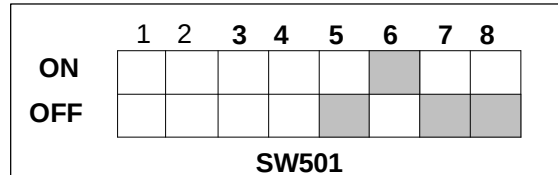


SCC-643(P) PROTOCOL FUNCTION TABLE

1. PROTOCOL ID: 2

1) **Maker** : VICON HALF

2) **Dip Switch** : Set 5,6,7,8 pin of SW501. (Protocol Select)



Refer to SCC-643 User's Manual

SW501 1~2 : RS-485 Termination

3~4 : Baud Rate

3) Function

	VICON (V1300X-DVC)	SCC-643
1	Pan/Tilt/Zoom/Focus/Iris	Pan/Tilt/Zoom/Focus/Iris
2	RUN MODE : PP ENTER ;æ #(1~89) ;æ PP ENTER	Go to Preset (1 ~ 89)
3	PGM MODE: PP ENTER ;æ #(1~89) ;æ PP ENTER	Save Preset (1 ~ 89)
4	RUN MODE : PP ENTER ;æ #(90) ;æ PP ENTER	Menu On/Off
5	RUN MODE : PP ENTER ;æ #(91) ;æ PP ENTER	Menu Mode : ENTER Key
6	RUN MODE : PP ENTER ;æ #(92) ;æ PP ENTER	Scan Start
7	RUN MODE : PP ENTER ;æ #(93) ;æ PP ENTER	Auto Pan Start
8	RUN MODE : PP ENTER ;æ #(94) ;æ PP ENTER	Pattern 1
9	RUN MODE : PP ENTER ;æ #(95) ;æ PP ENTER	Pattern 2
10	RUN MODE : PP ENTER ;æ #(96) ;æ PP ENTER	Pattern 3
11	RUN MODE : PP ENTER ;æ #(97) ;æ PP ENTER	Menu Mode: ;æ ;æ ;æ
12	RUN MODE : PP ENTER ;æ #(98) ;æ PP ENTER	Alarm Reset
13	RUN MODE : PP ENTER ;æ #(99) ;æ PP ENTER	Camera Reset
14	Joystick Up	Menu Mode: ;è Key
15	Joystick Down	Menu Mode: ;é Key
16	Joystick Left	Menu Mode: ;ç Key
17	Joystick Right	Menu Mode: ;æ Key

;æ ;æ It is used to select 'SIZE' and 'POSITION' in Setup Menu.

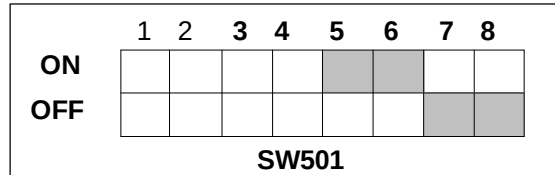
(**MAIN MENU ** ;æ CAMERA... ;æ MOTION DET ON ;æ AREA USER... or
 **MAIN MENU ** ;æ VIDEO SET... ;æ IRIS ALC... ;æ AREA USER...)

2. PROTOCOL ID : 3, 4

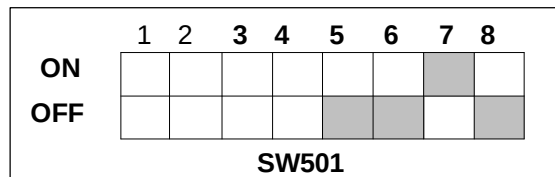
1) **Maker** : Panasonic HALF(3) / FULL(4)

2) **Dip Switch** : Set 5,6,7,8 pin of SW501.(Protocol Select)

Panasonic **HALF** Duplex



Panasonic **FULL** Duplex



SW501 1~2 : RS-485 Termination (Refer to SCC-643 Owner's Instructions)

3~4 : DM Sprite2 19200 bps Only.

