

PTZ Camera

Studio Camera w/o CCU

Studio Camera w/ CCU

Network

AK-HRP1010

Aug. 2024

Contents

※   **At first, please update the firmware to the latest.**

1. Setup with Camcorder (AG-CX350)
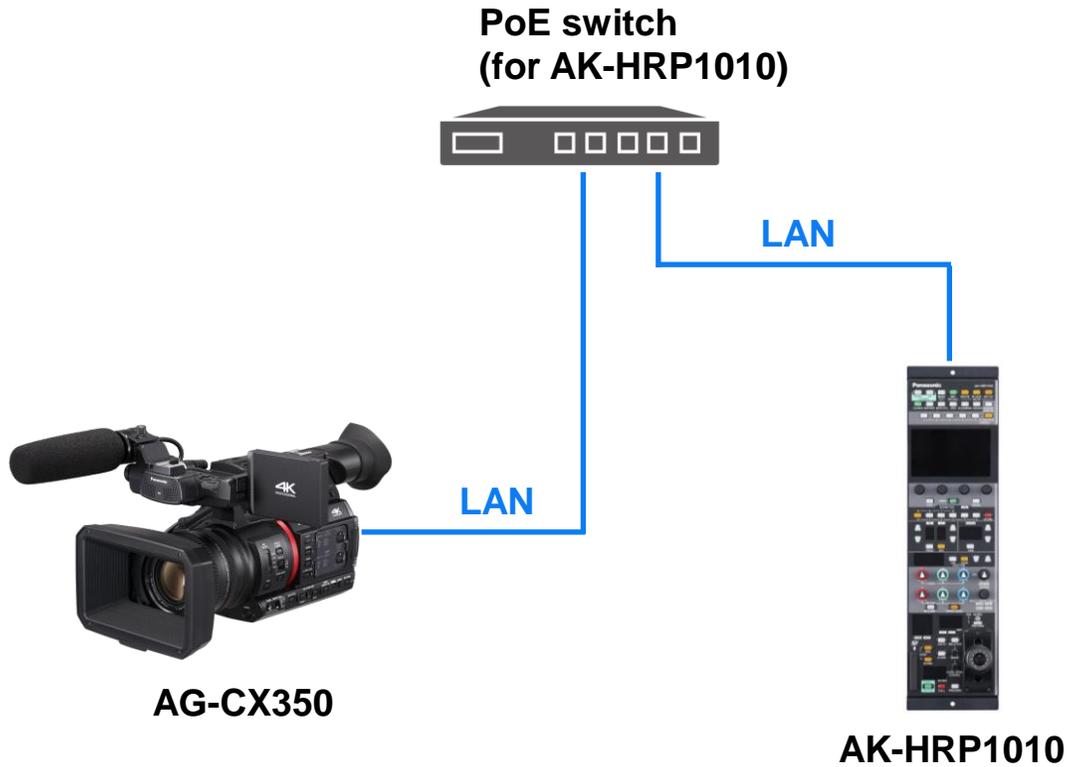
**PoE switch
(for AK-HRP1010)**

LAN

LAN

AG-CX350

AK-HRP1010

Camcorder	CONNECT MODE	PORT
AG-CX350	LAN (AG)	49154
AG-CX4000	LAN (AJ2)	49154
VariCam LT	LAN (AU)	49152
AU-EVA1	LAN (AU2)	49152

o **In order for the HRP1010 to connect the camcorder, CAM IP, PORT, CONNECT MODE, and CAMERA AUTH SETTING are the required parameters.**

o **If the camera does not have EASY IP SETTING menu (e.g. VariCam LT, EVA1), CAM IP, PORT, and CONNECT MODE need to be set in the HRP1010 manually.**
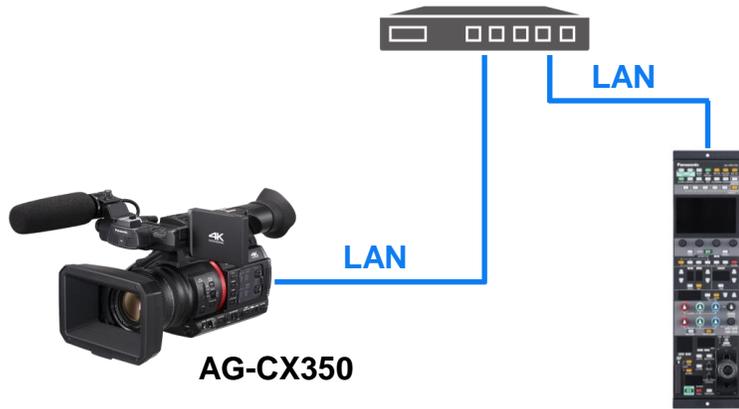
AG-CX350

1. **Locate the CX350 in the same network as the HRP1010.**

		DEVICE SEL	EXIT
CAMER	DEVICE SEL	NETWORK FUNC	✔ LAN
SCENE		IP REMOTE	WLAN
AUDIO		UPLOAD	USB TETHERING
VIDEO		STREAMING	OFF
RECORI		NDI|HX	
NETWO		LAN PROPERTY	
SYSTEM		WLAN PROPERTY	
OTHERS			

2. **MENU > NETWORK > DEVICE SEL > LAN**
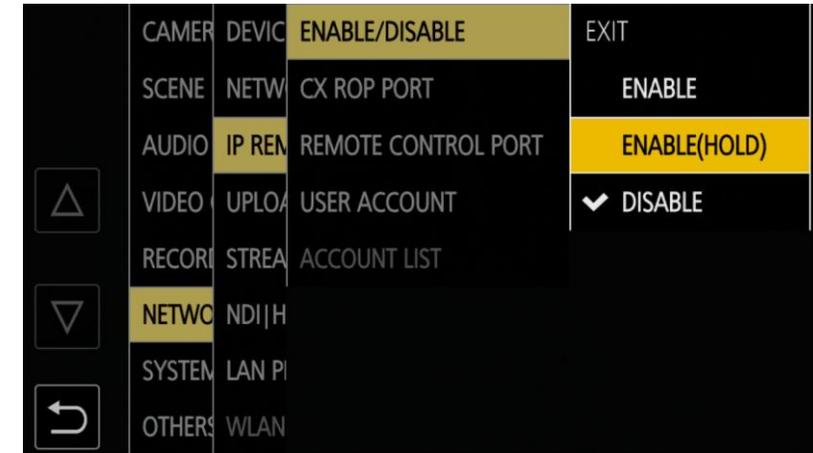
3. **IP REMOTE > ENABLE/DISABLE > ENABLE(HOLD)**

		ENABLE/DISABLE	ENABLE(HOLD) ▶
CAMER	DEVIC	CX ROP PORT	49152
SCENE	NETW	REMOTE CONTROL PORT	49154
AUDIO	IP REN	USER ACCOUNT	
VIDEO	UPLOA	ACCOUNT LIST	
RECORI	STREA		
NETWO	NDI|H		
SYSTEN	LAN PI		
OTHERS	WLAN		
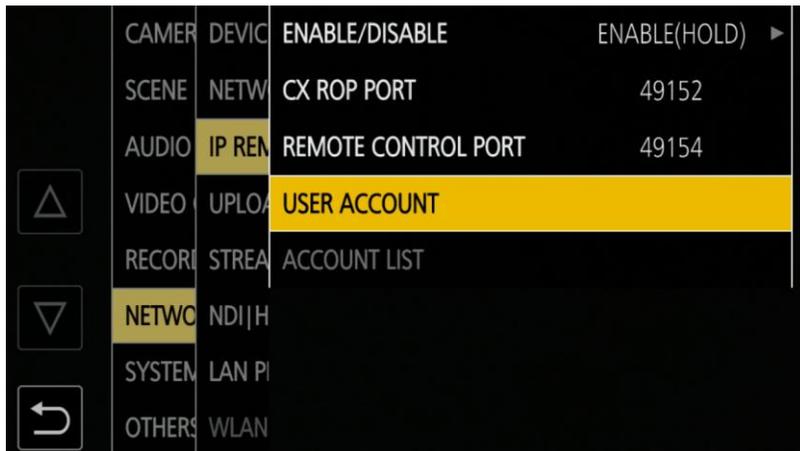
4. **USER ACCOUNT**

5. **Set Account name, e.g. CX350.**
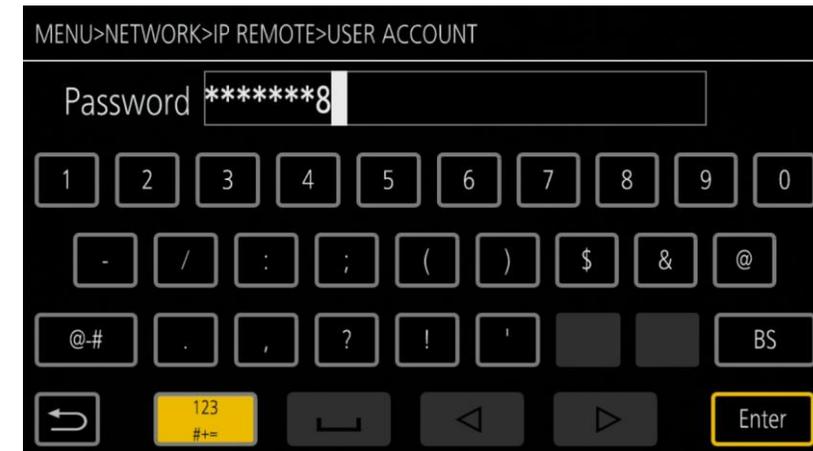
6. **Set Password, e.g. 12345678.**

e.g.

- DHCP   : OFF
- IP ADDRESS   : 192.168.0.35
- SUBNET MASK   : 255.255.255.0
- DEFAULT GATEWAY : 192.168.0.254

7.   LAN PROPERTY > IPv4 SETTING

⇒ Set parameters.

8.   UTILITY > EASY IP SETTING

> UNLIMITED ⇒ Close MENU.

※   If the camera does not have this menu, **CAM IP SEARCH** ⬀ in the HRP1010 does not detect the camera. Manual setups for **CAM IP**, **PORT, CONNECT MODE** are required.
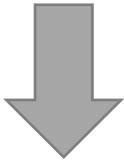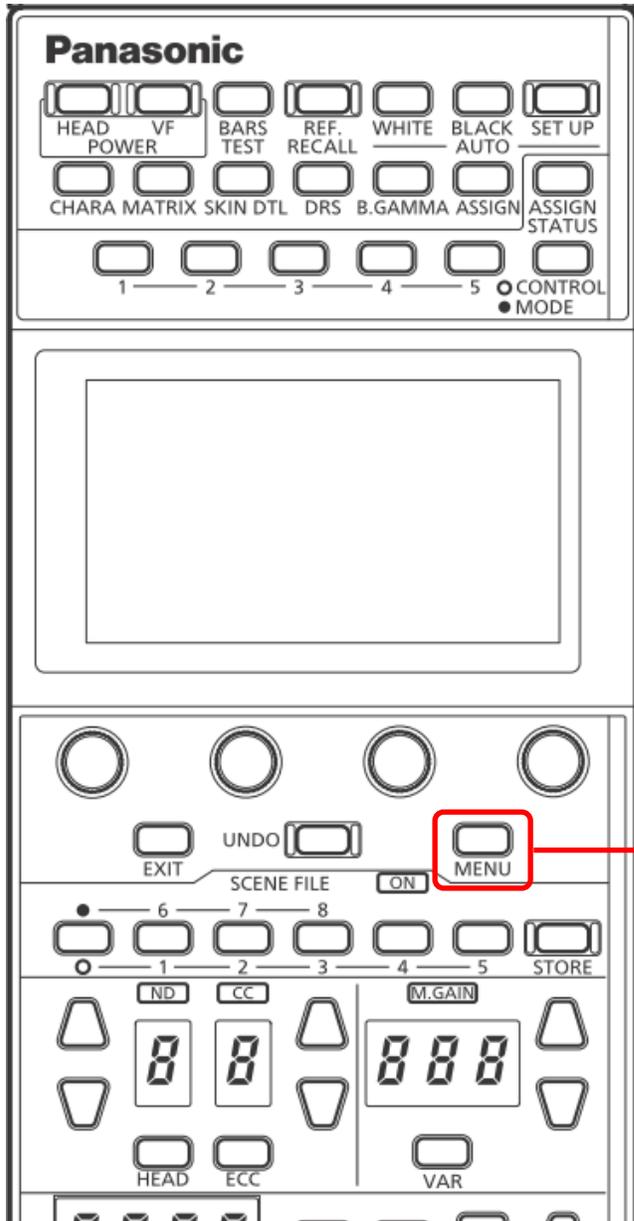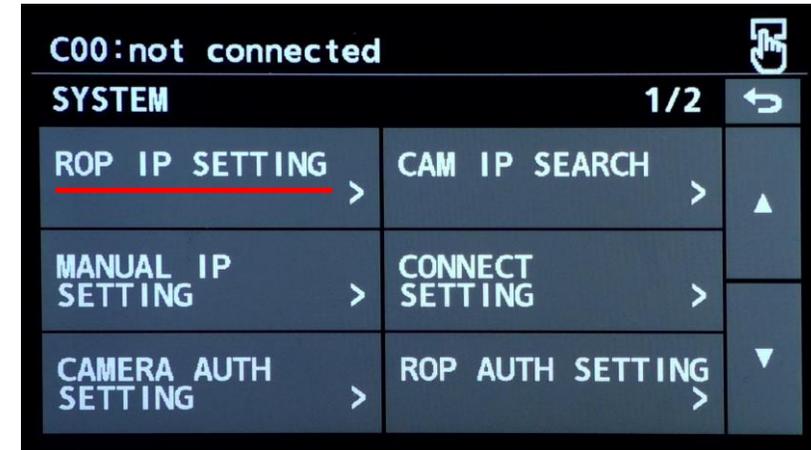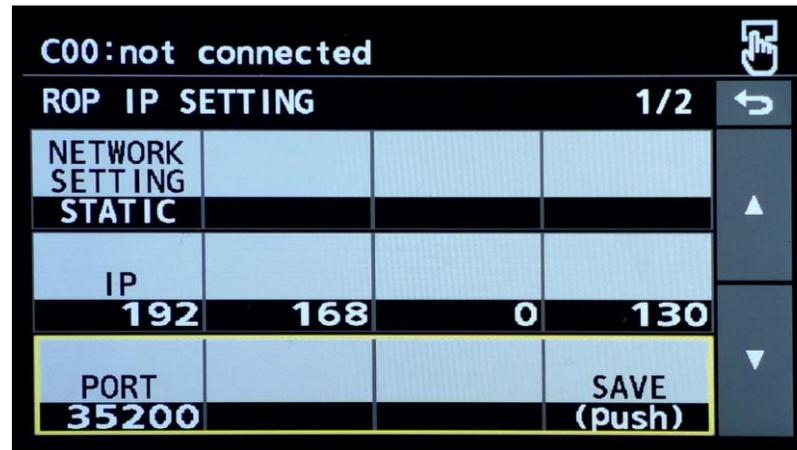
9.   The icon changes when the connection (CX350⇔Switch) has been established.

