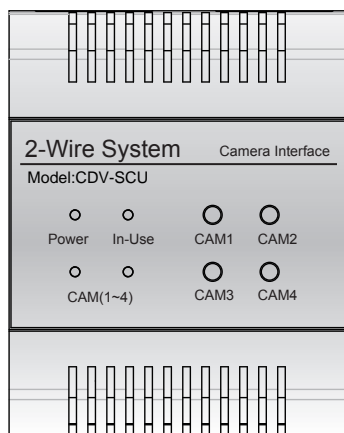


CDV-SCU

Camera Interface

User Manual



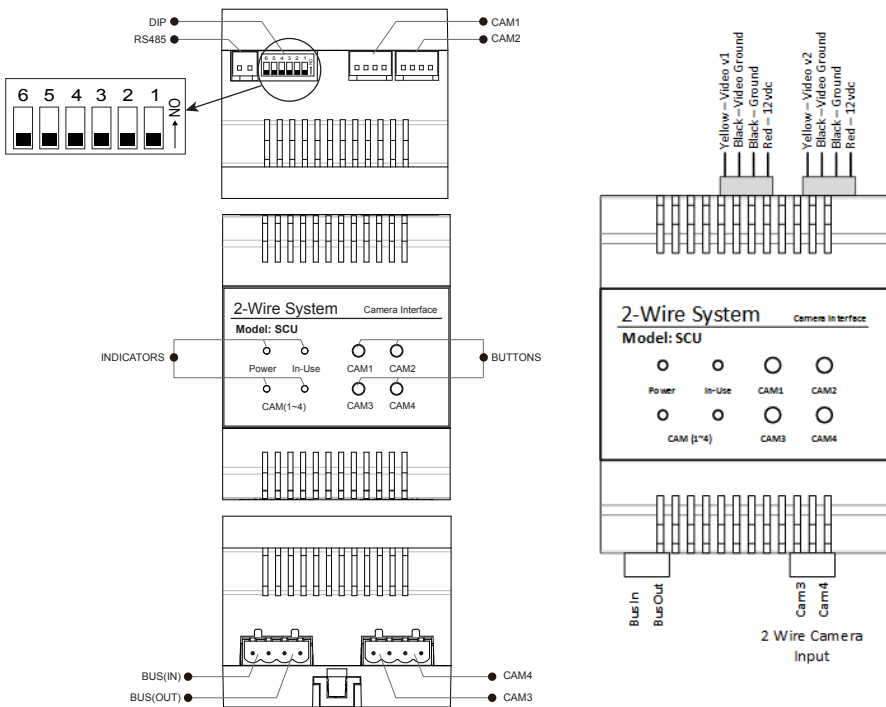
Please read this manual carefully before using the product you purchase, and keep it for future use. We reserve the right to modify the specification in this manual at any time without notice.

1.About DT-SCU Unit

Description:

The camera interface CDV-SCU is a device designed for the 2Easy system to allow viewing of CCTV cameras. In addition, the CDV-SCU can be configured as the CDV-DCU if the DCU is being replaced please see section 5.

2. Terminal Description



RS485:Reserved.

CAM1~2:Connect to regular analog CCTV(Type A Camera).

CAM3~4:Connect to 2 wire camera(Type B Camera).

BUS(IN):Connect to the bus line, no polarity.

BUS(OUT):Connect to the bus line, no polarity.

BUTTONS:Press CAM1~CAM4 button to control the corresponding output.

INDICATORS:









- 1.Power: Always on when the SCU is working normally.
- 2.In-Use: Video output indicator is on when video is being output by the SCU.
- 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