Baud Rate	SW501-3	SW501-4
19200BPS	OFF	OFF
9600BPS	ON	OFF
4800BPS	OFF	ON
2400BPS	ON	ON

3) Function 1

	PANASONIC WV-CU161 Controller	SCC-643
1	CAM ADDR	CAMERA ADDR Select
2	Pan/Tilt/Zoom/Focus/Iris	Pan/Tilt/Zoom/Focus/Iris
3	#(1~60) ꞑ PRESET SET	Go to Preset (1 ~ 60)
4	CAMERA SETUP	Camera Menu On/Off
5	PRESET SET	Menu Mode : Enter Key
6	HOME ESC	Menu Mode : ꞑ00u
7	#(61) ꞑ PRESET SET	Pattern 1
8	#(62) ꞑ PRESET SET	Pattern 2
9	#(63) ꞑ PRESET SET	Pattern 3
10	#(64) ꞑ PRESET SET	Camera Reset
11	#(1) ꞑ AUTO	Auto Pan
12	#(2) ꞑ AUTO	Scan
13	#(3) ꞑ AUTO	Alarm Reset
14	Joystick Up (2)	Menu Mode: 'ꞑ'è Key
15	Joystick Down (8)	Menu Mode: 'ꞑ'é Key
16	Joystick Left (4)	Menu Mode: 'ꞑ'ç' Key
17	Joystick Right (6)	Menu Mode: 'ꞑ'æ' Key

4) Function 2

	PANASONIC WV-CU550C Matrix Switcher	SCC-643
1	CAM ADDR	CAMERA ADDR Select
2	Pan/Tilt/Zoom/Focus/Iris	Pan/Tilt/Zoom/Focus/Iris
3	#(1 ~ 54) ꞑæ Preset/AF	Go to Preset (1 ~ 54)
4	#(55) ꞑæ Preset/AF	Camera Menu On/Off
5	#(56) ꞑæ Preset/AF	Menu Mode : Enter Key
6	#(57) ꞑæ Preset/AF	Menu Mode : ꞑ00û
7	#(58) ꞑæ Preset/AF	Auto Pan
8	#(59) ꞑæ Preset/AF	Scan
9	#(60) ꞑæ Preset/AF	Alarm Reset
10	#(61) ꞑæ Preset/AF	Pattern 1
11	#(62) ꞑæ Preset/AF	Pattern 2
12	#(63) ꞑæ Preset/AF	Pattern 3
13	#(64) ꞑæ Preset/AF	Cam Reset...
14	Joystick Up (2)	Menu Mode: 'ꞑě Key
15	Joystick Down (8)	Menu Mode: 'ꞑé Key
16	Joystick Left (4)	Menu Mode: 'ꞑç' Key
17	Joystick Right (6)	Menu Mode: 'ꞑæ' Key

5) Function3

	Dedicated Micros Sprite2 Network Viewer	SCC-643
1	DM Sprite2 Input Ch.	CAMERA ADDR Select
2	Pan/Tilt/Zoom/Focus/Iris	Pan/Tilt/Zoom/Focus/Iris
3	#(1 ~ 36) ꞑæ Preset	Go to Preset (1 ~ 54)
4	#(37) ꞑæ Preset	Camera Menu On/Off
5	#(38) ꞑæ Preset	Menu Mode : Enter Key
6	#(39) ꞑæ Preset	Menu Mode : ꞑ00û
7	AUTO PAN Icon	Auto Pan
8	Not Defined	Scan
9	Not Defined	Alarm Reset
10	PATROL Icon	Pattern 1
11	Not Defined	Pattern 2
12	Not Defined	Pattern 3
13	Not Defined	Cam Reset...
14	Joystick Up (2)	Menu Mode: 'ꞑè' Key
15	Joystick Down (8)	Menu Mode: 'ꞑé' Key
16	Joystick Left (4)	Menu Mode: 'ꞑç' Key
17	Joystick Right (6)	Menu Mode: 'ꞑæ' Key

ꞑ00û It is used to select 'SIZE' and 'POSITION' in Setup Menu.