1. **MENU > [4] SYSTEM**

2. **ROP IP SETTING**

e.g.

- **NETWORK SETTING : STATIC**
- **IP : 192.168.0.130**
- **SUBNET : 255.255.255.0**
- **DEFAULT GATEWAY : 192.168.0.254**

※ **No need to change PORT (35200).**

3. **Set the IP address for the HRP1010.**

   ⇒ SAVE (Push) ⇒ OK ⇒ Reboot ROP.
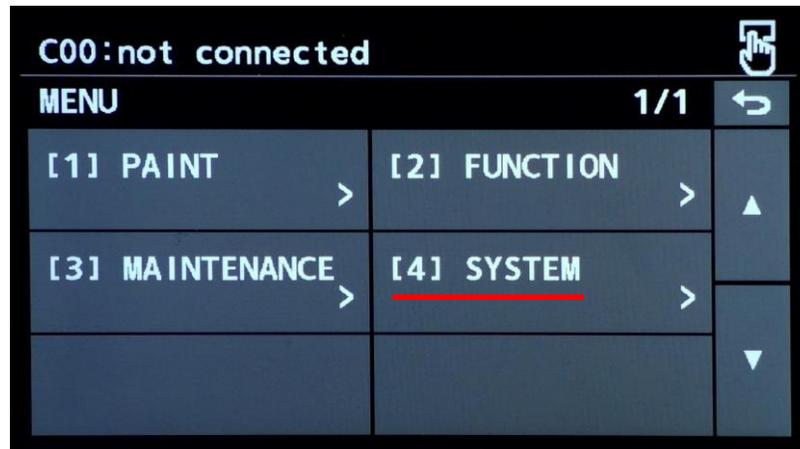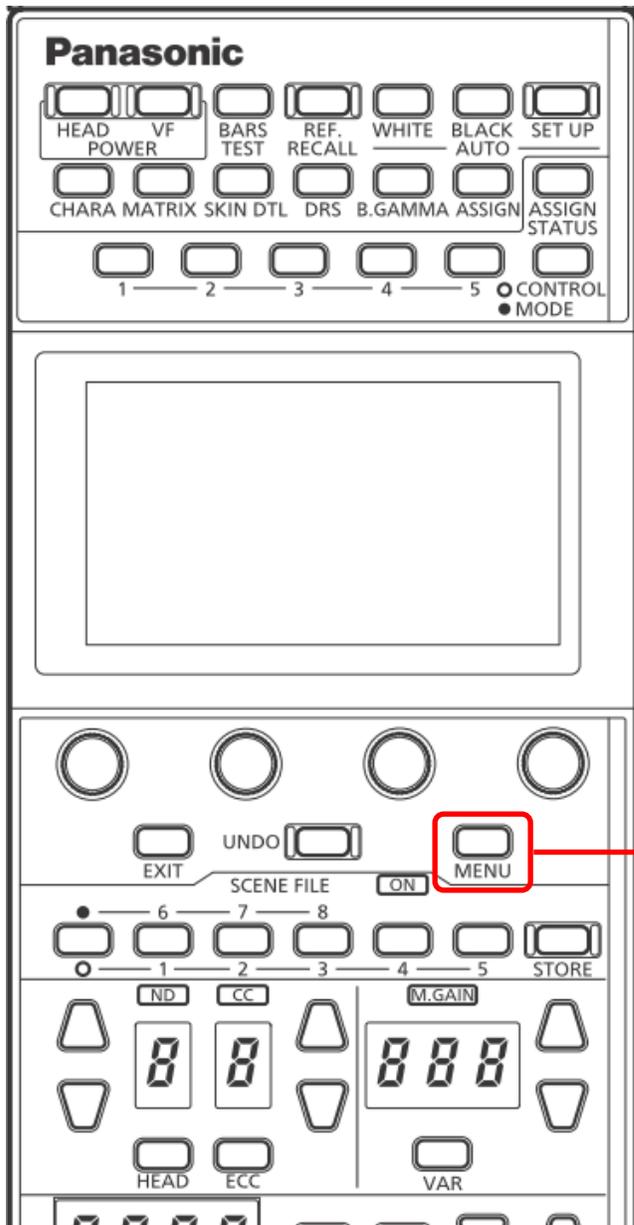
1. **MENU > [4] SYSTEM**
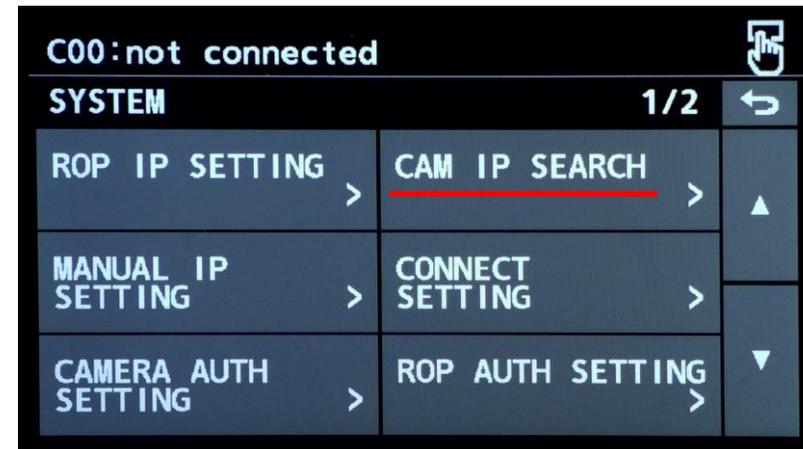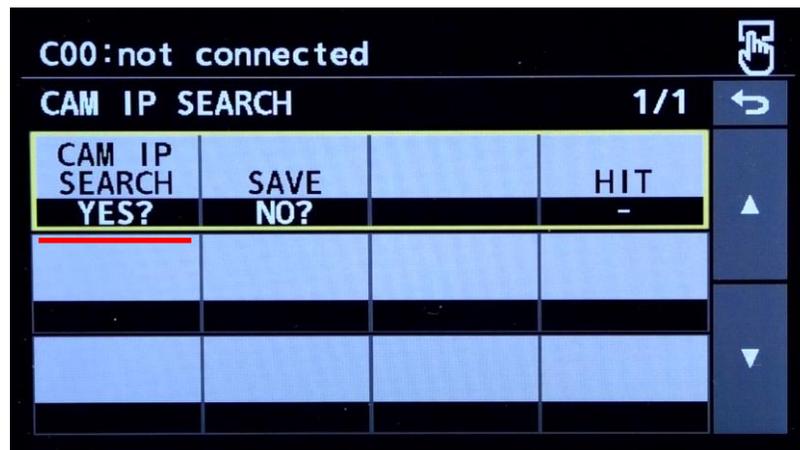
2. **CAM IP SEARCH**

3. **Set "YES?" for CAM IP SEARCH.**
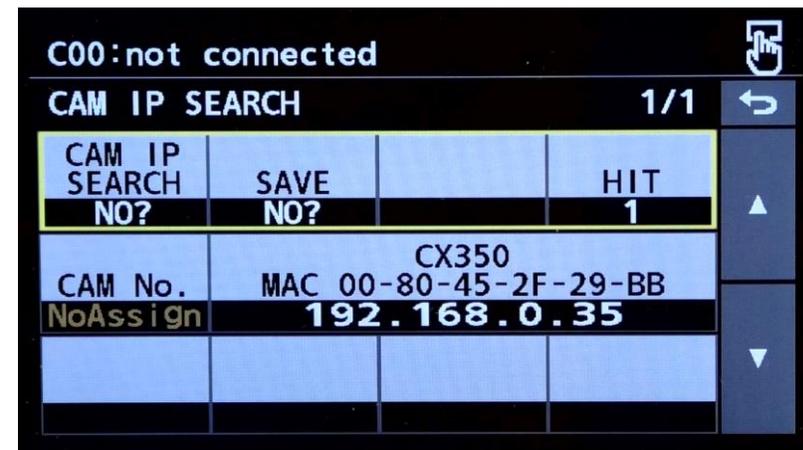
4. **The camera(s) in the same network as the HRP1010 shows up.**
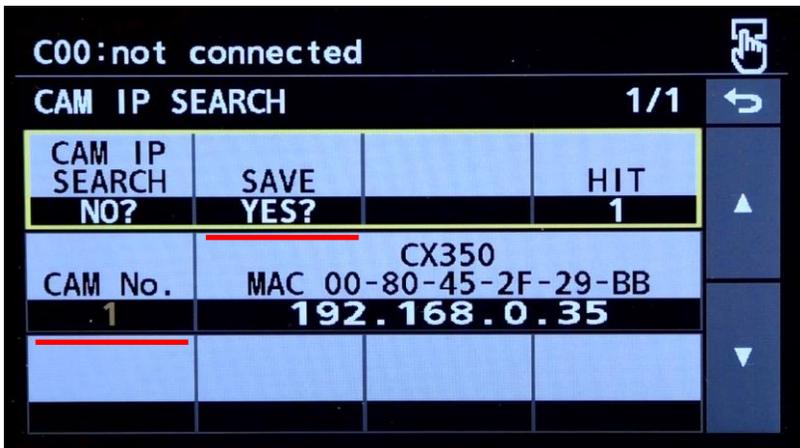
※ In this example, the CX350 has been assigned as CAM #1 in the HRP1010.

※ With the following step #7 – 9, you can confirm if the appropriate parameters have been assigned.

5. Set CAM No. (e.g. 1) and "YES?" for SAVE.

6. SAVE and HIT turn to "NO?" and " - ".
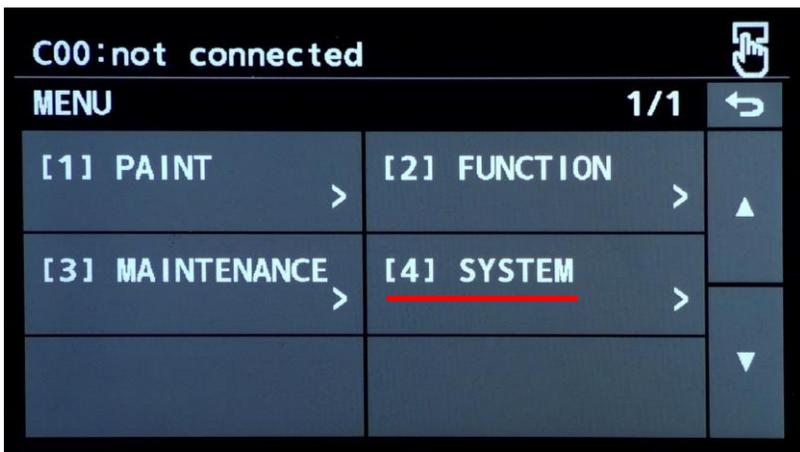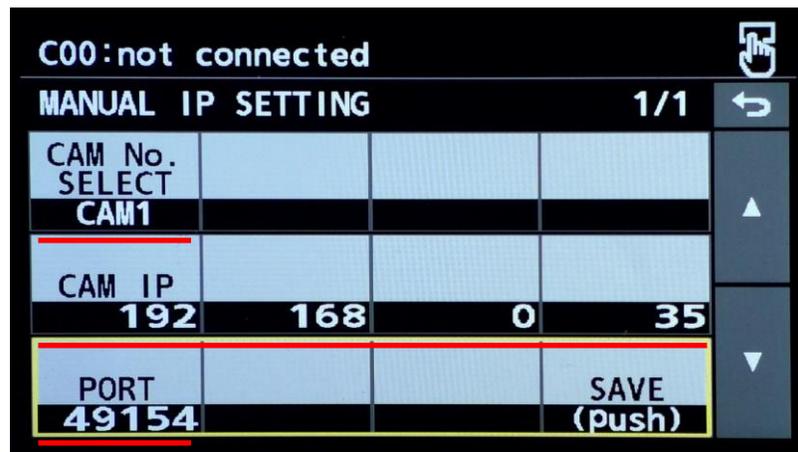
7. MENU > [4] SYSTEM

8. MANUAL IP SETTING:

The assigned CAM IP and PORT can be confirmed.
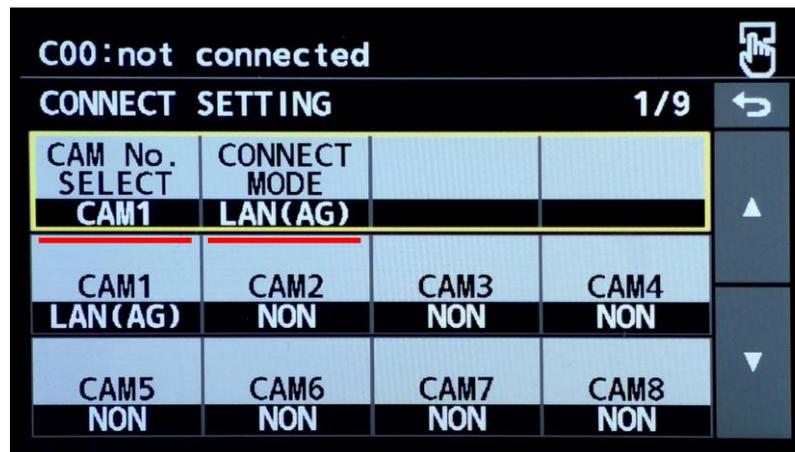
9. CONNECT SETTING:

The assigned CONNECT MODE can be confirmed.
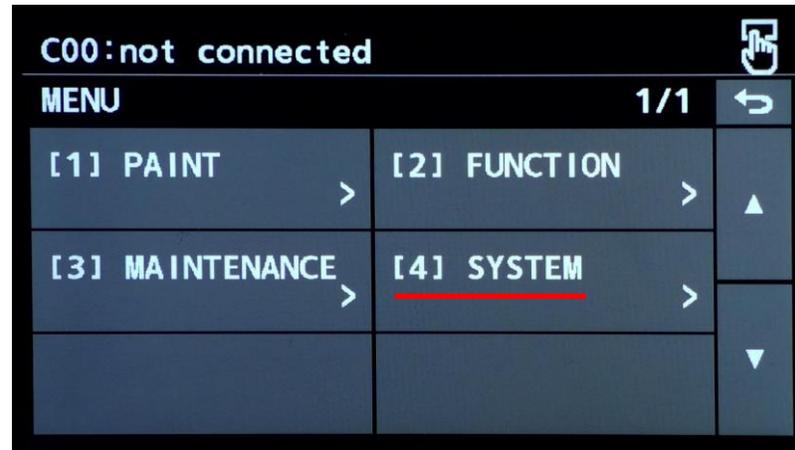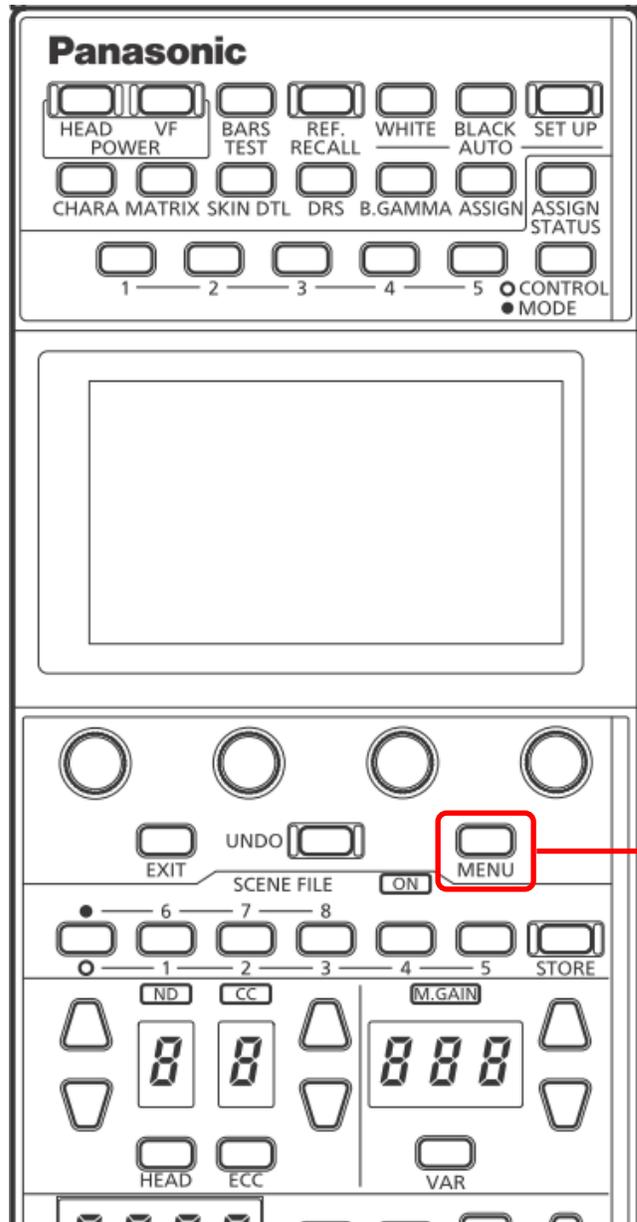
1. MENU > [4] SYSTEM
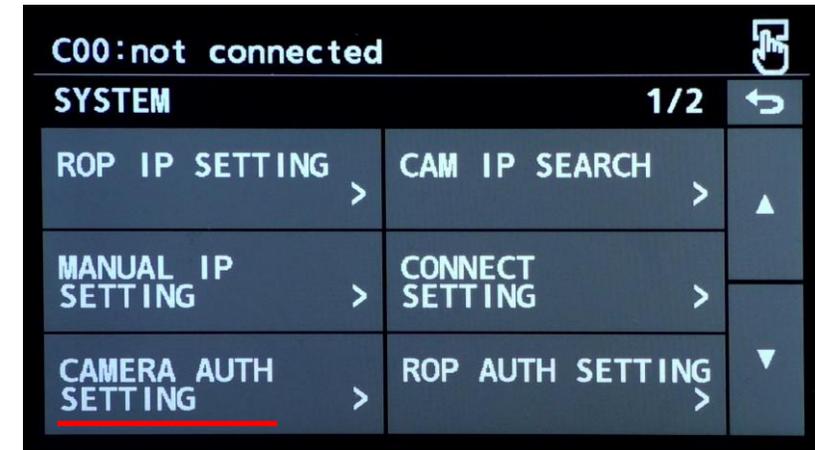
2. CAMERA AUTH SETTING

3. Set USER NAME & PASSWORD to be

the same as the camcorder's.

※   **USER NAME & PASSWORD are case- sensitive.**
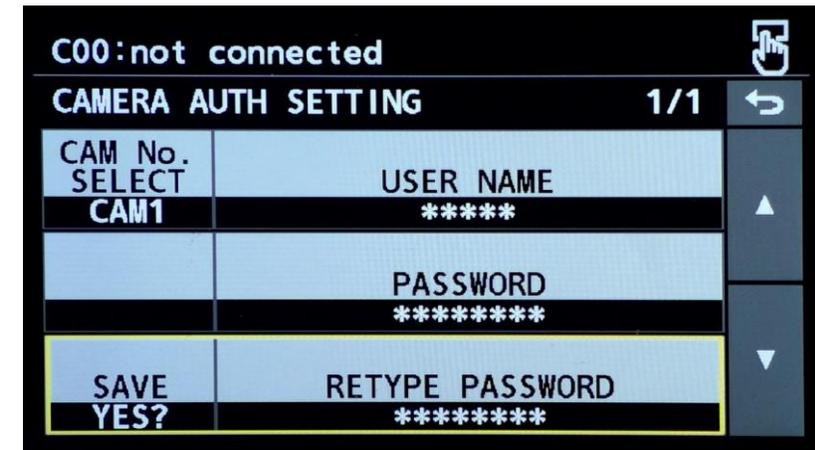
4. Set "YES?" for SAVE. ⇒ Yes

⇒ **The connection should be established!**

2. Setup with PTZ Camera (AW-UE160)

PoE switch (for AK-HRP1010)

LAN

LAN

AW-UE160

AK-HRP1010

PTZ Camera	CONNECT MODE	PORT
AW-UE160	LAN (AW7)	80
AW-UE150, HE145	LAN (AW4)	80
AW-UE100	LAN (AW5)	80
AW-UE80, UE50, UE40	LAN (AW6)	80
AW-UE4	LAN (AW8)	80
AW-UR100	LAN (AW9)	80
AW-HE130, HN130	LAN (AW2)	80
AW-UE70, UN70, AW-HE42, HE40, HN40, AW-HE38, HN38	LAN (AW3)	80
AW-HR140	LAN (AW2)	80

- In order for the HRP1010 to connect the PTZ camera, <u>CAMERA AUTH SETTING</u> is NOT required. <u>CAM IP</u>, <u>PORT</u>, and <u>CONNECT MODE</u> are the required parameters, and all of them are assigned automatically with <u>CAM IP SEARCH</u> function in the HRP1010.

AU-UE160
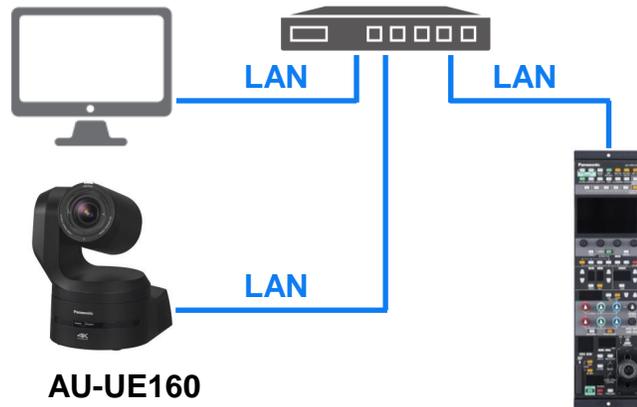
1. **Locate the UE160 and a PC in the same network as the HRP1010.**

e.g.

IPv4 network

- **DHCP** : **Off**
- **IP address(IPv4)** : **192.168.0.160**
- **Subnet mask** : **255.255.255.0**
- **Default gateway** : **192.168.0.254**
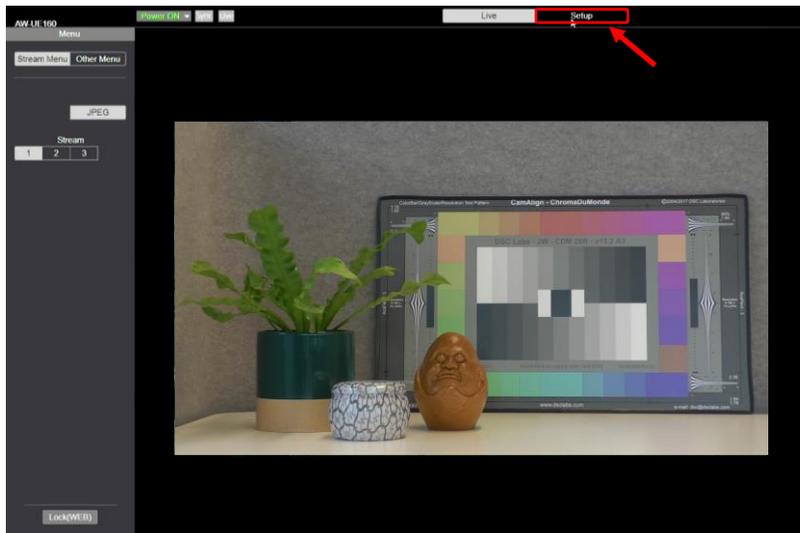
2. **Open the camera Web-GUI and select "Setup".**
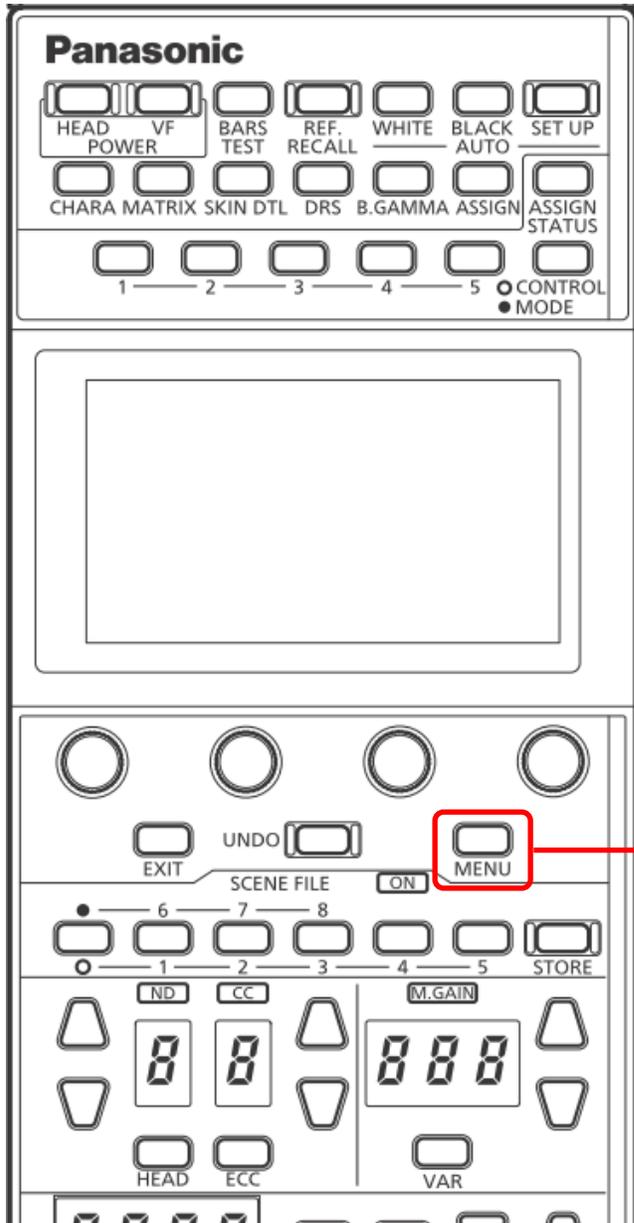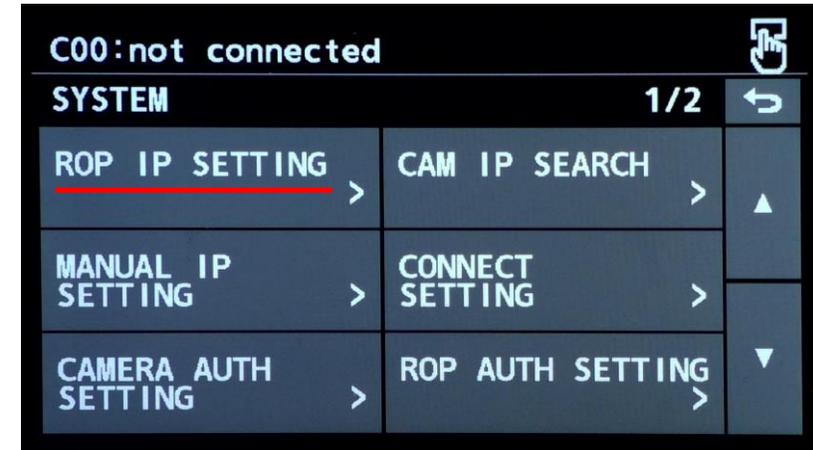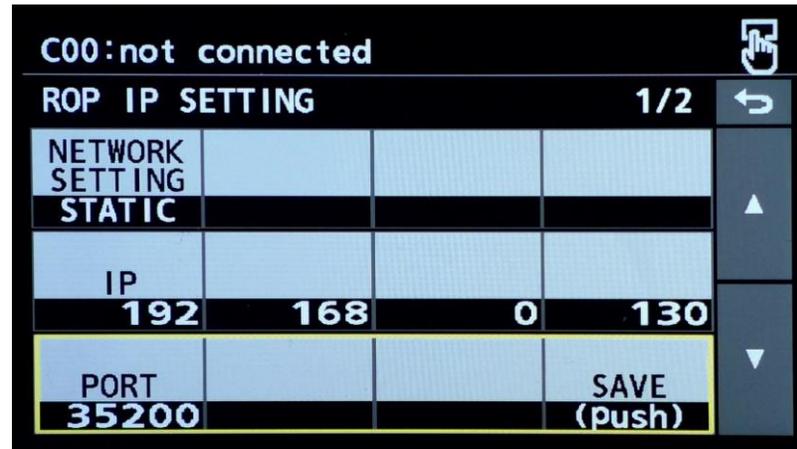
3. **"Network" > "LAN" ⇒ Set parameters. ⇒ "Set"**

1. MENU > [4] SYSTEM

2. ROP IP SETTING

3. Set the IP address for the HRP1010.

   ⇒ SAVE (Push) ⇒ OK ⇒ Reboot ROP.

e.g.

