

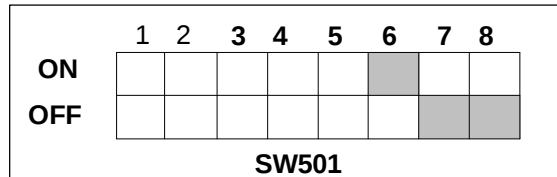
SCC-641N PROTOCOL FUNCTION TABLE

(Alarm Firmware 1.8)

1. PROTOCOL ID: 1

1) **Maker** : VICON

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



Refer to SCC-641 User's Manual

SW501 1~2 : RS-485 Termination

3~4 : Baud Rate

	SW501-4	SW501-5
19200BPS	OFF	OFF
9600BPS	ON	OFF
4800BPS	OFF	ON
1200BPS	ON	ON

3) Function

	VICON (VPS328, V1300X-DVC)	SCC-641
1	Pan/Tilt/Zoom/Focus/Iris	Pan/Tilt/Zoom/Focus/Iris
2	RUN MODE : PP ENTER ; # (1~89) ; PP ENTER	Go to Preset (1 ~ 89)
3	PGM MODE: PP ENTER ; # (1~89) ; PP ENTER	Save Preset (1 ~ 89)
4	RUN MODE : PP ENTER ; # (90) ; PP ENTER	Menu On/Off
5	RUN MODE : PP ENTER ; # (91) ; PP ENTER	Menu Mode : ENTER Key
6	RUN MODE : PP ENTER ; # (92) ; PP ENTER	Scan Start
7	RUN MODE : PP ENTER ; # (93) ; PP ENTER	Auto Pan Start
8	RUN MODE : PP ENTER ; # (94) ; PP ENTER	Pattern 1
9	RUN MODE : PP ENTER ; # (95) ; PP ENTER	Pattern 2
10	RUN MODE : PP ENTER ; # (96) ; PP ENTER	Pattern 3
11	RUN MODE : PP ENTER ; # (97) ; PP ENTER	Menu Mode: ;
12	RUN MODE : PP ENTER ; # (98) ; PP ENTER	Alarm Reset
13	RUN MODE : PP ENTER ; # (99) ; PP ENTER	Camera 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

1200 BPS is recommended when you install more than 256 cameras.

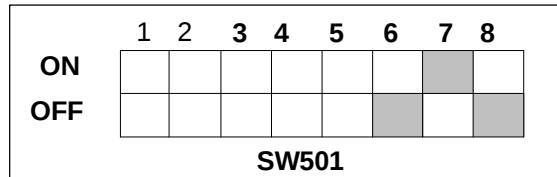
It is used to select 'SIZE' and 'POSITION' in Setup Menu.

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

2. PROTOCOL ID : 2

1) **Maker** : Panasonic

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



SW501 1~2 : RS-485 Termination (Refer to SCC-641 Owner's Instructions)

3 : HALF(OFF)/FULL(ON) Duplex. (Refer to SCC-641 Owner's Instructions)

4~5 :

	SW501-4	SW501-5
19200BPS	OFF	OFF
9600BPS	ON	OFF
4800BPS	OFF	ON
2400BPS	ON	ON

3) Function 1

	PANASONIC WV-CU161 Controller	SCC-641
1	CAM ADDR	CAMERA ADDR Select
2	Pan/Tilt/Zoom/Focus/Iris	Pan/Tilt/Zoom/Focus/Iris
3	#(1~60) Ꞥ 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 : Ꞥ
7	#(61) Ꞥ PRESET SET	Pattern 1
8	#(62) Ꞥ PRESET SET	Pattern 2
9	#(63) Ꞥ PRESET SET	Pattern 3
10	#(64) Ꞥ PRESET SET	Camera Reset
11	#(1) Ꞥ AUTO	Auto Pan
12	#(2) Ꞥ AUTO	Scan
13	#(3) Ꞥ AUTO	Alarm Reset
14	Joystick Up (2)	Menu Mode: 'Ꞥ' Key
15	Joystick Down (8)	Menu Mode: 'Ꞥ' Key
16	Joystick Left (4)	Menu Mode: 'Ꞥ' Key
17	Joystick Right (6)	Menu Mode: 'Ꞥ' Key