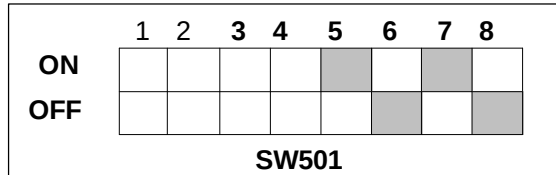
(**MAIN MENU ** ꞑæ CAMERA... ꞑæ MOTION DET ON ꞑæ AREA USER... or
 **MAIN MENU ** ꞑæ VIDEO SET... ꞑæ IRIS ALC... ꞑæ AREA USER...)

3. PROTOCOL ID : 5, 6

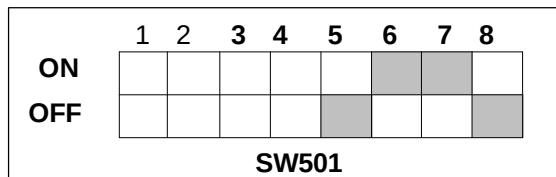
1) **Maker** : AD(American Dynamics) HALF (5) / FULL (6)

2) **Dip Switch** : Set 5,6,7,8 pin of SW501.(Protocol Select)

AD **HALF** Duplex



AD **FULL** Duplex



¡0 Refer to SCC-643 User's Manual

SW501 1~2 : RS-485 Termination

3~4 : Baud Rate

3) Function

	AD CONTROLLER	SCC-641
1	¡00ûCAM ADDR	Camera Address Select
2	Pan/Tilt/Zoom/Focus/Iris	Pan/Tilt/Zoom/Focus/Iris
3	Mark target1 ~ target7	Save Preset (1 ~ 7)
4	Go to target1 ~ target7	Go to Preset (1 ~ 7)
5	Run Pattern 1	Pattern 1
6	Run Pattern 2	Pattern 2
7	Run Pattern 3	Pattern 3
8	Iris Open ¡æ Focus(Far/Near) ¡æ Zoom Out	Menu On
9	Iris Close ¡æ Focus	Menu Off
10	Focus Far	Enter Key in Setup Menu
11	Focus Near	Menu Mode : ¡00û
12	Tilt Up	Menu Mode : ¡è
13	Tilt Down	Menu Mode : ¡é
14	Pan Right	Menu Mode : ¡æ
15	Pan Left	Menu Mode : ¡ç
16	Focus Near ¡æ Run Pattern 1 ¡æ Focus Stop	Scan
17	Focus Near ¡æ Run Pattern 2 ¡æ Focus Stop	Auto Pan
18	Faster ¡æ Zoom Out ¡æ Focus Far ¡æ Iris Open	Cam Reset

¡00û ADDRESS SET : (SSC-643 ADDRESS +1).

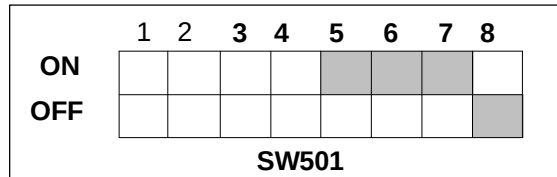
¡00û It is used to select 'SIZE' and 'POSITION' in Setup Menu.

(**MAIN MENU ** ¡æ CAMERA... ¡æ MOTION DET ON ¡æ AREA USER... or
 **MAIN MENU ** ¡æ VIDEO SET... ¡æ IRIS ALC... ¡æ AREA USER...)

4. PROTOCOL ID : 7

1) **Maker** : Philips HALF

2) **Dip Switch** : Set 5,6,7,8 pin of SW501. (Protocol Select)



¡Ø Refer to SCC-643 User's Manual

SW501 1~2 : RS-485 termination

3~4 : Baud Rate.