- NETWORK SETTING   : STATIC
- IP   : 192.168.0.130
- SUBNET   : 255.255.255.0
- DEFAULT GATEWAY   : 192.168.0.254

※ No need to change PORT (35200).

1. MENU > [4] SYSTEM

2. CAM IP SEARCH

3. Set "YES?" for CAM IP SEARCH.

4. The camera(s) in the same network as the HRP1010 shows up.

※ In this example, the UE160 has been assigned as CAM #1 in the HRP1010.

※ With the following step #7 – 9, you can confirm if the appropriate parameters have been assigned.
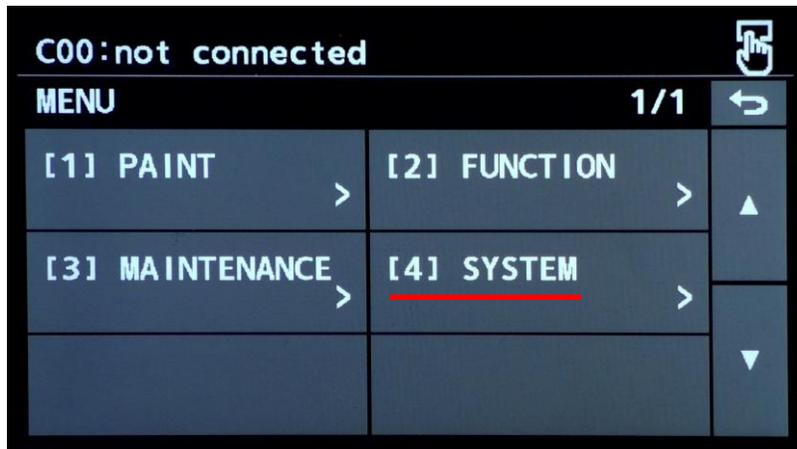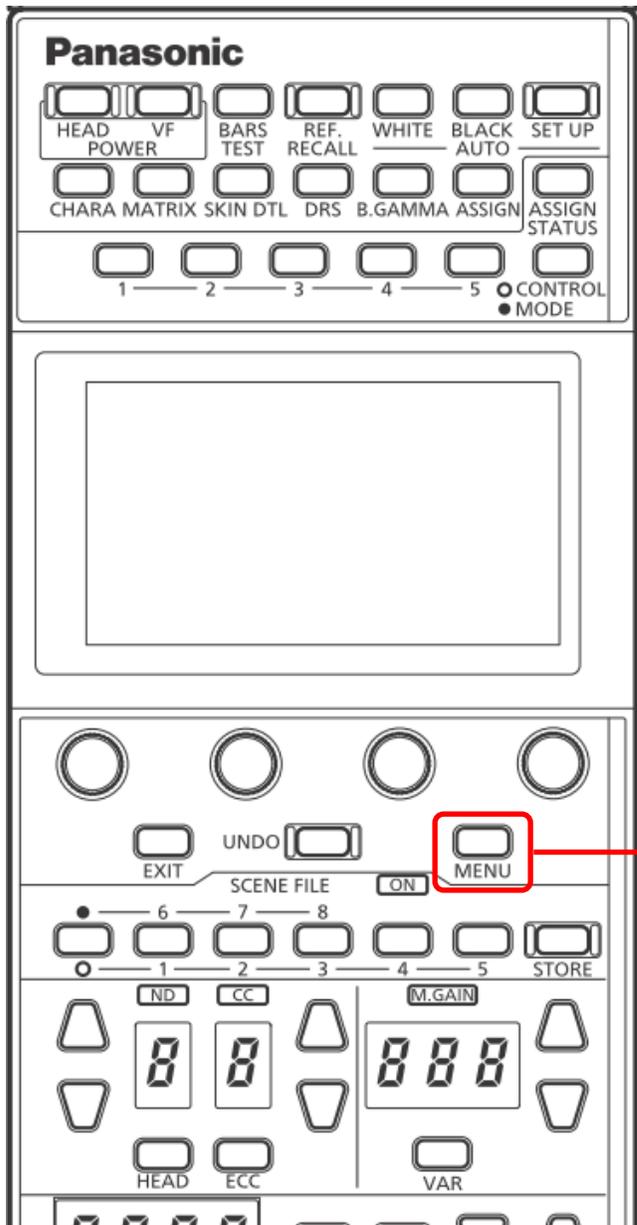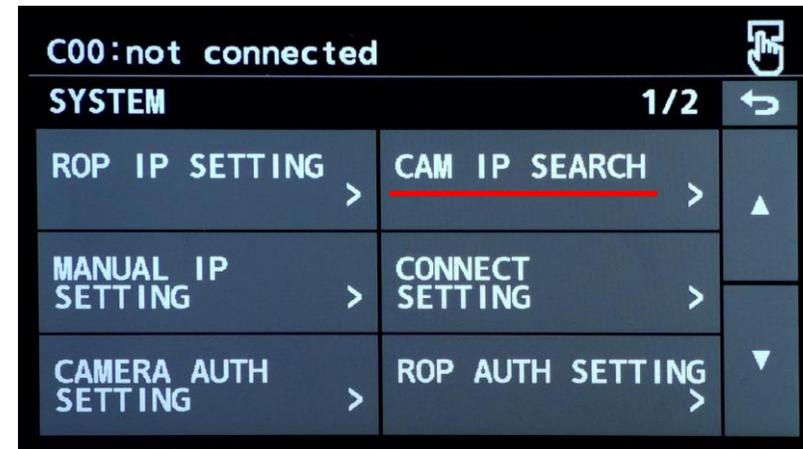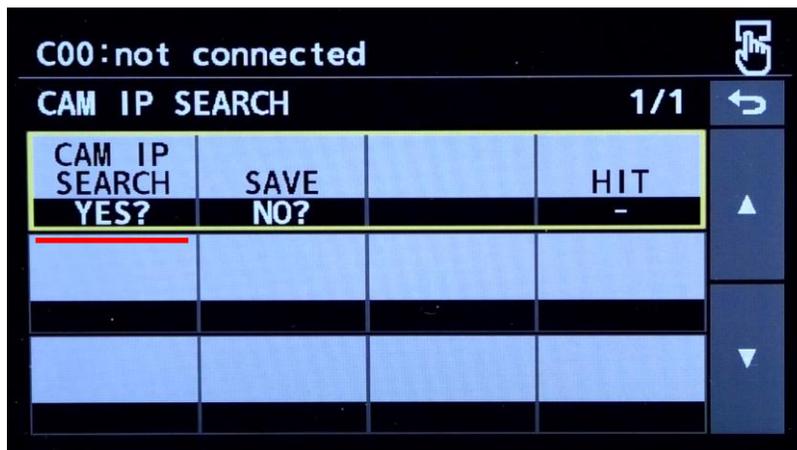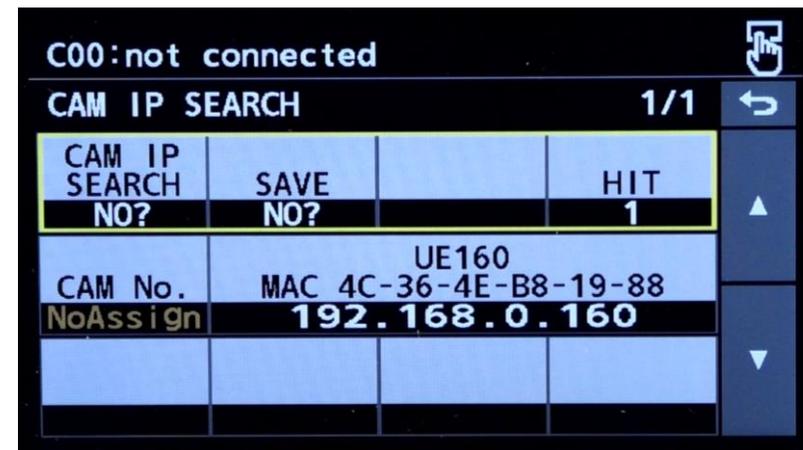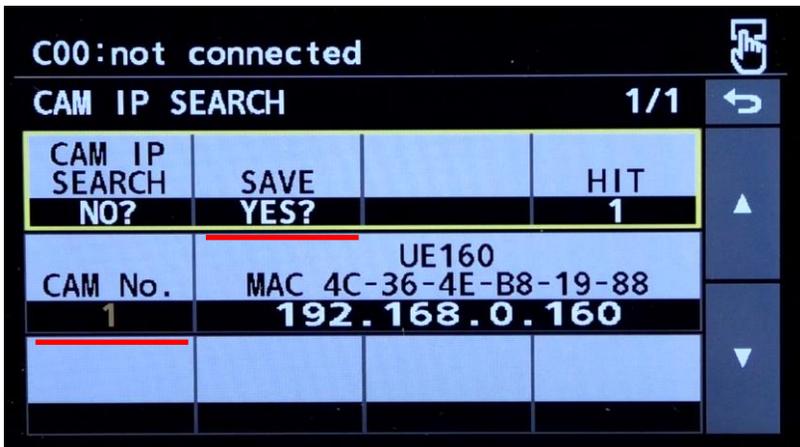
5. Set CAM No. (e.g. 1) and "YES?" for SAVE.

6. SAVE and HIT turn to "NO?" and " - ".

    ⇒ **The connection should be established!**

7. MENU > [4] SYSTEM

8. MANUAL IP SETTING:

    The assigned CAM IP and PORT can be confirmed.

9. CONNECT SETTING:

    The assigned CONNECT MODE can be confirmed.

PoE switch
(for AK-HRP1010)

LAN

LAN

AK-PLV100

AK-HRP1010
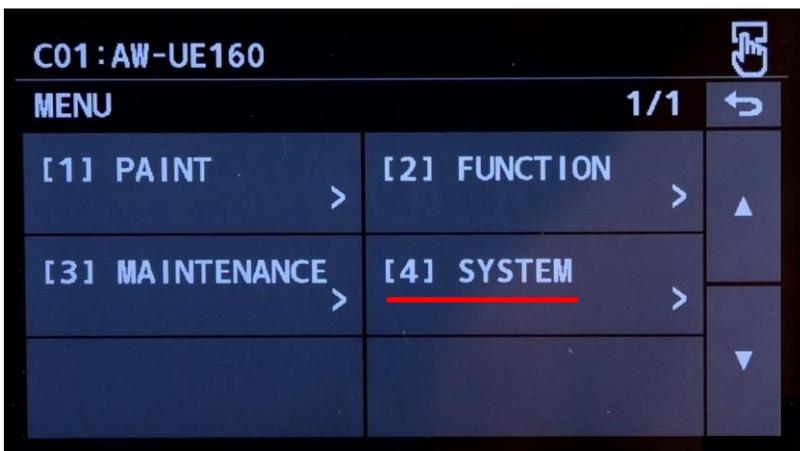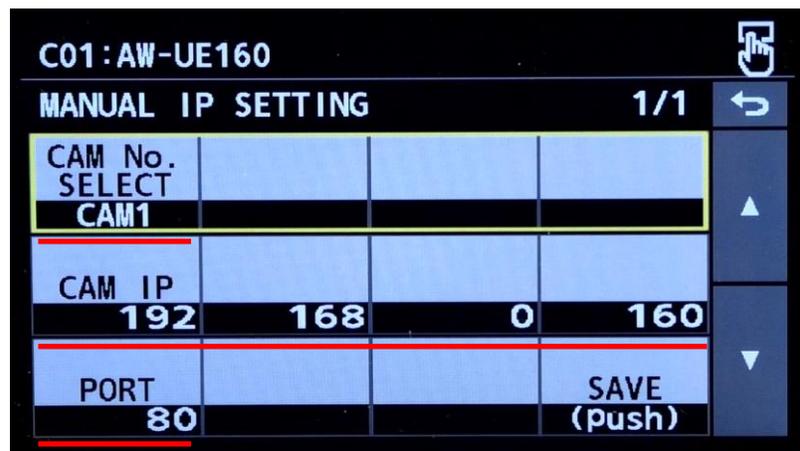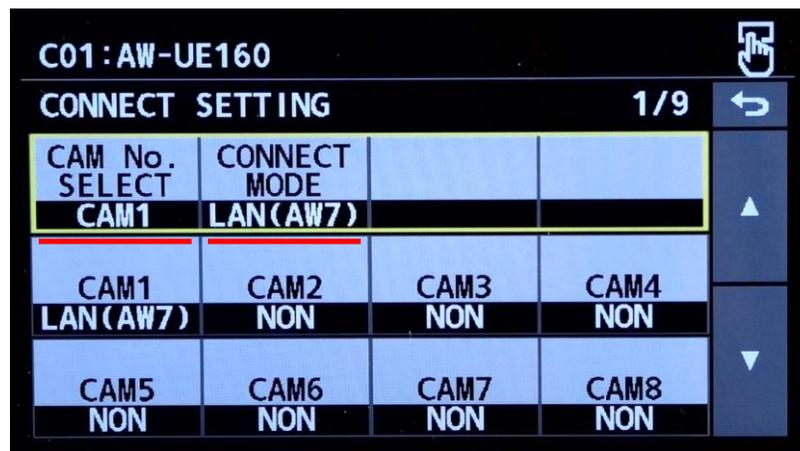
Studio Camera	CONNECT MODE	PORT
AK-UC4000	LAN	49152
AK-UC3300	LAN	49152
AK-PLV100	LAN	49152
AK-HC3900	LAN	49152
AK-HC5000	LAN	49152
AK-UC3000	LAN	49152
AK-UB300	LAN (AW)	80

o In order for the HRP1010 to connect the studio camera, CAM IP, PORT, and CONNECT MODE are always the required parameters. As for CAMERA AUTH SETTING, the requirement varies depending on the models. In the chart on the top, the PLV100 and HC3900 require CAMERA AUTH SETTING. Other models do not require it with the default settings.

o CAM IP SEARCH function in the HRP1010 does assign appropriate CAM IP, PORT, and CONNECT MODE except for the PLV100 and HC3900. For these models, the function assigns 80 instead of 49152 for PORT. This needs to be corrected manually.