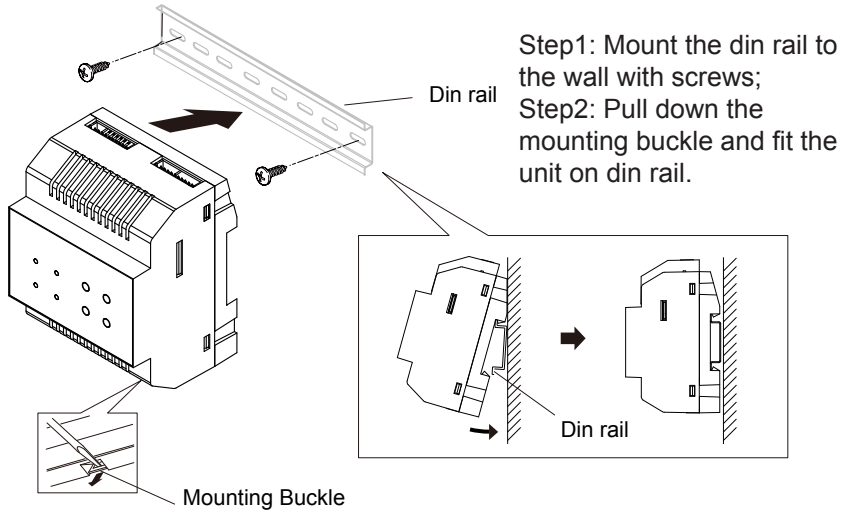
*** NOTE:**

- :It shows that the indicator ON;
- :It shows that the indicator OFF.

DIP:DIP switches.

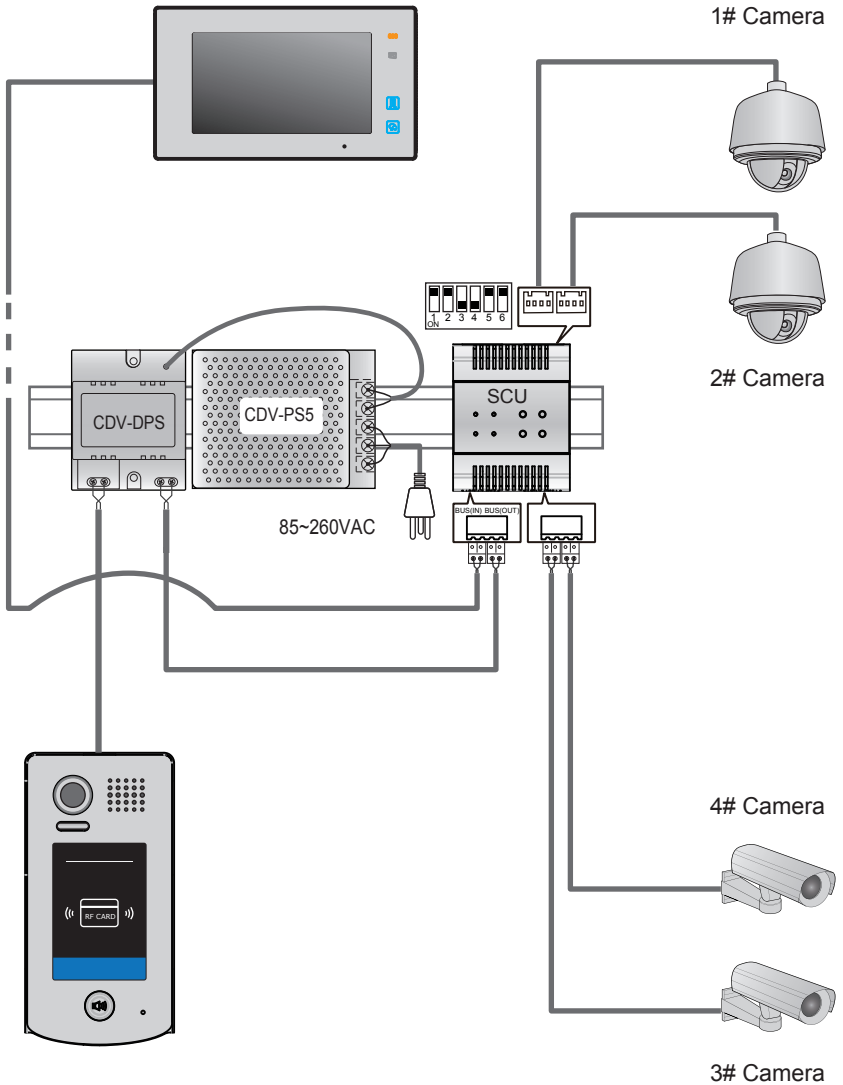
Bit	Bit State	Description
DIP1~DIP2		Set to the first SCU.
		Set to the second SCU.
		Set to the third SCU.
		Set to the fourth SCU.
DIP3		TYPE A Camera used. When the SCU is connected to a TYPE A Camera, set to ON.
DIP4		TYPE B Camera used. When the SCU is connected to aTYPE B Camera, set to ON.
DIP5		When all the SCU's on the system are configured for connection to two Type A cameras OR two Type B cameras, DiP 5 = On. When all the SCU's on the system are configured for connection to four cameras (two type A and two type B), DiP 5 = Off.
DIP6		Reserved.