3) Function

	Philips controller	SCC-643
1	PAN/TILT/ZOOM/FOCUS/IRIS	Pan/Tilt/Zoom/Focus/Iris
2	SET PRESET(1~22)	Set Preset(1~22)
3	GO PRESET(1~22)	Go To Preset(1~22)
4	GO PRESET(23)	Menu On
5	GO PRESET(24)	Menu Mode : Enter Key
6	GO PRESET(25)	Menu Mode : ¡Ø
7	GO PRESET(26)	Pattern 1
8	GO PRESET(27)	Pattern 2
9	GO PRESET(28)	Pattern 3
10	GO PRESET(29)	Scan
11	GO PRESET(30)	Auto Pan
12	GO PRESET(31)	Alarm Reset
13	GO PRESET(32)	Cam Reset
14	Joystick Up	Menu Mode : ¡è Key
15	Joystick Down	Menu Mode : ¡é Key
16	Joystick Left	Menu Mode : ¡ç Key
17	Joystick Right	Menu Mode : ¡æ Key

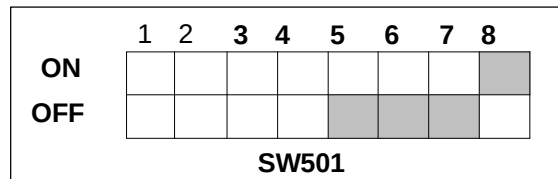
¡Ø is used to select 'SIZE' and 'POSITION' in Setup Menu.

(**MAIN MENU ** ¡æ CAMERA... ¡æ MOTION DET ON ¡æ AREA USER... or
 **MAIN MENU ** ¡æ VIDEO SET... ¡æ IRIS ALC... ¡æ AREA USER...)

5. PROTOCOL ID : 8

1) **Maker** : PELCO-P HALF

2) **Dip Switch** : Set 5,6,7,8 pin of SW501.(Protocol Select)



SW501 1~2 : RS-485 termination (Refer to SCC-643 User's Manual)

3~4 : Baud Rate

Baud Rate	SW501-3	SW501-4
19200BPS	OFF	OFF
9600BPS	ON	OFF
4800BPS	OFF	ON
2400BPS	ON	ON

3) Function1

	CM6700 Matrix Switcher	SCC-643(P)
1	#(1~16);æCAM	Camera Address Set
2	PAN/TILT/ZOOM/FOCUS/IRIS	PAN/TILT/ZOOM/FOCUS/IRIS
3	Not Defined	Set Preset(1~90)
4	#(1~90);æPRST	Go To Preset(1~90)
5	Not Defined	Auto Pan On
6	Not Defined	Auto Pan Off
7	#(91);æPRST	Pattern 1
8	#(92);æPRST	Pattern 2
9	#(93);æPRST	Pattern 3
10	#(94);æPRST	Scan
11	#(95);æPRST	Menu On
12	#(96);æPRST	Menu Mode : Enter Key
13	#(97);æPRST	Menu Mode : ;00û
14	#(98);æPRST	Alarm Reset
15	#(99);æPRST	Camera Reset
16	Joystick Up	Menu Mode : ;è Key
17	Joystick Down	Menu Mode : ;é Key
18	Joystick Left	Menu Mode : ;ç Key
19	Joystick Right	Menu Mode : ;æ Key