3-1. Camera Setup – Studio Camera w/o CCU (AK-PLV100)
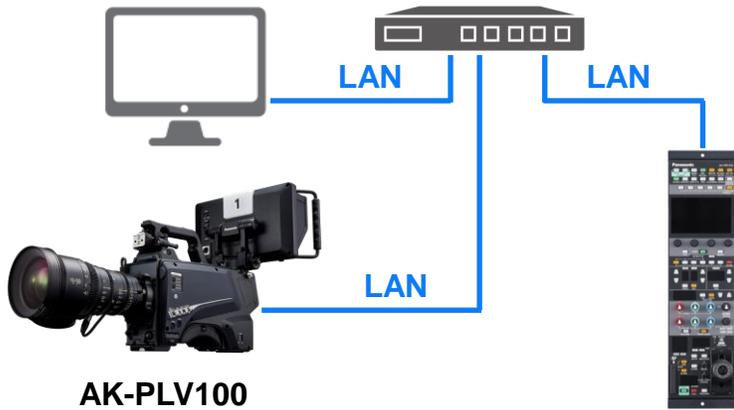
AK-PLV100

1. **Locate the PLV100 and a PC in the same network as the HRP1010.**
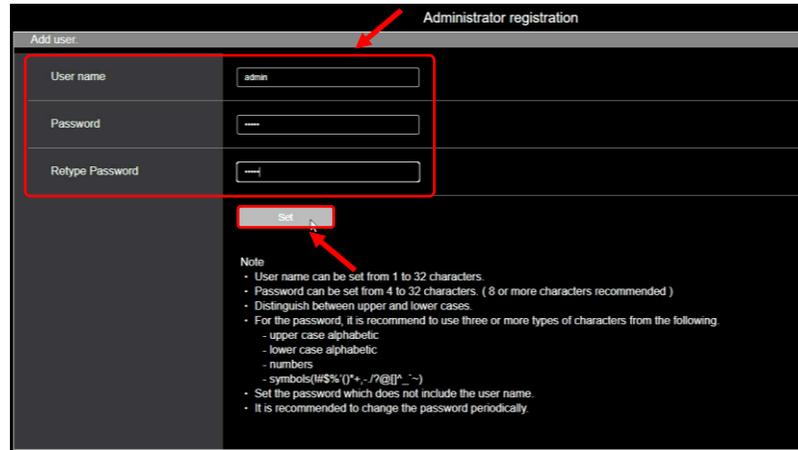
2. **Open the Web-GUI (**Default IP 192.168.0.30**)**
   ⇒ Execute Administrator registration.

e.g.

- **User name   : PLV100**

- **Password   : 12345678**
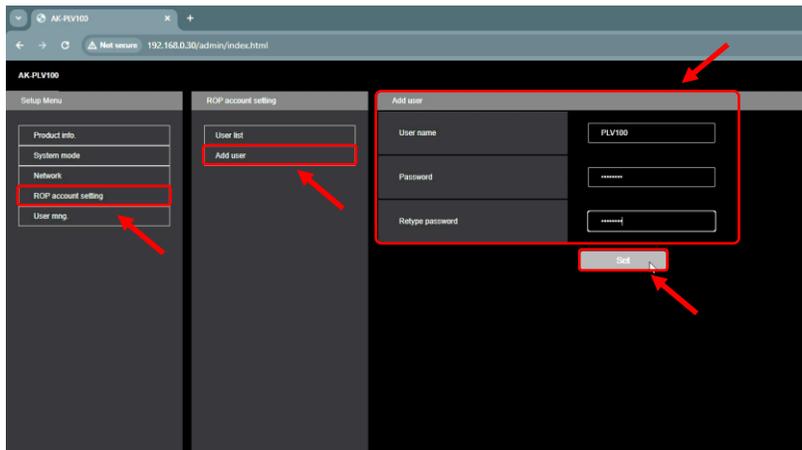
- **Retype password   : 12345678**

3. **"ROP account setting" > "Add user"**
   ⇒ Set "User name" & "Password".
   ⇒ "Set"
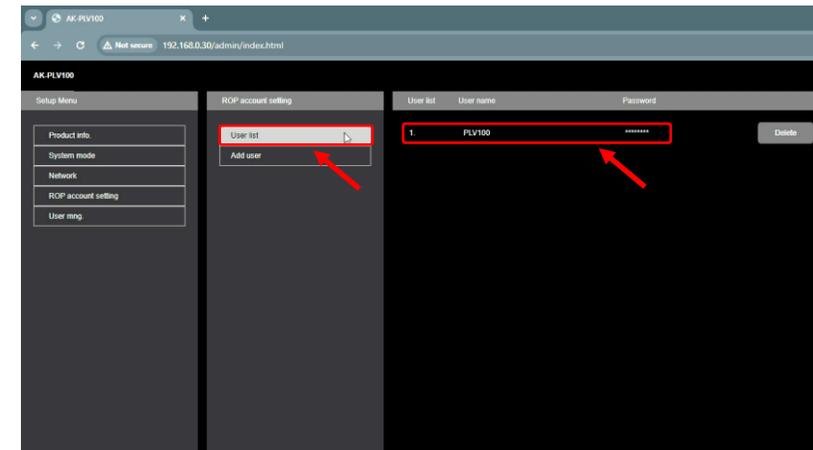
4. **"User list"**
   ⇒ Confirm User name & Password have been assigned.

3-1. Camera Setup – Studio Camera w/o CCU (AK-PLV100)
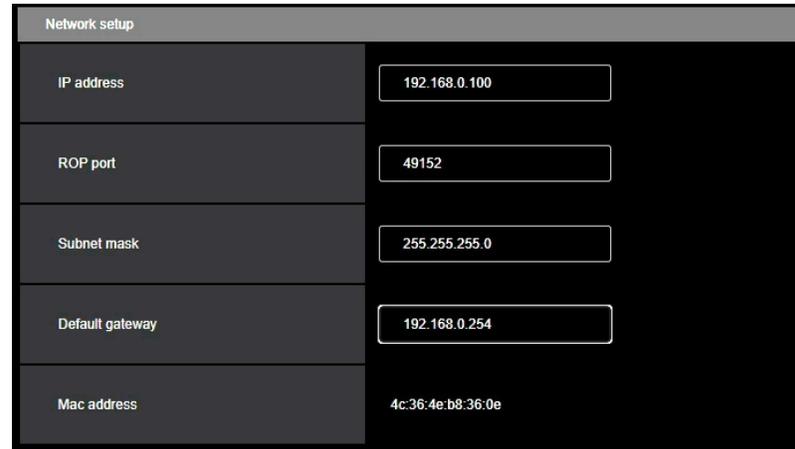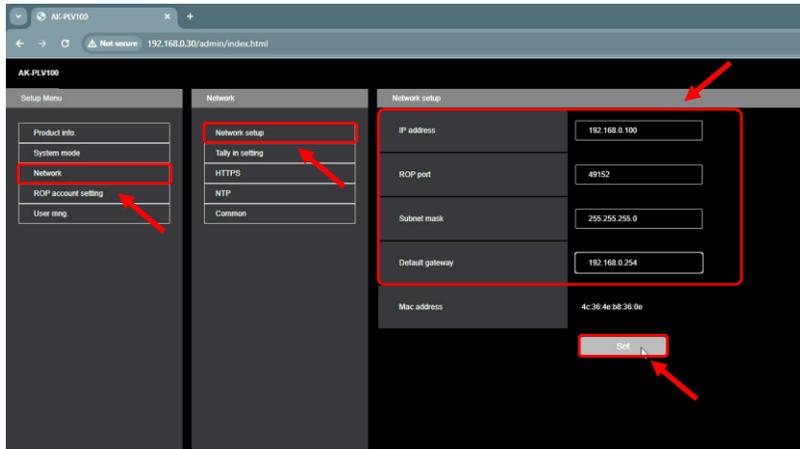
e.g.

- **IP address**   **: 192.168.0.100**

- **Subnet mask**   **: 255.255.255.0**

- **Default gateway**   **: 192.168.0.254**

※   **No need to change ROP port (49152).**

5. **"Network" > "Network setup"**

     ⇒ Set parameters.

     ⇒ "Set"

3-2a. HRP1010 IP Address Setup
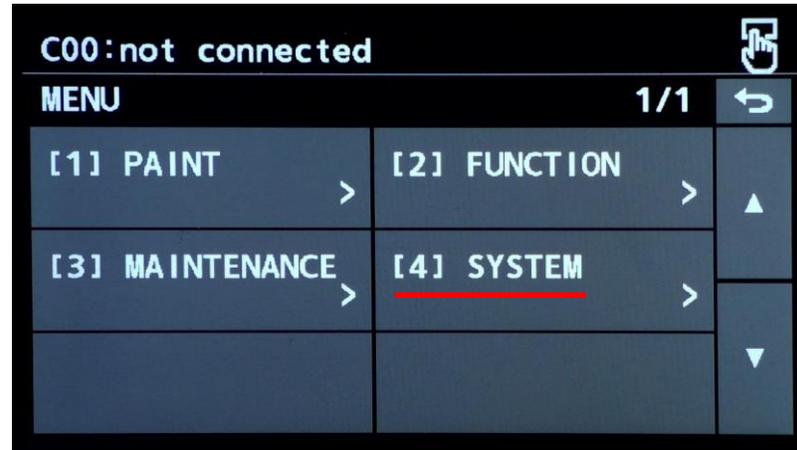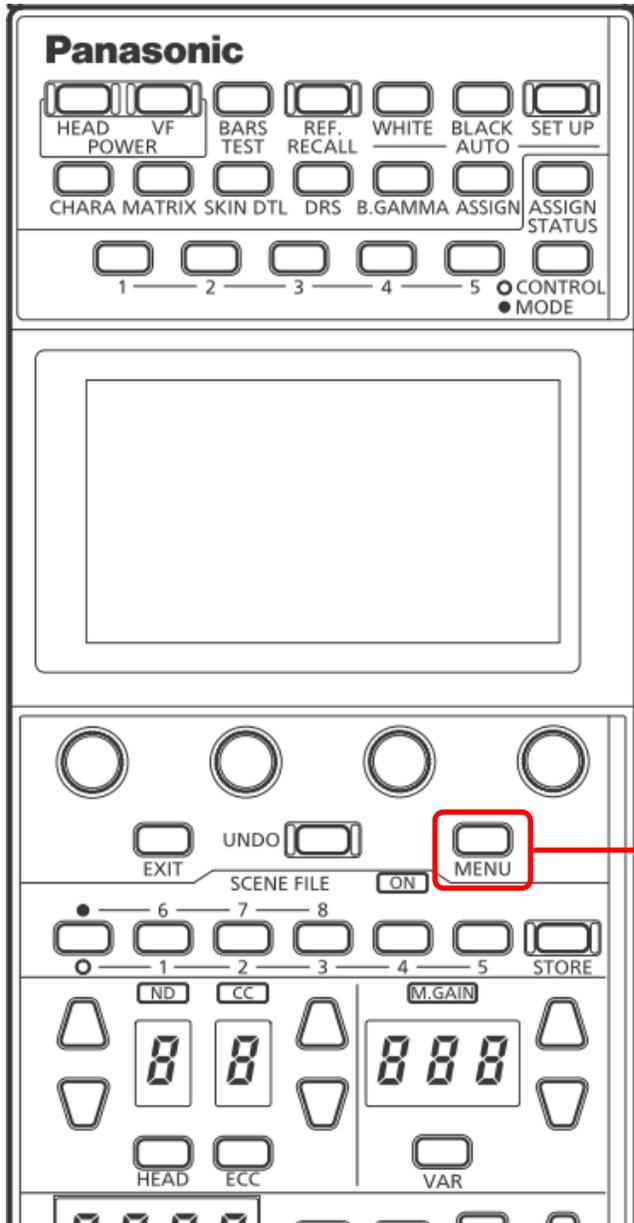
1. **MENU > [4] SYSTEM**

2. **ROP IP SETTING**
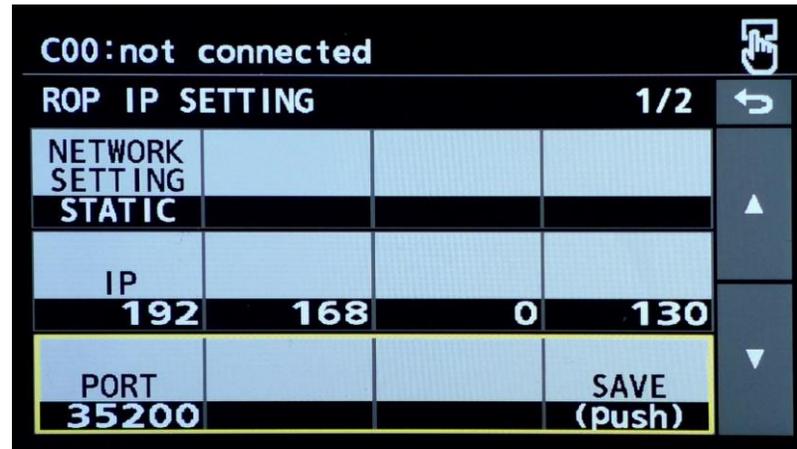
3. **Set the IP address for the HRP1010.**

   ⇒ SAVE (Push) ⇒ OK ⇒ Reboot ROP.

e.g.

