DT-SCU

Camera Interface

User Manual

2-Wire System   Camera Interface

Model: SCU

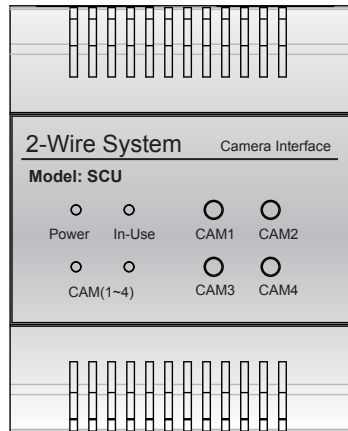| ○ Power | ○ In-Use | ◯ CAM1 | ◯ CAM2 |
| ○ | ○ | ◯ CAM3 | ◯ CAM4 |
| CAM(1~4) | | | |

2EASY

Please read this manual carefully before using the product you purchase, and keep it well for future use.We reserve the right to modify the specification in this manual at any time without notice.

1.About DT-SCU Unit

Discription:

The camera interface DT-SCU is a controller function device designed for DT system to control camera. In addition, DT-SCU can be configured as DT-DCU working mode to fit before used DT-DCU accessory of the project. For details, see later section 5.

2. Terminal Description
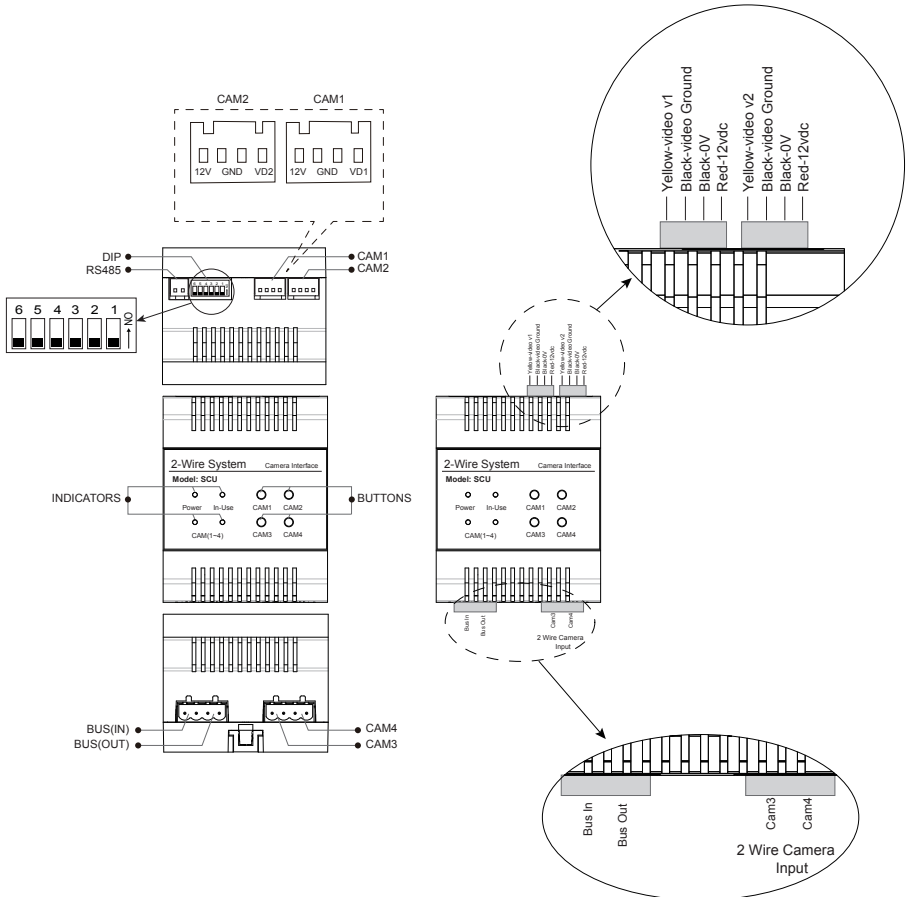
RS485: Reserved.

CAM1~2: Connection for a regular analogue CCTV (TYPE A Camera).

CAM3~4: Connection of a 2 wire camera(TYPE B Camera); If connecting a CCTV camera to this port, it must be connected via a DT-CCU to convert to an analogue signal (see DT-CCU manual for further details).

BUS(IN): Connect to the bus line, no polarity on bus pair. Connect to monitor side of circuit ONLY.

BUS(OUT): Connect to the bus line, no polarity on bus pair Connect to Door Station side of circuit ONLY.