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

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

4) Function 2

	PANASONIC WV-CU550C Matrix Switcher	SCC-641
1	CAM ADDR	CAMERA ADDR Select
2	Pan/Tilt/Zoom/Focus/Iris	Pan/Tilt/Zoom/Focus/Iris
3	#(1 ~ 54) ;æ Preset/AF	Go to Preset (1 ~ 54)
4	CameraSetup Menu(D4) ;æ F1 #(55) ;æ Preset/AF	Camera Menu On/Off
5	CAM(SET) #(56) ;æ Preset/AF	Menu Mode : Enter Key
6	ESC #(57) ;æ Preset/AF	Menu Mode : ;æ
6	Pan Action(B1) ;æ F1 #(58) ;æ Preset/AF	Auto Pan
7	Pan Action(B1) ;æ 2 ;æ F1 #(59) ;æ Preset/AF	Scan
8	#(60) ;æ Preset/AF	Alarm Reset
9	PatrolLearn(B4) ;æ F1 #(61) ;æ Preset/AF	Pattern 1
10	#(62) ;æ Preset/AF	Pattern 2
11	#(63) ;æ Preset/AF	Pattern 3
12	#(64) ;æ Preset/AF	Cam Reset...
13	Joystick Up (2)	Menu Mode: ' ;æ' Key
14	Joystick Down (8)	Menu Mode: ' ;æ' Key
15	Joystick Left (4)	Menu Mode: ' ;æ' Key
16	Joystick Right (6)	Menu Mode: ' ;æ' Key

5) Function3

	Dedicated Micros Sprite2 Network Viewer / Controller	SCC-641
1	DM Sprite2 Input Ch.	CAMERA ADDR Select
2	Pan/Tilt/Zoom/Focus/Iris	Pan/Tilt/Zoom/Focus/Iris
3	Preset ;æ #(1 ~ 36)	Go to Preset (1 ~ 54)
4	* ;æ Menu Preset ;æ #(37)	Camera Menu On/Off
5	Enter Preset ;æ #(38)	Menu Mode : Enter Key
6	AUTO PAN Icon(Button)	Auto Pan
7	PATROL Icon(Button)	Pattern 1
8	Joystick Up (2)	Menu Mode: ' ;æ' Key
9	Joystick Down (8)	Menu Mode: ' ;æ' Key
10	Joystick Left (4)	Menu Mode: ' ;æ' Key
11	Joystick Right (6)	Menu Mode: ' ;æ' Key

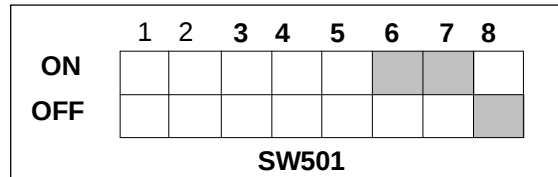
① It is used to select 'SIZE' and 'POSITION' in Setup Menu.

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

3. PROTOCOL ID : 3

1) **Maker** : AD

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



¡0 Refer to SCC-641 Owner's Instructions.

SW501 1~2 : RS-485 Termination

3 : HALF(OFF)/FULL(ON) Duplex.

4~5 : Baud Rate

3) Function

	AD CONTROLLER	SCC-641
1	¡00uCAM 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	Menu Mode : Enter Key
11	Focus Near	Menu Mode : ¡00ü
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

¡00u ADDRESS SET : (SSC-641 ADDRESS +1).

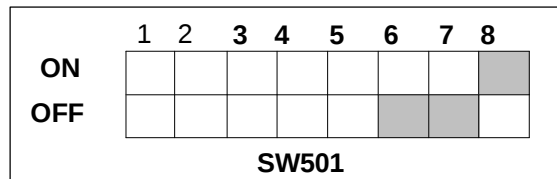
¡00ü It is used to select 'SIZE' and 'POSITION' in Setup Menu.

(**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 : 4

1) **Maker** : Philips

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



∅ Refer to SCC-641 Owner's Instructions.

SW501 1~2 : RS-485 termination

3 : HALF(OFF)/FULL(ON) Duplex.

4~5 : Baud Rate.