- **NETWORK SETTING   : STATIC**
- **IP   : 192.168.0.130**
- **SUBNET   : 255.255.255.0**
- **DEFAULT GATEWAY   : 192.168.0.254**

※   **No need to change PORT (35200).**

1. **MENU > [4] SYSTEM**

2. **CAM IP SEARCH**

3. **Set "YES?" for CAM IP SEARCH.**

4. **The camera(s) in the same network as the HRP1010 shows up.**

```
C00:not connected
CAM IP SEARCH                    1/1
┌────────┬────────┬────────┬────────┐
│CAM IP  │        │        │        │
│SEARCH  │SAVE    │        │HIT     │
│NO?     │YES?    │        │1       │
├────────┴────────┴────────┴────────┤
│            PLV100                  │
│CAM No. MAC 4C-36-4E-B8-36-0E       │
│  1        192.168.0.100            │
├───────────────────────────────────┤
│                                    │
└───────────────────────────────────┘
```

5. Set CAM No. (e.g. 1) and "YES?" for SAVE.


```
C00:not connected
CAM IP SEARCH                    1/1
┌────────┬────────┬────────┬────────┐
│CAM IP  │        │        │        │
│SEARCH  │SAVE    │        │HIT     │
│NO?     │NO?     │        │-       │
├────────┴────────┴────────┴────────┤
│            PLV100                  │
│CAM No. MAC 4C-36-4E-B8-36-0E       │
│  1        192.168.0.100            │
├───────────────────────────────────┤
│                                    │
└───────────────────────────────────┘
```
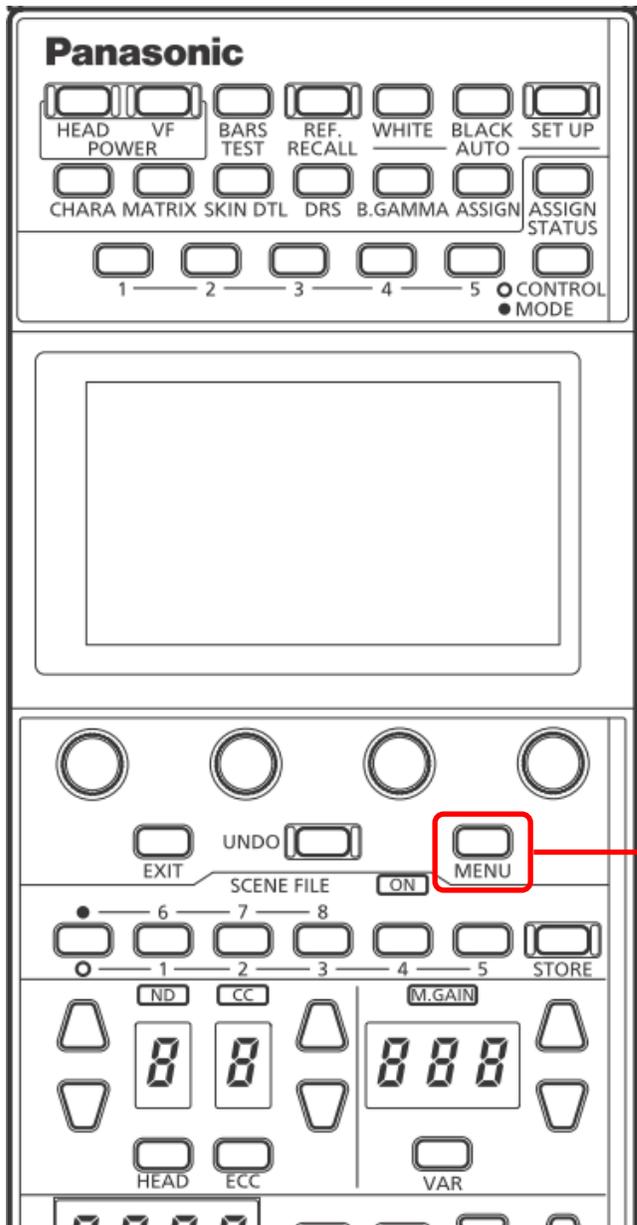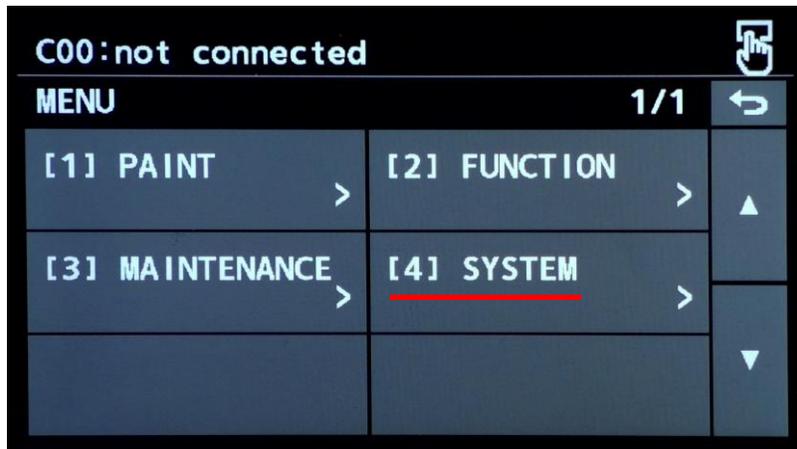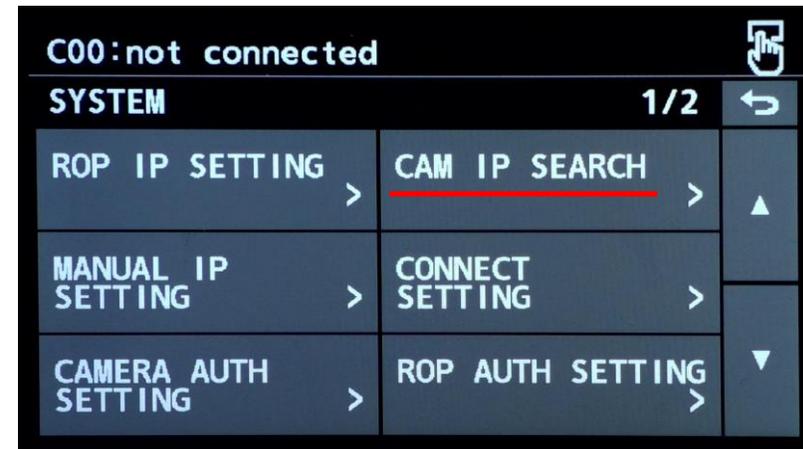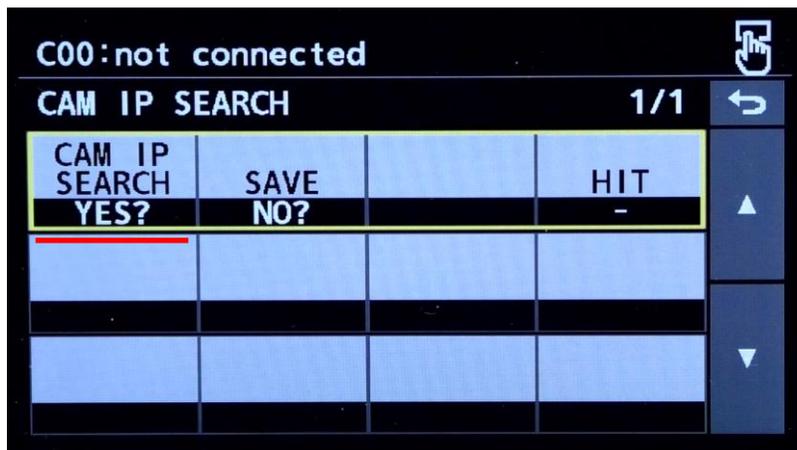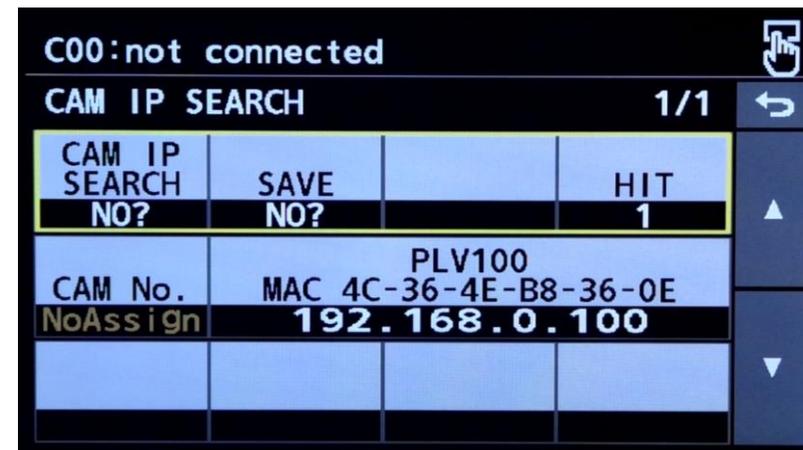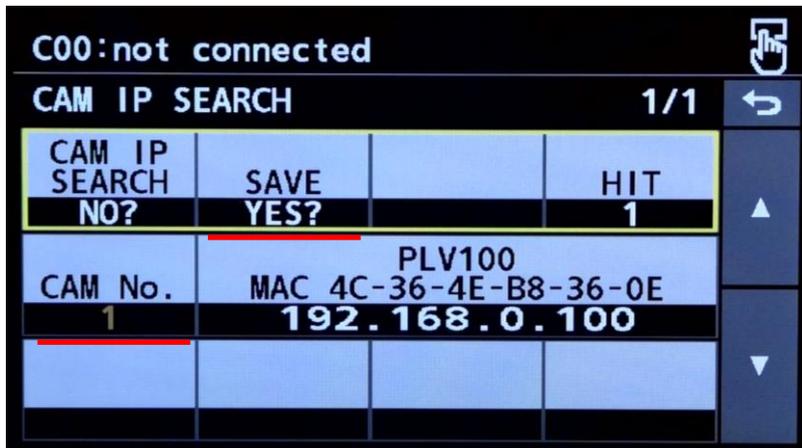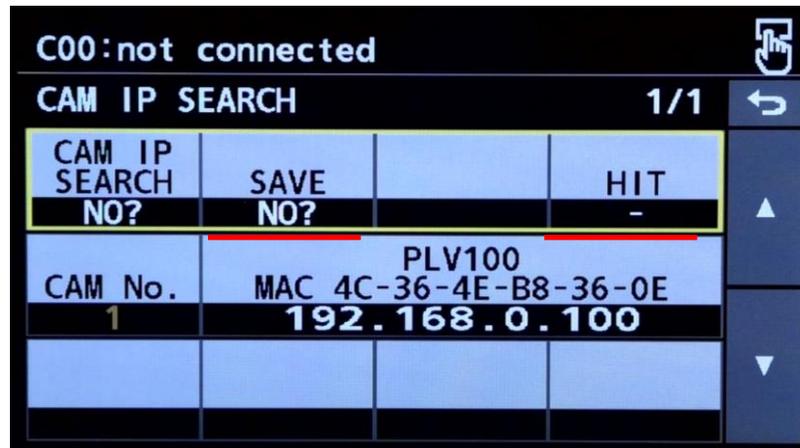
6. SAVE and HIT turn to "NO?" and " - ".

※ In this example, the PLV100 has been assigned as CAM #1 in the HRP1010.


```
C00:not connected
MENU                             1/1
┌────────────────┬────────────────┐
│[1] PAINT       │[2] FUNCTION     │
│              > │              >  │
├────────────────┼────────────────┤
│[3] MAINTENANCE │[4] SYSTEM       │
│              > │              >  │
├────────────────┴────────────────┤
│                                  │
└──────────────────────────────────┘
```

7. MENU > [4] SYSTEM


```
C00:not connected
MANUAL IP SETTING                1/1
┌────────────────────────────────────┐
│CAM No.                             │
│SELECT                             │
│CAM1                               │
├────────────────────────────────────┤
│CAM IP                             │
│ 192    168    0    100            │
├────────────┬───────────────────────┤
│PORT        │             SAVE      │
│80          │             (push)    │
└────────────┴───────────────────────┘
```
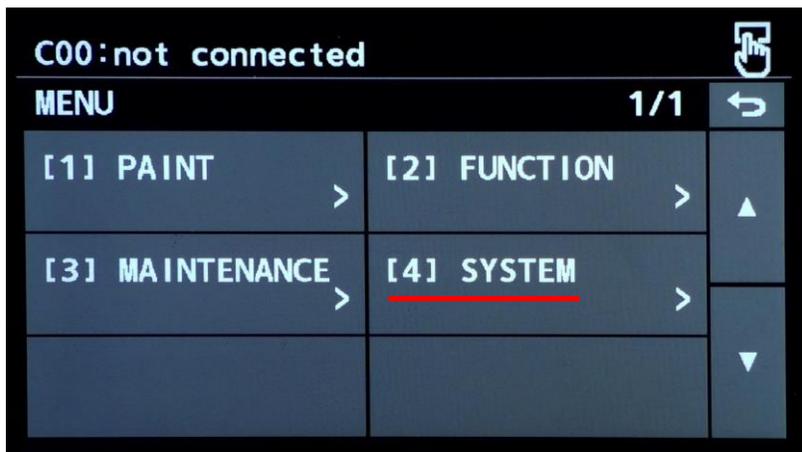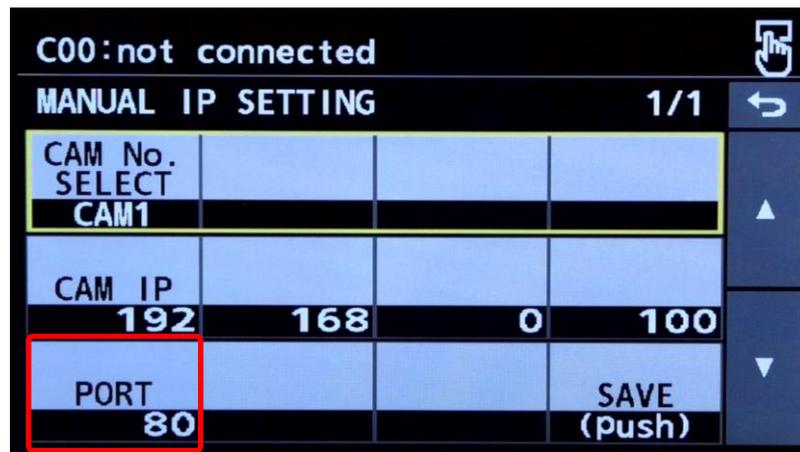
8. MANUAL IP SETTING:

If the assigned port is not appropriate, please change it. ⇒ SAVE (Push) ⇒ OK


```
C00:not connected
MANUAL IP SETTING                1/1
┌────────────────────────────────────┐
│CAM No.                             │
│SELECT                             │
│CAM1                               │
├────────────────────────────────────┤
│CAM IP                             │
│ 192    168    0    100            │
├────────────┬───────────────────────┤
│PORT        │             SAVE      │
│49152       │             (push)    │
└────────────┴───────────────────────┘
```
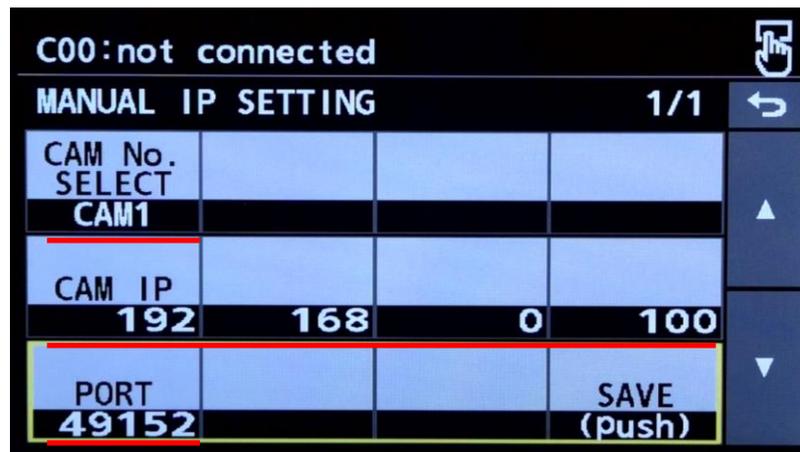
9. Confirm both CAM IP and PORT are appropriate.

```
C00:not connected                    👆
CONNECT SETTING              1/9     ↩

CAM No.    CONNECT
SELECT     MODE
  CAM1       LAN                        ▲


CAM1       CAM2       CAM3      CAM4
LAN        NON        NON       NON

                                        ▼

CAM5       CAM6       CAM7      CAM8
NON        NON        NON       NON
```