BUTTONS: Press CAM1~CAM4 button, it can control the corresponding video output.

INDICATORS:

1.Power: Working indicator, always on when the SCU work normally.

2.In-Use:Video output indicator, always on when the SCU output the video.

3.CAM(1~4):Video output indicator.

In-Use	CAM(1~4)		Description
🔴	⚪	⚪	CAM1 video output
🔴	🔴	⚪	CAM2 video output
🔴	⚪	🔴	CAM3 video output
🔴	🔴	🔴	CAM4 video output

* NOTE:

🔴 :It shows that the indicator ON;

⚪ :It shows that the indicator OFF.

DIP:DIP switches.

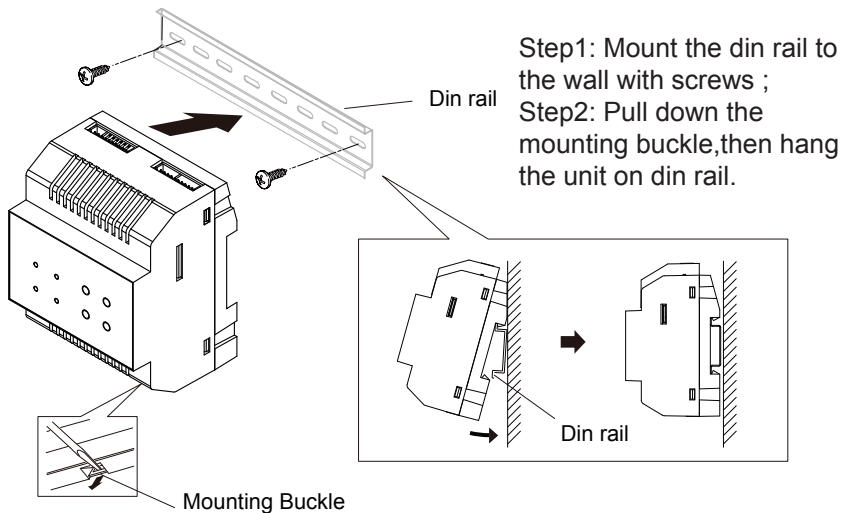| Bit	Bit State	Description
DIP1~DIP2		set to the first DT-SCU.
		set to the second DT-SCU.
		set to the third DT-SCU.
		set to the fourth DT-SCU.
DIP3		TYPE A Camera used. When DT-SCU connected TYPE A Camera, it should be set to ON.
DIP4		TYPE B Camera used. When DT-SCU connected TYPE B Camera, it should be set to ON.
DIP5		When all DT-SCU of the system are configured to connect the two cameras(two TYPE A Cameras or two TYPE B Cameras), it should be set to ON; When all DT-SCU of the system are configured to connect the four cameras(two TYPE A Cameras and two TYPE B Cameras), it should be set to OFF.
DIP6		When the system connected SC6V, and SC6V connected two cameras(the two cameras of the device is valid),it should be set to ON; When the system don't connected SC6V(or connected SC6V, but SC6V don't connected camera), it should be set to OFF.

3. Unit Mounting

Step1: Mount the din rail to the wall with screws ;
Step2: Pull down the mounting buckle,then hang the unit on din rail.

Din rail

Mounting Buckle

Din rail

4. Wiring Diagram

1# CCTV

2# CCTV

AC~

PC6

SCU

BUS(IM) BUS(DS)

BUS(IN) BUS(OUT)