4) Function2

	CM6800 Matrix Switcher PACOM 2035 Controller	SCC-643(P)
1	#(1~48);CAM	Camera Address Set
2	PAN/TILT/ZOOM/FOCUS/IRIS	PAN/TILT/ZOOM/FOCUS/IRIS
3	DEF;PRST;#(1~90);ENTER	Set Preset(1~90)
4	PRST;#(1~90);ENTER	Go To Preset(1~90)
5	Zone Scan On	Auto Pan On
6	Zone Scan Off	Auto Pan Off
7	PRST;#(91);ENTER	Pattern 1
8	PRST;#(92);ENTER	Pattern 2
9	PRST;#(93);ENTER	Pattern 3
10	PRST;#(94);ENTER	Scan
11	PRST;#(95);ENTER	Menu On
12	PRST;#(96);ENTER	Menu Mode : Enter Key
13	PRST;#(97);ENTER	Menu Mode : $\downarrow$
14	PRST;#(98);ENTER	Alarm Reset
15	PRST;#(99);ENTER	Camera Reset
16	Joystick Up	Menu Mode : $\uparrow$ Key
17	Joystick Down	Menu Mode : $\downarrow$ Key
18	Joystick Left	Menu Mode : $\leftarrow$ Key
19	Joystick Right	Menu Mode : $\rightarrow$ Key

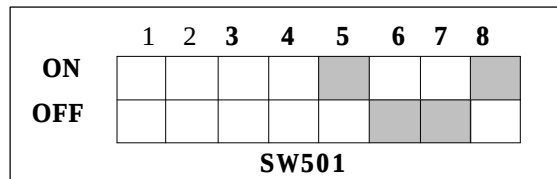
$\downarrow$ is used to select 'SIZE' and 'POSITION' in Setup Menu.

(**MAIN MENU ** ; CAMERA... ; MOTION DET ON ; AREA USER... or
 **MAIN MENU ** ; VIDEO SET... ; IRIS ALC... ; AREA USER...)

6. PROTOCOL ID : 9

1) **Maker** : KALATEL HALF

2) **Dip Switch** : Set 5,6,7,8 pin of SW501.(Protocol Select)



Refer to SCC-643 User's Manual

SW501 1~2 : RS-485 termination (Refer to SCC-643 User's Manual)

3~4 : Baud Rate.

3) Function

	KALATEL	SCC-643
1	PAN/TILT/ZOOM/FOCUS/IRIS	Pan/Tilt/Zoom/Focus/Iris
2	SET PRESET(0~21)	Set Preset(0~21)
3	GO PRESET(0~21)	Go To Preset(0~21)
4	GO PRESET(22)	Menu On
5	GO PRESET(23)	Menu Mode : Enter Key
6	GO PRESET(24)	Menu Mode :
7	GO PRESET(25)	Pattern 1
8	GO PRESET(26)	Pattern 2
9	GO PRESET(27)	Pattern 3
10	GO PRESET(28)	Scan
11	GO PRESET(29)	Auto Pan
12	GO PRESET(30)	Alarm Reset
13	GO PRESET(31)	Cam Reset
14	Joystick Up	Menu Mode : Key
15	Joystick Down	Menu Mode : Key
16	Joystick Left	Menu Mode : Key
17	Joystick Right	Menu Mode : Key

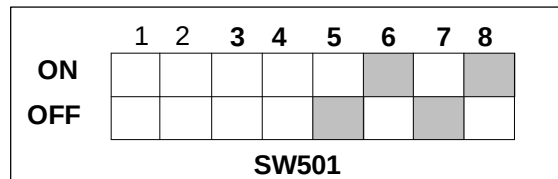
is used to select 'SIZE' and 'POSITION' in Setup Menu.

(**MAIN MENU ** CAMERA... MOTION DET ON AREA USER... or
 **MAIN MENU ** VIDEO SET... IRIS ALC... AREA USER...)

7. PROTOCOL ID : 10

1) **Maker** : ERNA HALF

2) **Dip Switch** : Set 5,6,7,8 pin of SW501.(Protocol Select)



SW501 1~2 : RS-485 termination (Refer to SCC-643 User's Manual)

3~4 : Only 2400 BPS.