10. **CONNECT SETTING:**

    The assigned CONNECT MODE can

    be confirmed.
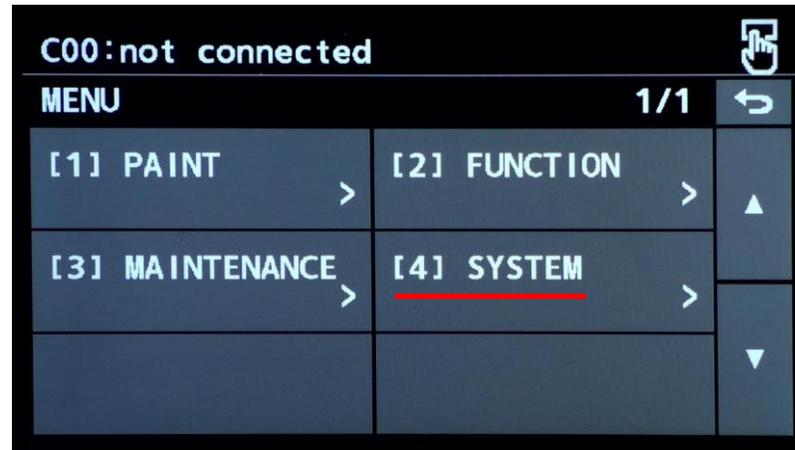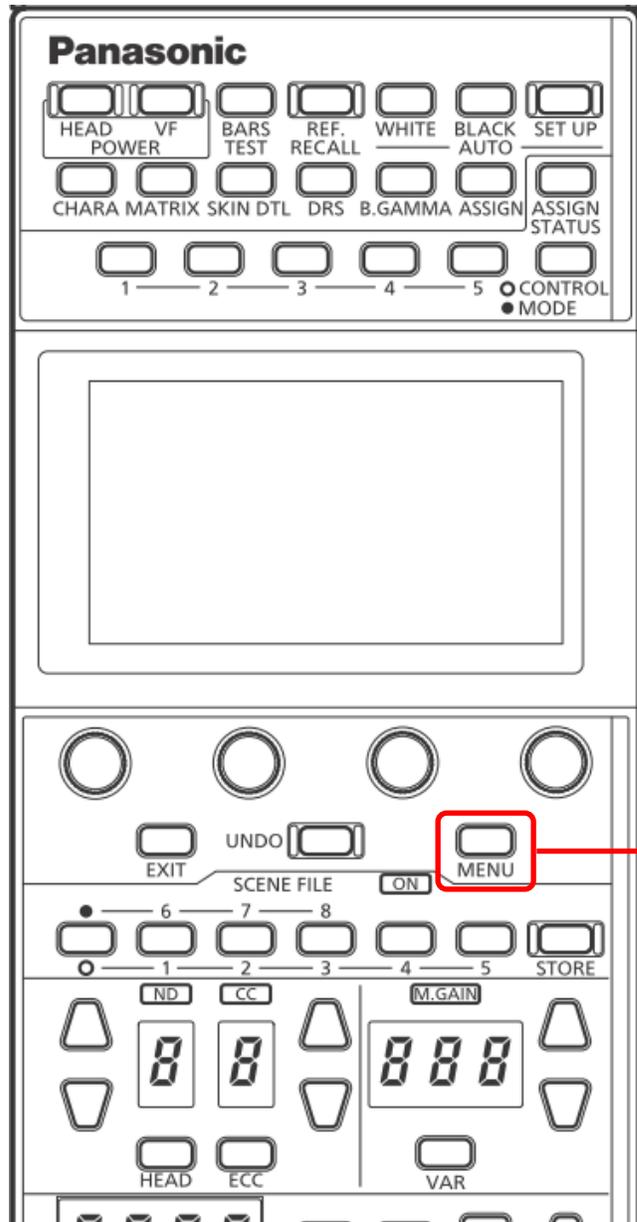
1. MENU > [4] SYSTEM
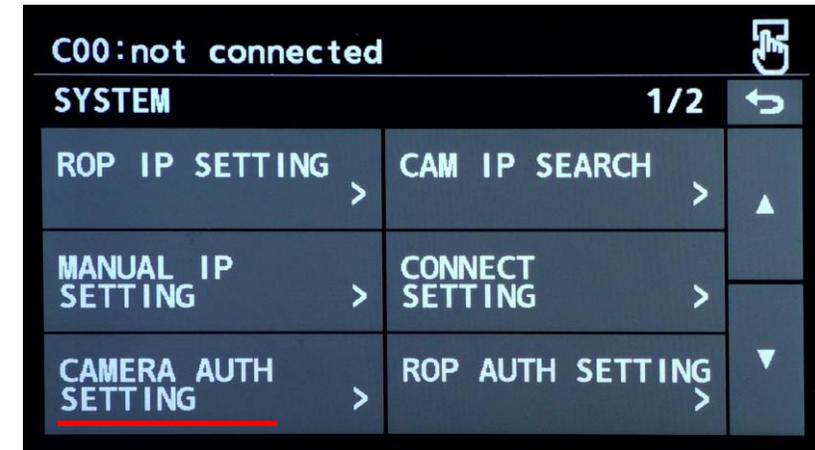
2. CAMERA AUTH SETTING

3. Set USER NAME & PASSWORD to be the same as the studio camera's.

※ USER NAME & PASSWORD are case- sensitive.
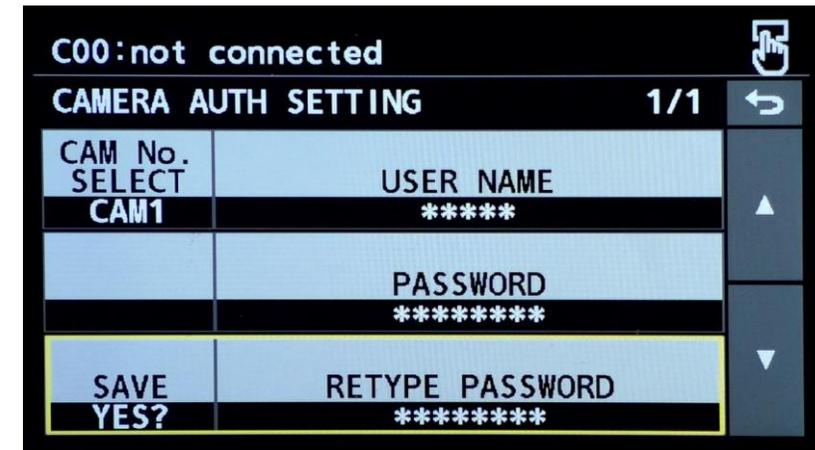
4. Set "YES?" for SAVE. ⇒ Yes

⇒ **The connection should be established!**

4. Setup with Studio Camera w/ CCU (AK-UCU710)

**PoE switch
(for AK-HRP1010)**

LAN

LAN

AK-UCU710

**SMPTE
Cable**
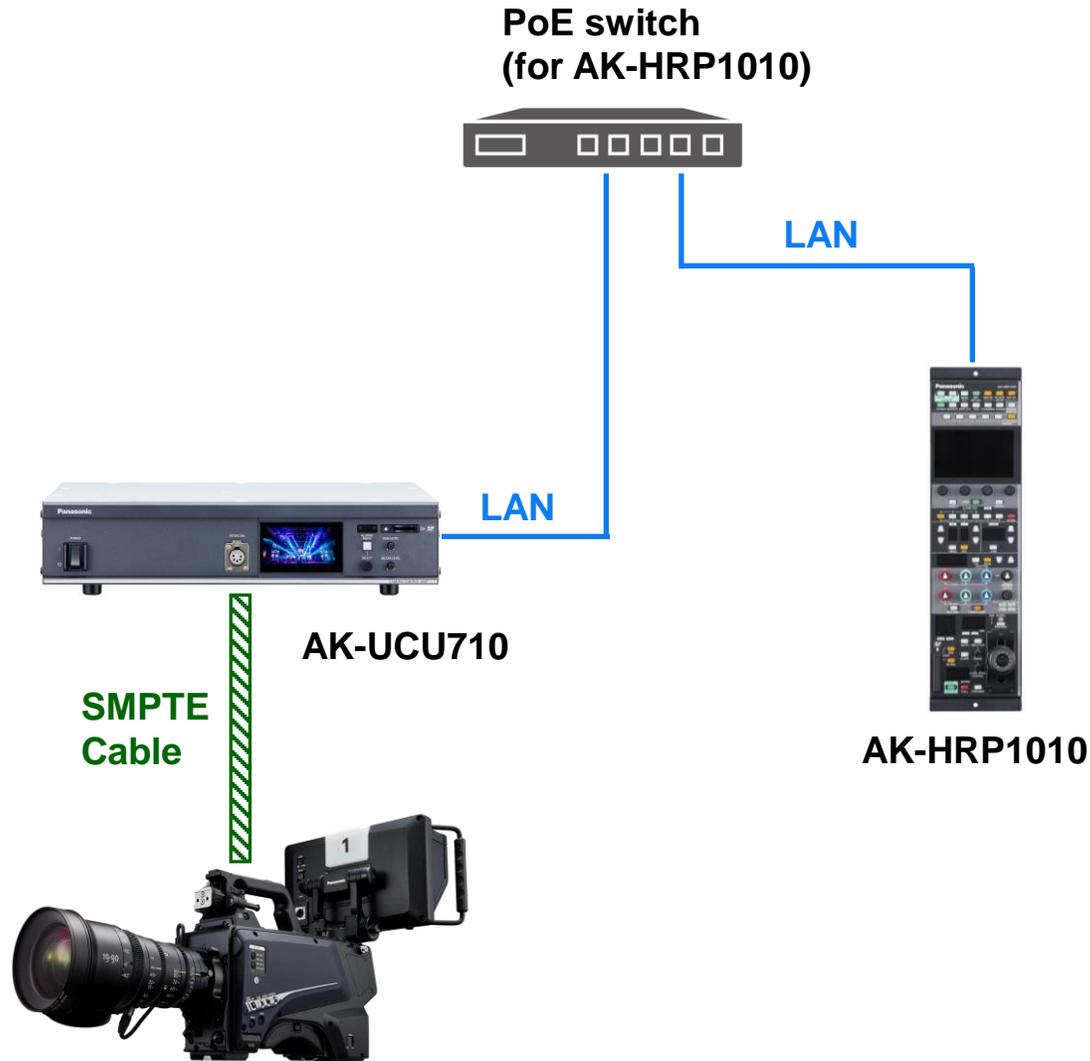
AK-HRP1010

Studio Camera	CONNECT MODE	PORT
AK-UCU700, UCU710	LAN	49152
AK-UCU600	LAN	49152
AK-UCU500	LAN	49152
AK-HCU250	LAN	49152

○ **In order for the HRP1010 to connect the CCU (Camera Control Unit), CAM IP, PORT, and CONNECT MODE are always the required parameters. As for CAMERA AUTH SETTING, the requirement varies depending on the models. In the chart on the top, the UCU700/UCU710, and HCU250 require CAMERA AUTH SETTING. Other models do not require it with the default settings.**

○ **CAM IP SEARCH function in the HRP1010 does assign appropriate CAM IP, PORT, and CONNECT MODE except for the HUC250. For the HUC250, the function assigns 80 instead of 49152 for PORT. This needs to be corrected manually.**

4-1. Camera Setup – Studio Camera w/ CCU (AK-UCU710)

SMPTE Cable

AK-UCU710

LAN

LAN

LAN

Administrator registration

Add user.

User name	admin
Password	••••••
Retype Password	•••••

Set

Note
- User name can be set from 1 to 32 characters.
- Password can be set from 4 to 32 characters. (8 or more characters recommended)
- Distinguish between upper and lower cases.
- For the password, it is recommend to use three or more types of characters from the following.
    - upper case alphabetic
    - lower case alphabetic
    - numbers
    - symbols(!#$%'()*+,-./?@[]^_`~)
- Set the password which does not include the user name.
- It is recommended to change the password periodically.

1. **Locate the UCU710 and a PC in the same network as the HRP1010.**
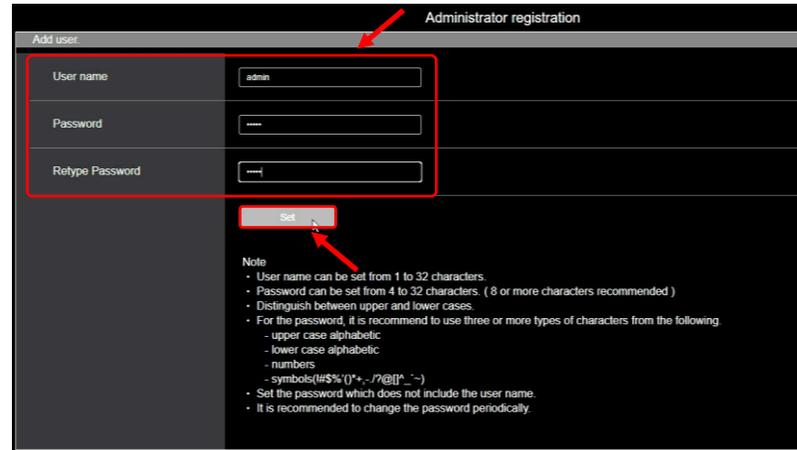
2. **Open the CCU's Web-GUI (**Default IP 192.168.0.20**)**
   ⇒ Execute Administrator registration.

e.g.