RF CARD

4# CCTV

3# CCTV
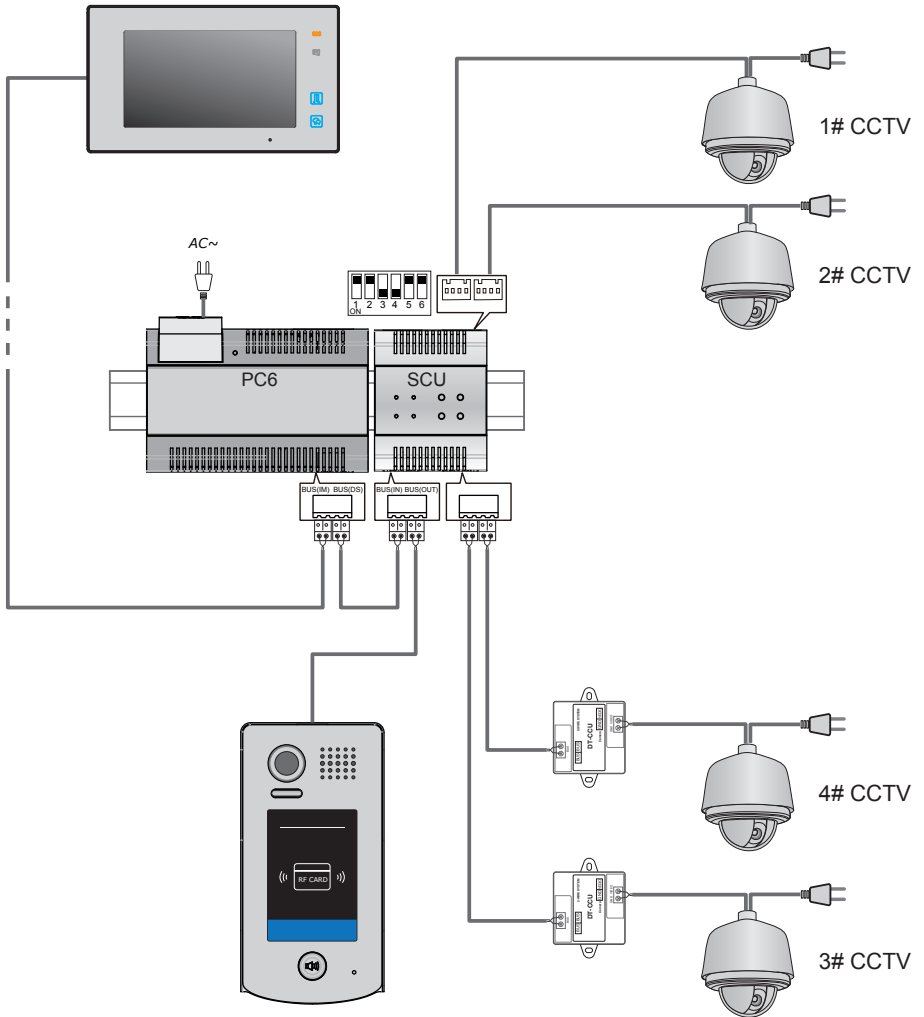
5. The use instruction of as a DT-DCU

When DT-SCU configured as DT-DCU working mode, DT-SCU has the same function with DT-DCU accessory, here no longer tired out; The following is only a brief introduction of its configuration operations:

1). DIP switch configuration;

Bit definition	Bit state	Function Descriptions
Bit-1 and bit-2 SCU(DCU) code setting		Invalid for SCU(DCU).
		Set to the first SCU(DCU).
		Set to the second SCU(DCU).
		Set to the third SCU(DCU).
Bit-3 and bit-6 Camera Config		*Bit-3(ON):CAMERA1 Enable; Bit-3(OFF):CAMERA1 Disable; *Bit-4(ON):CAMERA2 Enable; Bit-4(OFF):CAMERA2 Disable; *Bit-5(ON):CAMERA3 Enable; Bit-5(OFF):CAMERA3 Disable; *Bit-6(ON):CAMERA4 Enable; Bit-6(OFF):CAMERA4 Disable;

2).Working mode configuration, the camera switching time setting, and monitoring time setting.

In the standby, press and hold "CAM4" button for 3 seconds, it will enter the state of program.

indicator:IN-USE

(flash)

In the program state, press and hold "CAM1" button for 3 seconds to switch the working mode. Then it will return to standby

Working mode   indicator:CAM(1~4)

[SCU mode] → [DCU mode]: (flash once)

[DCU mode] → [SCU mode]: (flash twice)

In the program state, press and hold "CAM2" button for 3 seconds, it will enter the state of camera switching time setting.

(1)the left light of indicator CAM (1 ~ 4) starts flashing (flash once per second);
(2)Flash once to increase 3 seconds;
(3)Press any button to confirm the setting and return to standby.

Note:
1. The maximum can be set to 99 seconds, to 99 seconds, then automatically save and return to standby.
2. 6 seconds by default.

In the program state, press and hold "CAM3" button for 3 seconds, it will enter the state of monitoring time setting.

(1)the right light of indicator CAM (1 ~ 4) starts flashing (flash once per second);
(2)Flash once to increase 15 seconds;
(3)Press any button to confirm the setting and return to standby.

Note:
1. The maximum can be set to 900 seconds, to 900 seconds, then automatically save and return to standby.
2. 600 seconds by default.

Note:In program state, if there isn't any operation within 10s, or press any button, it will return to standby.

6. Specification

- Power Supply :   DC24V;
- Working Temperature: $-15^{0}C \sim +55^{0}C$;
- Wiring: 2 wire,non-polarity;
- Dimension: 90(H)×72(W)×60(D)mm.

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