3) Function

	ernitec controller	SCC-643
1	¡00û#(1~128) ¡æ CAM	Camera Address Select
1	Pan/Tilt/Zoom/Focus/Iris	Pan/Tilt/Zoom/Focus/Iris
2	#(1~120) ¡æ Prepos	Go to Preset (1 ~ 120)
3	#(1~120) ¡æ ESC ¡æ Prepos	Save Preset (1 ~ 120)
4	AUTO ¡æ Sequence	Auto Pan Start/Stop
5	Sequence	Scan Start/Stop
6	121 ¡æ Prepos	Pattern 1
7	122 ¡æ Prepos	Pattern 2
8	123 ¡æ Prepos	Pattern 3
9	124 ¡æ Prepos	¡00û
10	125 ¡æ Prepos	Camera Reset
10	'?' (Text On)	Camera Menu
11	'Palm' button	Menu Mode : Enter Key
12	Joystick Up	Menu Mode: '¡ð Key
13	Joystick Down	Menu Mode: '¡é Key
14	Joystick Left	Menu Mode: '¡ç' Key
15	Joystick Right	Menu Mode: '¡æ' Key
16	'clock' button	Alarm Reset

¡00û ADDRESS SET : (SSC-643 ADDRESS +1).

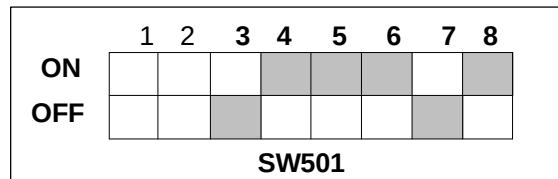
¡00û It is used to select 'SIZE' and 'POSITION' in Setup Menu.

(**MAIN MENU ** ¡æ CAMERA... ¡æ MOTION DET ON ¡æ AREA USER... or
 **MAIN MENU ** ¡æ VIDEO SET... ¡æ IRIS ALC... ¡æ AREA USER...)

8. PROTOCOL ID : 11

1) **Maker** : DIAMOND HALF

2) **Dip Switch** : Set 5,6,7,8 pin of SW501.(Protocol Select)



SW501 1~2 : RS-485 Termination (Refer to SCC-643 User's Manual)

3~4 : Baud Rate 9600 BPS.

3) Function

	DIAMOND CONTROLLER	SCC-643
	␣␣␣ # ␣ CTRL	CAMERA ADDR
1	Pan/Tilt/Zoom/Focus/Iris	Pan/Tilt/Zoom/Focus/Iris
2	#(0~90) ␣ PSHOT	Go to Preset (0 ~ 90)
3	PRGM ␣ #(0~90) ␣ ENTER	Save Preset (0 ~ 90)
4	91 ␣ PSHOT	Camera Menu
5	92 ␣ PSHOT	Menu Mode : Enter Key
6	93 ␣ PSHOT	␣␣␣
7	94 ␣ PSHOT	Alarm Reset
8	95 ␣ PSHOT	Scan
9	96 ␣ PSHOT	Auto Pan
10	97 ␣ PSHOT	Cam Reset
11	VSCAN ␣ #(1~3) ␣ ENTER	Pattern(1~3)
12	Joystick Up	Menu Mode : '␣' Key
13	Joystick Down	Menu Mode : '␣' Key
14	Joystick Left	Menu Mode : '␣' Key
15	Joystick Right	Menu Mode : '␣' Key

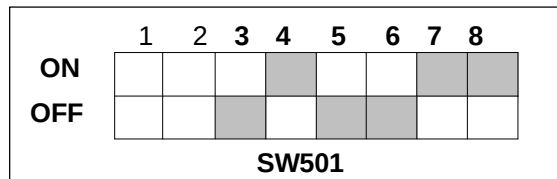
␣␣␣ ADDRESS SET : (SSC-643 ADDRESS +1).

␣␣␣ It is used to select 'SIZE' and 'POSITION' in Setup Menu.