3. Unit Mounting

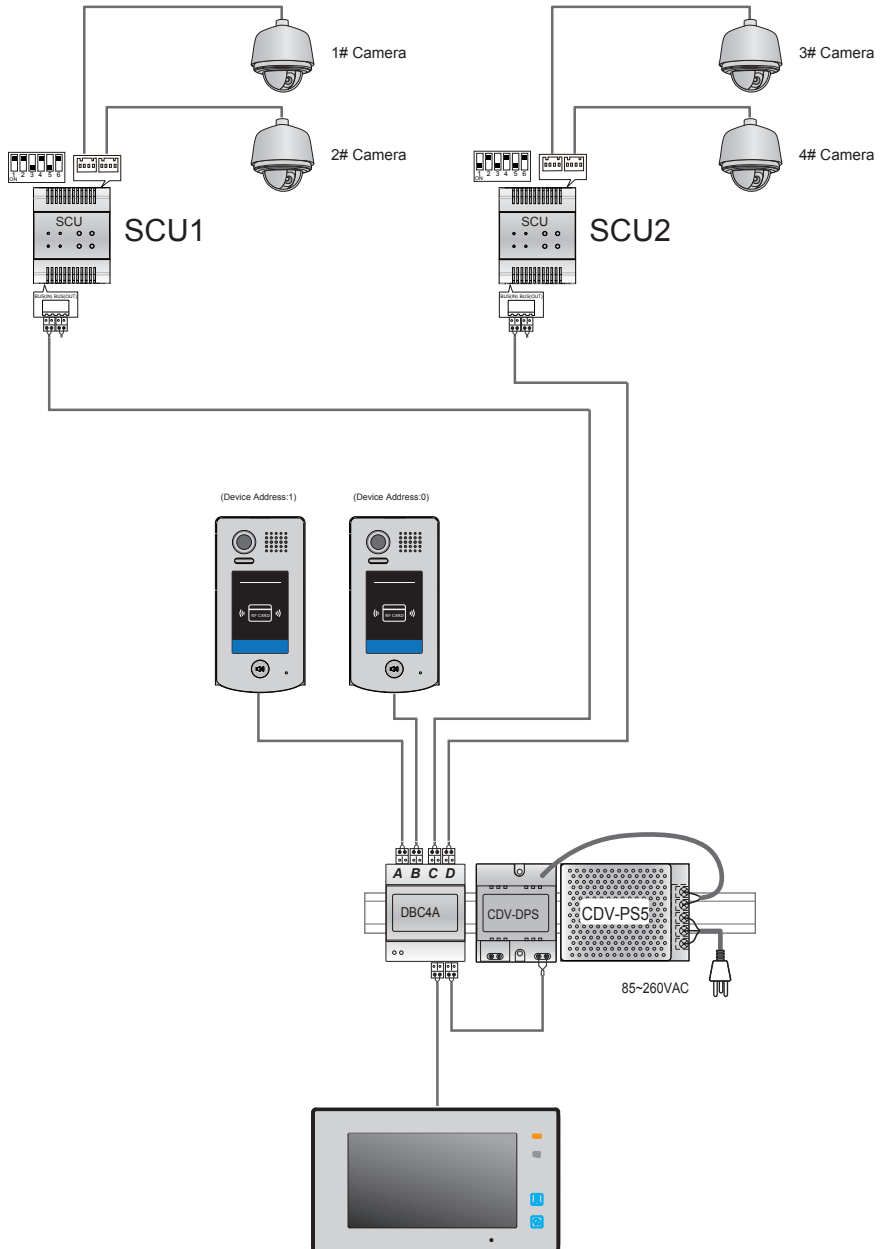


4. Wiring Diagram

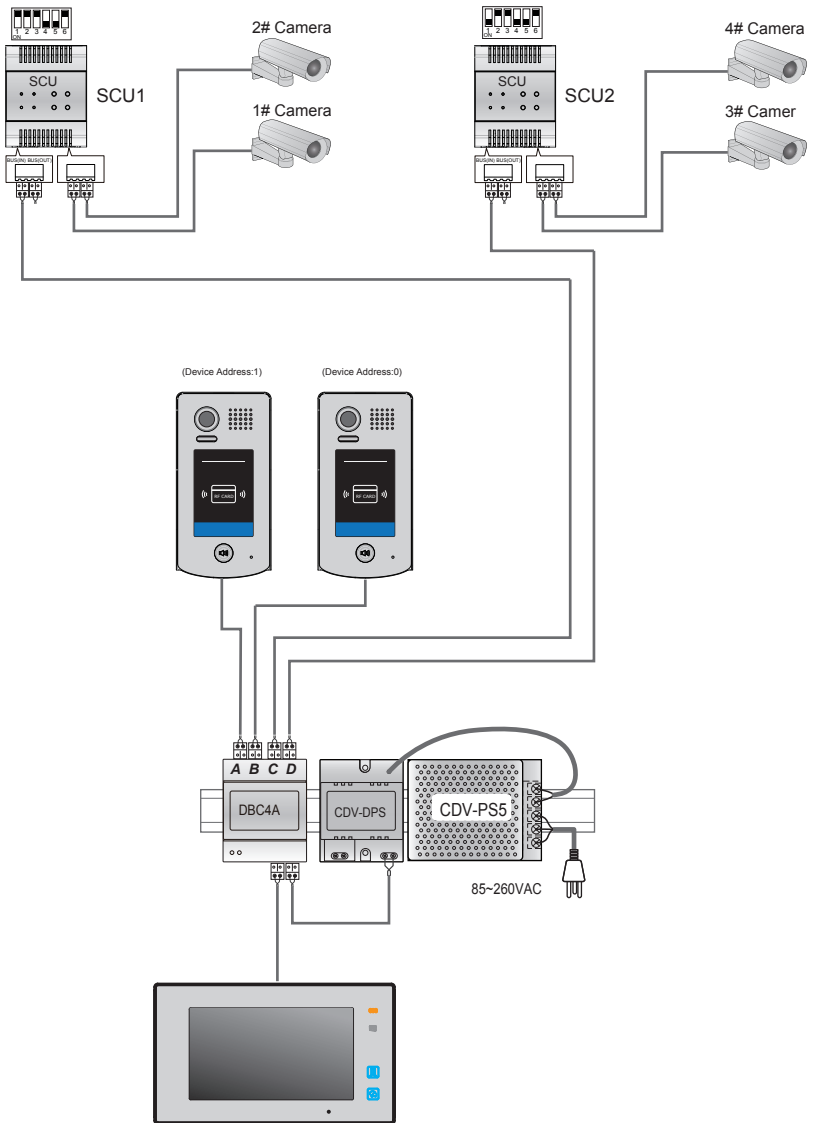
4.1 Single door station and single SCU applications:



4.2 Multi door station and two SCU(Type A Cameras) applications:








4.3 Multi door station and two SCU(connect two TYPE B Cameras) applications:



5. Set-Up as CDV-DCU

When replacing a DCU with the SCU module please pay attention to the setup of the dip switches and programming of the unit.

1). DIP switch configuration;

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

2). Programming the DCU functions: Working mode, camera switching and monitor times.

In Standby, press and hold the "CAM4" button for 3 seconds. the SCU will enter programming mode.

indicator:IN-USE
●
(flash)



In programming mode, press and hold the "CAM1" button for three seconds to switch between SCU and DCU working modes. Once selected the unit will return to standby.

Working mode indicator:CAM(1~4)
● ●
[SCU mode] ⇒[DCU mode]: (flash once)
[DCU mode] ⇒[SCU mode]: (flash twice)

In programming mode, press and hold the "CAM2" button for three seconds, the module will enter the mode to alter the camera switching time.

(1) The left indicator light for CAM (1~4) starts flashing once per second.
(2) Every flash increases the camera switching time by 3 seconds up to a max 99 seconds.
(3) Press any button 1-4 to confirm the switching time and return to standby.

In programming mode, press and hold the "CAM3" button for three seconds, the module will enter the mode to alter the monitoring time-out.

(1) The right indicator light for CAM (1~4) starts flashing once per second.
(2) Every flash increases the monitoring time-out by 15 seconds up to a max 900 seconds.
(3) Press any button 1-4 to confirm the monitoring time and return to standby.

Note:

1. The module is set to 6 seconds switching time as its default value.
2. The Maximum switching time = 99seconds.

Note:

1. The module is set to 600 seconds of Monitoring time as its default value.
2. The maximum monitoring time = 900 seconds.

Note: If no additional operation is made within 10 seconds the unit will return to standby.

6. Specification

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

The design and specifications can be changed without notice to the user. Right to interpret and copyright of this manual are preserved.