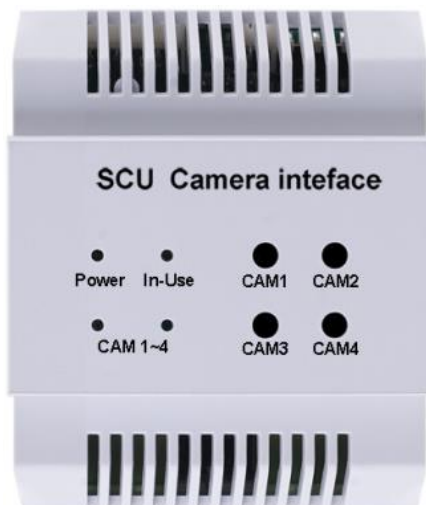# XtendLan

DPA-D2-SCU

Camera Unit for 2-wired door station system
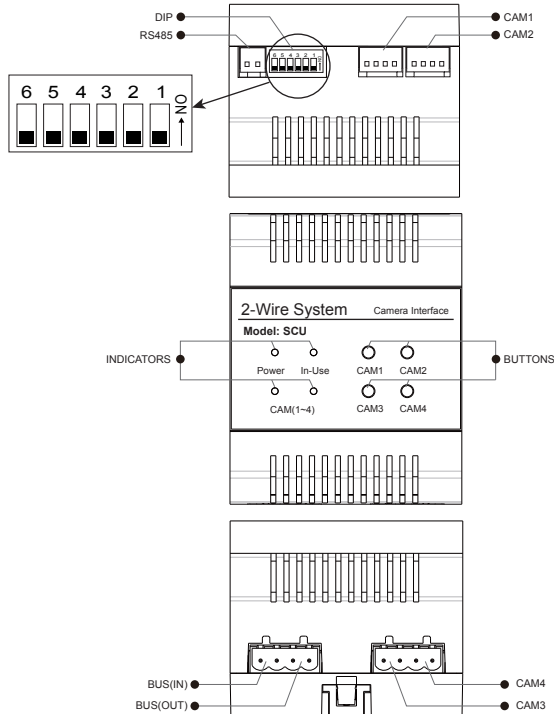

User Manual

1.About SCU Unit

Discription:

The camera interface SCU is a controller function device designed for 2wired system to control camera.

2. Terminal Description

RS485:Reserved.

CAM1~2:Connect to regular analog CCTV(the following called TYPE A Camera).

CAM3~4:Connect to 2 wire camera(the following called 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, 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

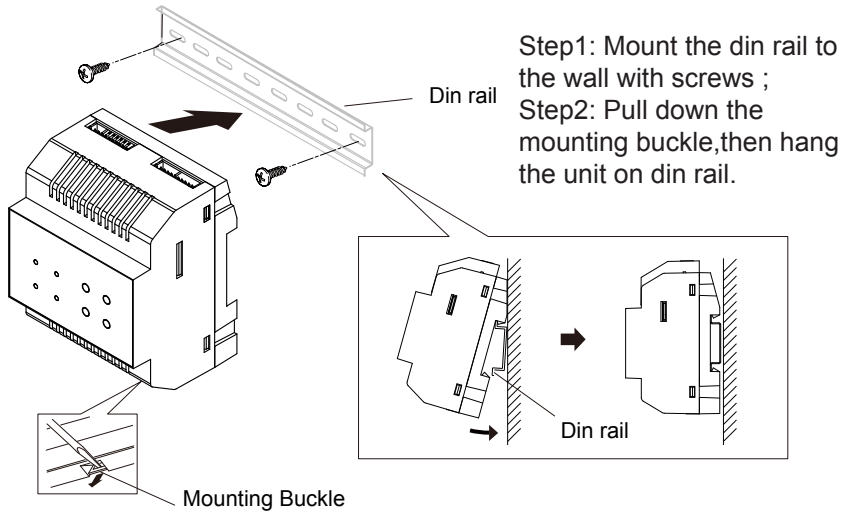***** NOTE:

🔴 :It shows that the indicator ON;
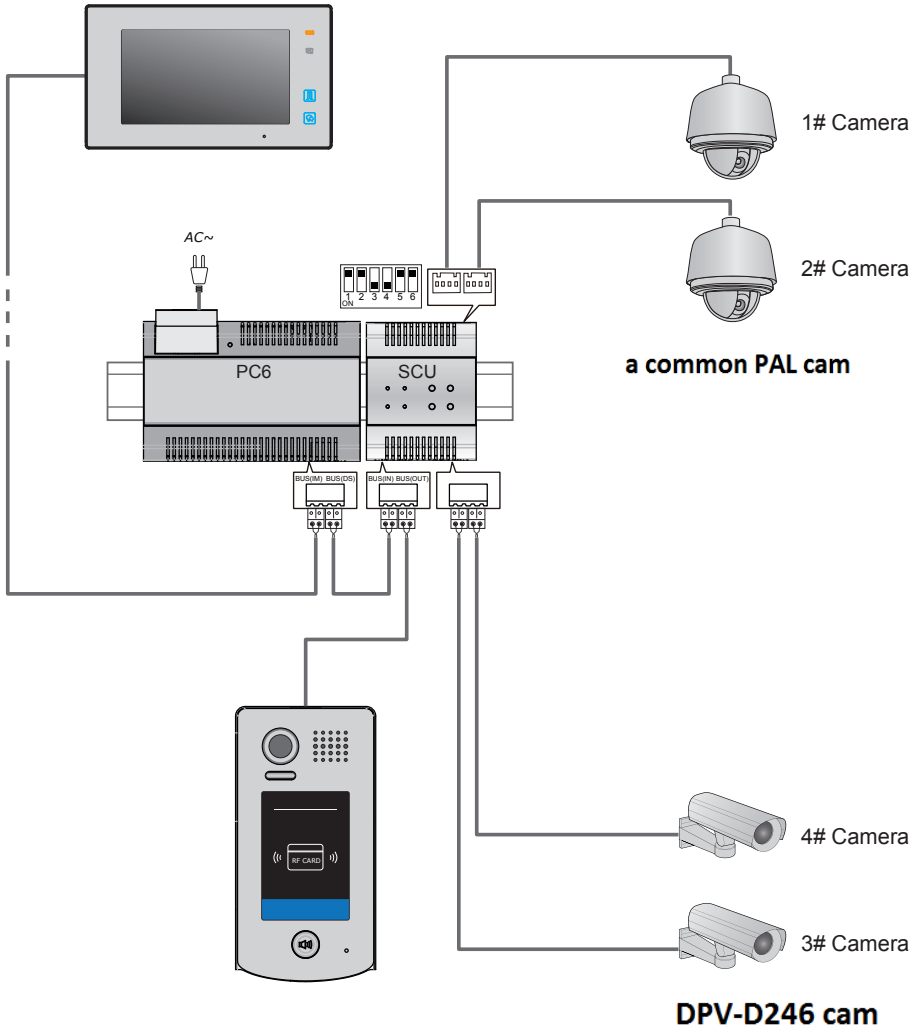⚪ :It shows that the indicator OFF.

DIP:DIP switches.

Bit	Bit State	Description
DIP1~DIP2		set to the first SCU.
		set to the second SCU.
		set to the third SCU.
		set to the fourth 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

Din rail

Mounting Buckle

4. Wiring Diagram

4.1 Single door station and single SCU applications:

1# Camera

2# Camera

a common PAL cam

AC~

PC6

SCU

BUS(M) BUS(DS)

BUS(N) BUS(OUT)

RF CARD

4# Camera

3# Camera

DPV-D246 cam

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

1# Camera

2# Camera

3# Camera

4# Camera

SCU a

SCU b

(Device Address:1)

(Device Address:0)