- **USER NAME** : UCU700
- **PASSWORD** : 12345678
- **RETYPE PASSWORD** : 12345678
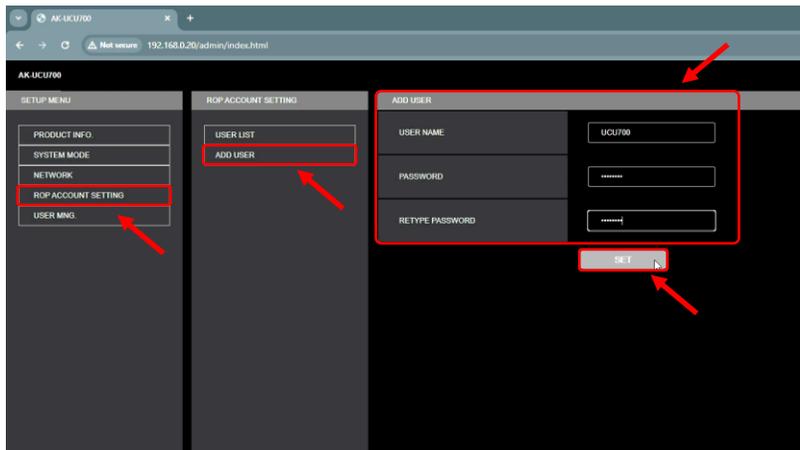
3. **"ROP ACCOUNT SETTING" > "ADD USER"**
   ⇒ Set "USER NAME" & "PASSWORD".
   ⇒ "SET"

4. **"USER LIST"**
   ⇒ Confirm USER NAME & PASSWORD have been assigned.

e.g.
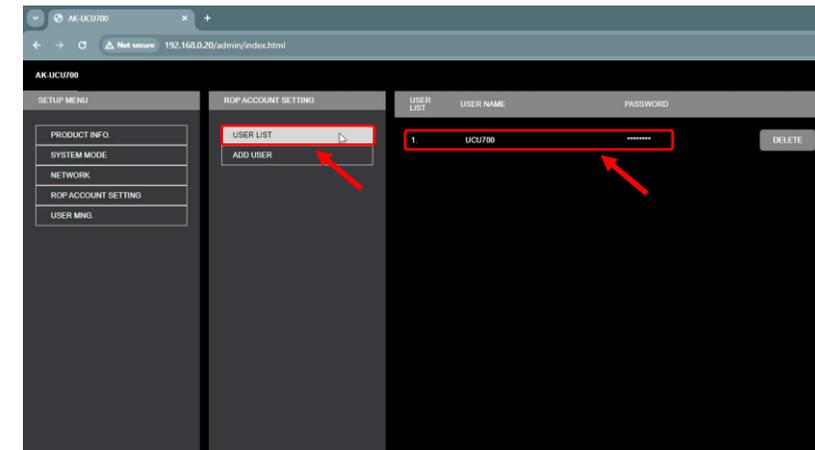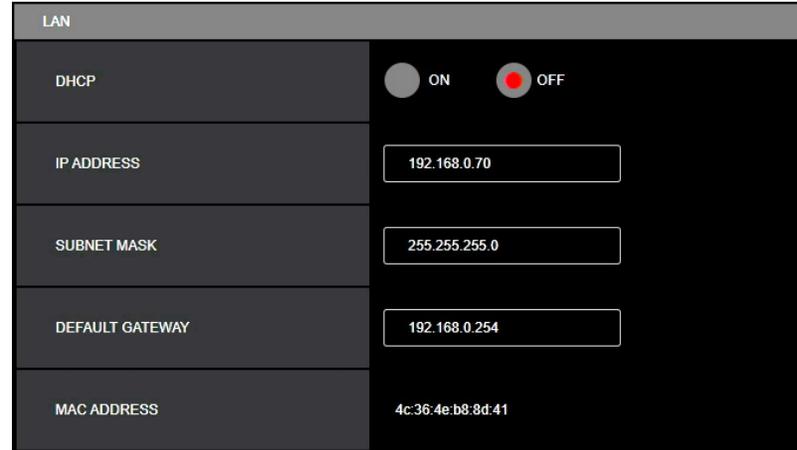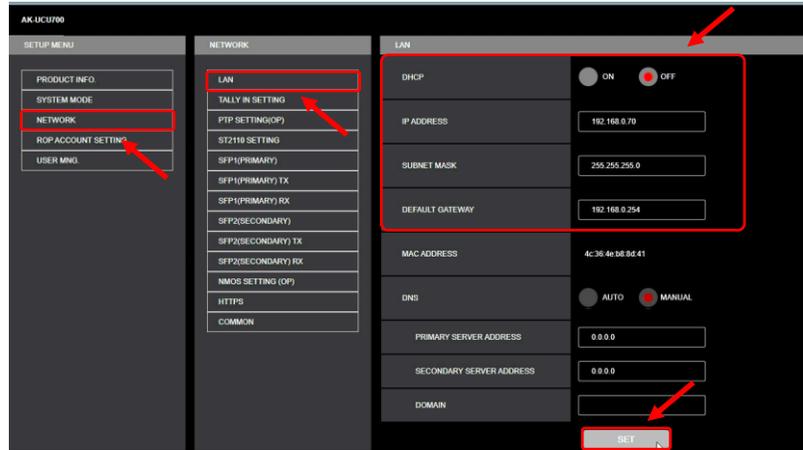
- **DHCP** : **OFF**
- **IP ADDRESS** : **192.168.0.70**
- **SUBNET MASK** : **255.255.255.0**
- **DEFAULT GATEWAY** : **192.168.0.254**

5. **"NETWORK" > "LAN"**

   ⇒ **Set parameters.**

   ⇒ **"SET"**

1. **MENU > [4] SYSTEM**

2. **ROP IP SETTING**

e.g.

- **NETWORK SETTING** **: STATIC**
- **IP** **: 192.168.0.130**
- **SUBNET** **: 255.255.255.0**
- **DEFAULT GATEWAY** **: 192.168.0.254**

※ **No need to change PORT (35200).**

3. **Set the IP address for the HRP1010.**

   ⇒ **SAVE (Push) ⇒ OK ⇒ Reboot ROP.**

1. **MENU > [4] SYSTEM**

2. **CAM IP SEARCH**

3. **Set "YES?" for CAM IP SEARCH.**

4. **The camera(s) in the same network as the HRP1010 shows up.**

※ In this example, the UCU710 has been assigned as CAM #1 in the HRP1010.

5. Set CAM No. (e.g. 1) and "YES?" for SAVE.

6. SAVE and HIT turn to "NO?" and " - ".

7. MENU > [4] SYSTEM

8. MANUAL IP SETTING:

    The assigned CAM IP and PORT can be confirmed.

9. CONNECT SETTING:

    The assigned CONNECT MODE can be confirmed.

1. **MENU > [4] SYSTEM**

2. **CAMERA AUTH SETTING**

3. **Set USER NAME & PASSWORD to be the same as the CCU's.**

   ※ **USER NAME & PASSWORD are case- sensitive.**

4. **Set "YES?" for SAVE. ⇒ Yes**

   ⇒ **The connection should be established!**
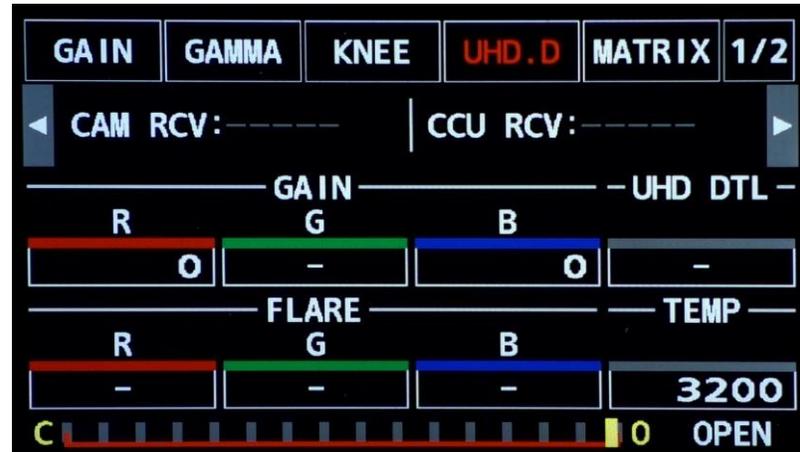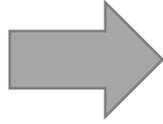
The Information window disappears when the connection between the HRP1010 and camera has been established.

If the connection has still not been established, the selected camera # might not be correct.

⇒ See the following pages.
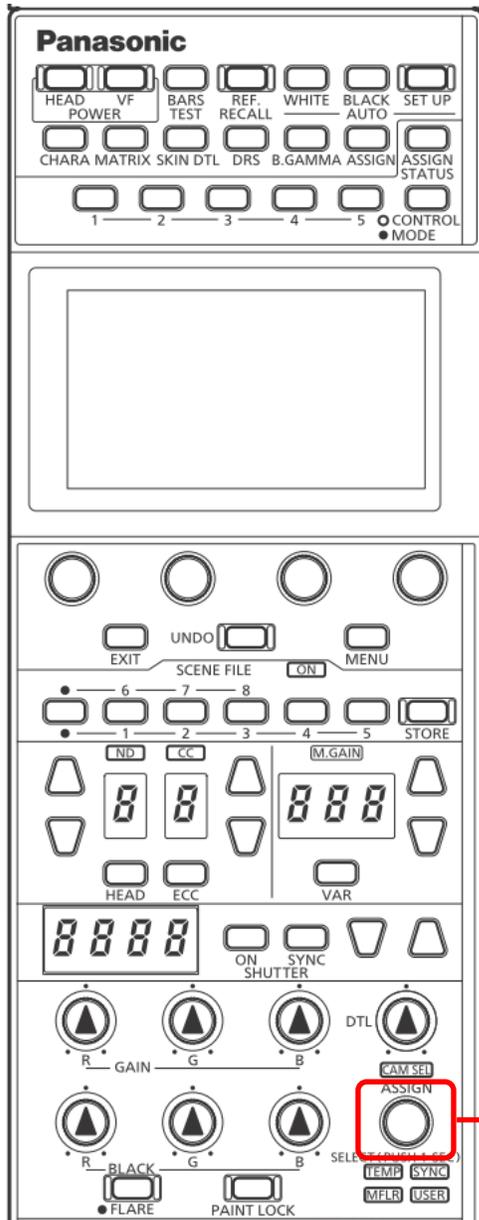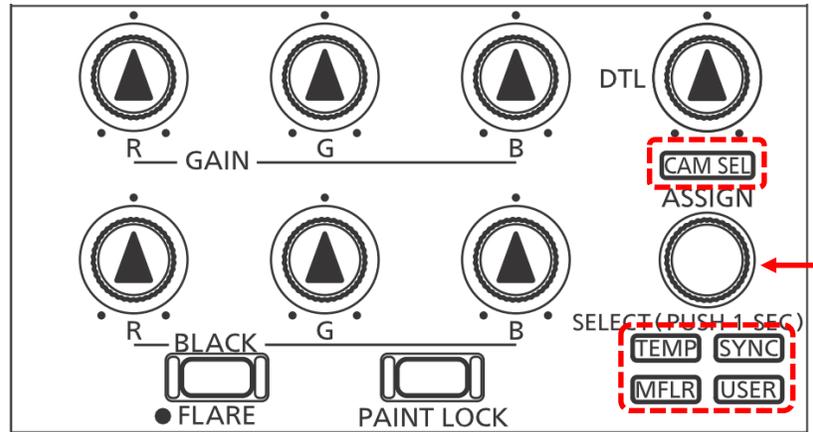
1. Push the SELECT knob until one of the indicators (TEMP or CAM SEL or SYNC or USER or MFLR) starts blinking.

2. Rotate the SELECT knob to move the indicator to <u>CAM SEL</u>, then push the knob to select it.

3. The selected camera # shows up on the LCD panel. (In this example, camera #1)
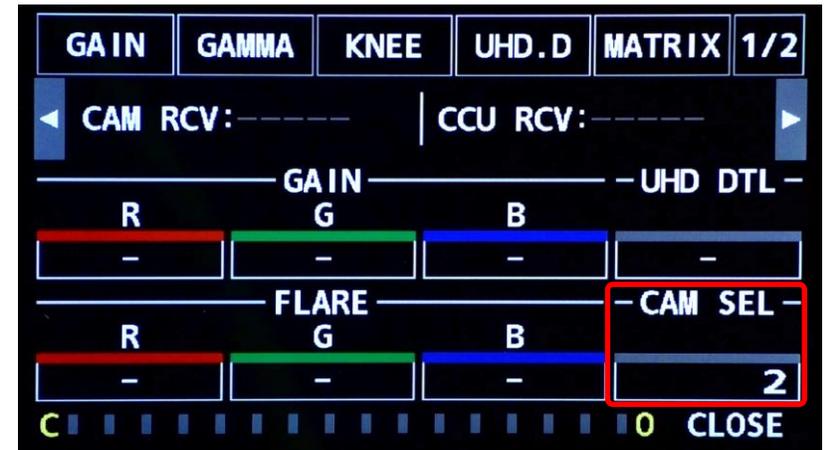
4. Rotate the SELECT knob to select the intended camera #, then push the knob to select it. (In this example, camera #2)

SELECT
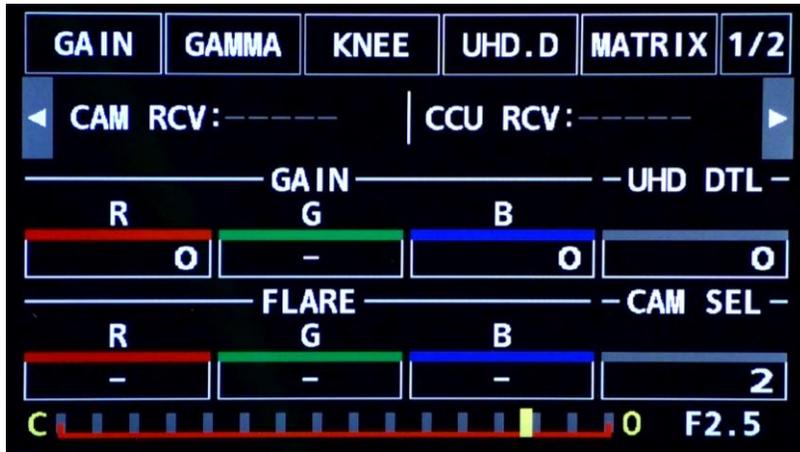
5. Now, the connection between the HRP1010 and camera should be established.

6. List of CONNECT MODE & PORT

Camcorder	CONNECT MODE	PORT
AG-CX350	LAN (AG)	49154
AG-CX4000	LAN (AJ2)	49154
VariCam LT	LAN (AU)	49152
AU-EVA1	LAN (AU2)	49152

PTZ Camera	CONNECT MODE	PORT
AW-UE160	LAN (AW7)	80
AW-UE150, HE145	LAN (AW4)	80
AW-UE100	LAN (AW5)	80
AW-UE80, UE50, UE40	LAN (AW6)	80
AW-UE4	LAN (AW8)	80
AW-UR100	LAN (AW9)	80
AW-HE130, HN130	LAN (AW2)	80
AW-UE70, UN70, AW-HE42, HE40, HN40, AW-HE38, HN38	LAN (AW3)	80
AW-HR140	LAN (AW2)	80

Studio Camera	CONNECT MODE	PORT
AK-UC4000	LAN	49152
AK-UC3300	LAN	49152
AK-PLV100	LAN	49152
AK-HC3900	LAN	49152
AK-HC5000	LAN	49152
AK-UC3000	LAN	49152
AK-UCU700, UCU710	LAN	49152
AK-UCU600	LAN	49152
AK-UCU500	LAN	49152
AK-HCU250	LAN	49152
AK-UB300	LAN (AW)	80