(**MAIN MENU ** ␣ CAMERA... ␣ MOTION DET ON ␣ AREA USER... or
 **MAIN MENU ** ␣ VIDEO SET... ␣ IRIS ALC... ␣ AREA USER...)

9. PROTOCOL ID : 12

- 1) **Maker** : VCL HALF (VCLTP PROTOCOL)
 2) **Dip Switch** : Set 5,6,7,8 pin of SW501.(Protocol Select)



1~2 : RS-485 Termination (Refer to SCC-643 User's Manual)

3~4 : Baud Rate 9600 BPS.

3) Function

	VCL CONTROLLER	SCC-643
	¡00û# ¡æ CAM	CAMERA ADDR
1	Pan/Tilt/Zoom/Focus/Iris	Pan/Tilt/Zoom/Focus/Iris
2	#(0~118) ¡æ PRESET	Go to Preset (0 ~ 118)
3	hold PRESET ¡æ #(0~118) ¡æ Release PRESET	Save Preset (0 ~ 118)
4	119 ¡æ PRESET	Camera Menu
5	120 ¡æ PRESET	Menu Mode : Enter Key
6	121 ¡æ PRESET	Menu Mode: ¡00û
7	122 ¡æ PRESET	Pattern 1
8	123 ¡æ PRESET	Pattern 2
9	124 ¡æ PRESET	Pattern 3
10	125 ¡æ PRESET	Scan
11	126 ¡æ PRESET	Alarm Reset
12	127 ¡æ PRESET	Cam Reset
13	AUTO PAN (LED ON)	Auto Pan Start
14	AUTO PAN(LED OFF)	Auto Pan Stop
15	Joystick Up	Menu Mode: '¡è' Key
16	Joystick Down	Menu Mode: '¡é' Key
17	Joystick Left	Menu Mode: '¡ç' Key
18	Joystick Right	Menu Mode: '¡æ' Key

¡00ûADDRESS SET : (SSC-643 ADDRESS +1).

¡00û It is used to select 'SIZE' and 'POSITION' in Setup Menu.

(**MAIN MENU ** ¡æ CAMERA... ¡æ MOTION DET ON ¡æ AREA USER... or
 **MAIN MENU ** ¡æ VIDEO SET... ¡æ IRIS ALC... ¡æ AREA USER...)

10. PROTOCOL ID : 13, 14

- 1) **Maker** : PELCO-D HALF(13) / FULL(14)
 2) **Dip Switch** : Set 5,6,7,8 pin of SW501(Protocol Select).

PELCO-D **HALF** Duplex

	1	2	3	4	5	6	7	8
ON								
OFF								

SW501

PELCO-D **FULL** Duplex

	1	2	3	4	5	6	7	8
ON								
OFF								

SW501

SW501 1~2 : RS-485 termination (Refer to SCC-643 User's Manual)

3~4 : Baud Rate

Baud Rate	SW501-3	SW501-4
19200BPS	OFF	OFF
9600BPS	ON	OFF
4800BPS	OFF	ON
2400BPS	ON	ON

3) Function1

	CM6700 Matrix Switcher	SCC-643(P)
1	#(1~16);æCAM	Camera Address Set
2	PAN/TILT/ZOOM/FOCUS/IRIS	PAN/TILT/ZOOM/FOCUS/IRIS
3	Not Defined	Set Preset(1~90)
4	#(1~90);æPRST	Go To Preset(1~90)
5	Not Defined	Auto Pan On
6	Not Defined	Auto Pan Off
7	#(91);æPRST	Pattern 1
8	#(92);æPRST	Pattern 2
9	#(93);æPRST	Pattern 3
10	#(94);æPRST	Scan
11	#(95);æPRST	Menu On
12	#(96);æPRST	Menu Mode : Enter Key
13	#(97);æPRST	Menu Mode : ;00û
14	#(98);æPRST	Alarm Reset
15	#(99);æPRST	Camera Reset
16	Joystick Up	Menu Mode : ;è Key