AC~

PC6

A B C D

DBC4
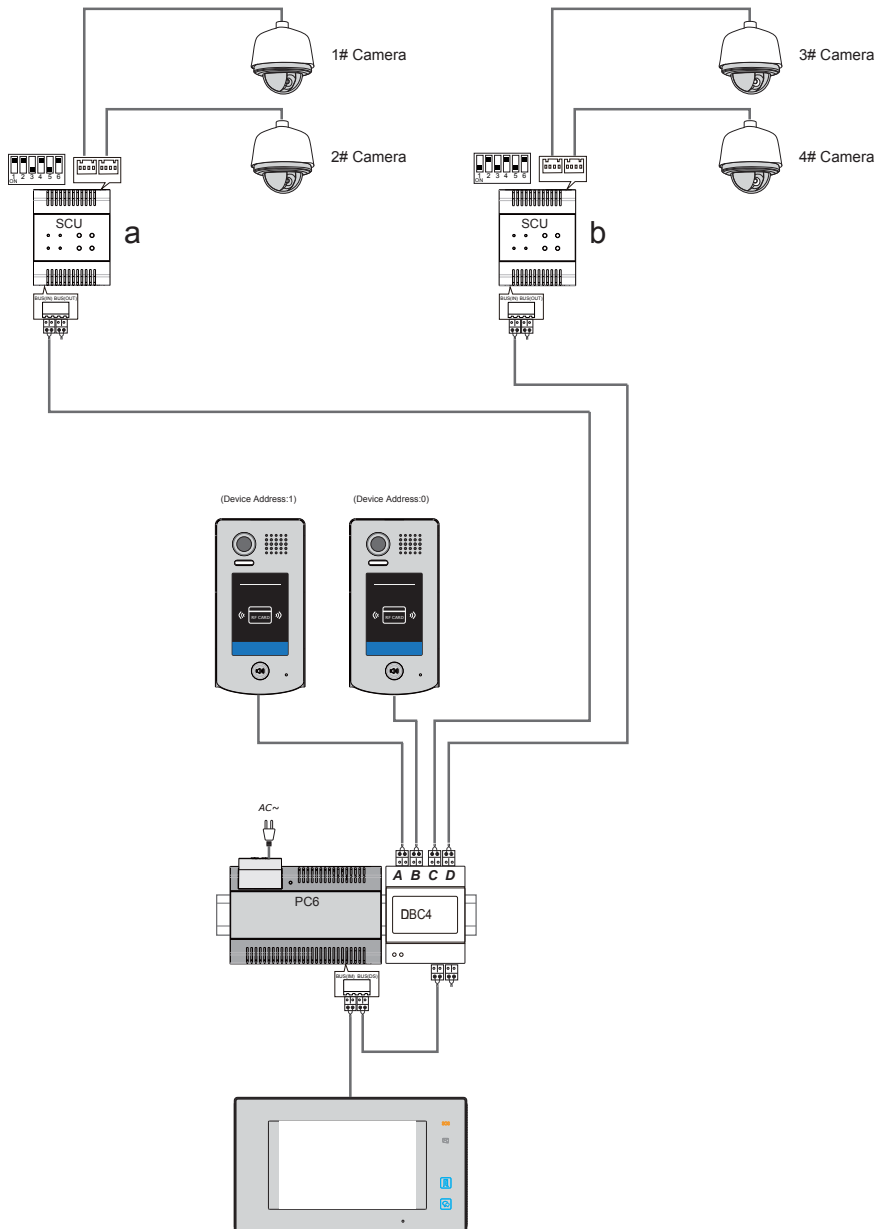
4.3 Multi door station and two SCU(connected two TYPE B Cameras) applications:
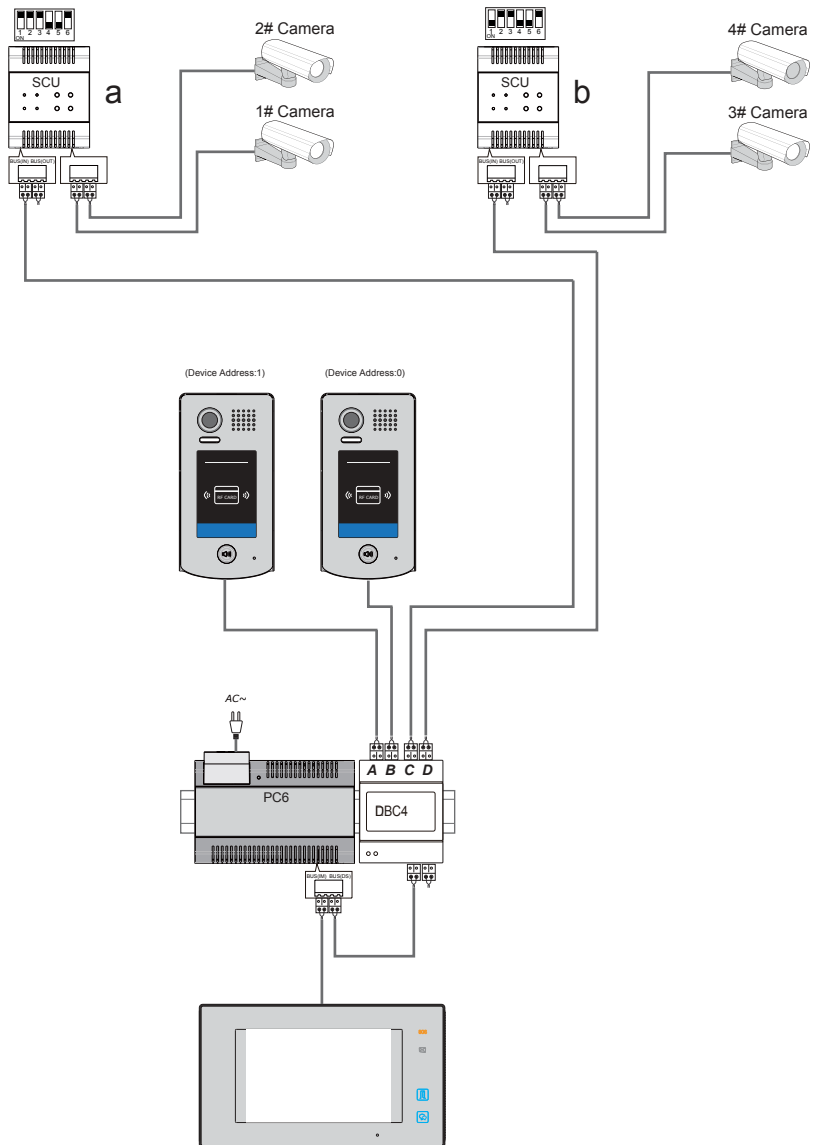
NOTE: The system can connect SC6V(SC6V connected two TYPE B Cameras), but at this time, the DIP6 of SCU must be set to ON.

5. Specification

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