	SW501-4	SW501-5
38400BPS	OFF	OFF
9600BPS	ON	OFF
2400BPS	OFF	ON
1200BPS	ON	ON

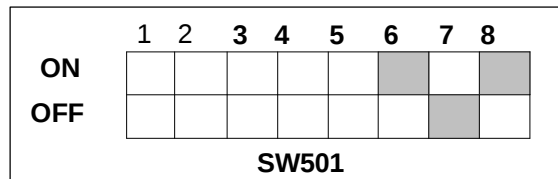
3) Function

	LTC8200/50, LTC5136/60, LTC5138	SCC-641
1	PAN/TILT/ZOOM/FOCUS/IRIS	Pan/Tilt/Zoom/Focus/Iris
2	SET ∅ # (1~22) ∅ ENTER	Set Preset(1~22)
3	SHOT ∅ # (1~22) ∅ ENTER	Go To Preset(1~22)
4	SHOT ∅ # (23) ∅ ENTER	Menu On
5	SHOT ∅ # (24) ∅ ENTER	Menu Mode : Enter Key
6	SHOT ∅ # (25) ∅ ENTER	Menu Mode : ∅∅∅
7	SHOT ∅ # (26) ∅ ENTER	Pattern 1
8	SHOT ∅ # (27) ∅ ENTER	Pattern 2
9	SHOT ∅ # (28) ∅ ENTER	Pattern 3
10	SHOT ∅ # (29) ∅ ENTER ON ∅ # (8) ∅ ENTER	Scan
11	SHOT ∅ # (30) ∅ ENTER ON ∅ # (2) ∅ ENTER	Auto Pan
12	SHOT ∅ # (31) ∅ ENTER	Alarm Reset
13	SHOT ∅ # (32) ∅ ENTER	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

5. PROTOCOL ID : 5

1) **Maker** : PELCO-P

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



SW501 1~2 : RS-485 termination (Refer to SCC-641 User's Manual)

3 : Half(OFF)Duplex.

4~5 : Baud Rate

	SW501 - 4	SW501 - 5
19200BPS	OFF	OFF
9600BPS	ON	OFF
4800BPS	OFF	ON
2400BPS	ON	ON

3) Function1

	CM6700 Matrix Switcher	SCC-641
1	#(1~16);æCAM	Camera Address Set
2	PAN/TILT/ZOOM/FOCUS/IRIS	PAN/TILT/ZOOM/FOCUS/IRIS
3	#(1~90);æPRESET(hold for two seconds)	Set Preset(1~90)
4	#(1~90);æPRESET	Go To Preset(1~90)
5	#(99);æPRESET	Auto Pan On
6	#(96);æPRESET	Auto Pan Off
7	#(91);æPRESET or PATTERN	Pattern 1
8	#(92);æPRESET	Pattern 2
9	#(93);æPRESET	Pattern 3
10	#(98);æPRESET	Scan
11	#(95);æPRESET	Menu On
12	IRIS OPEN	Menu Mode : Enter Key
13	IRIS CLOSE	Menu Mode : ;00û
14	#(97);æPRESET	Alarm Reset
15	#(94);æPRESET	Camera Reset
16	Joystick Up	Menu Mode : ;èKey
17	Joystick Down	Menu Mode : ;éKey
18	Joystick Left	Menu Mode : ;çKey
19	Joystick Right	Menu Mode : ;æKey

;00ûIt 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) Function2

	CM6800 Matrix Switcher	SCC-641
1	#(1~48);æCAM	Camera Address Set
2	PAN/TILT/ZOOM/FOCUS/IRIS	PAN/TILT/ZOOM/FOCUS/IRIS
3	DEF;æPRST;æ#(1~90);æENTER	Set Preset(1~90)
4	PRST;æ#(1~90);æENTER	Go To Preset(1~90)
5	PRST;æ#(99);æENTER	Auto Pan On
6	PRST;æ#(96);æENTER	Auto Pan Off
7	PRST;æ#(91);æENTER	Pattern 1
8	PRST;æ#(92);æENTER	Pattern 2
9	PRST;æ#(93);æENTER	Pattern 3
10	PRST;æ#(98);æENTER	Scan
11	PRST;æ#(95);æENTER	Menu On
12	IRIS OPEN	Menu Mode : Enter Key
13	IRIS CLOSE	Menu Mode : ;00û
14	PRST;æ#(97);æENTER	Alarm Reset
15	PRST;æ#(94);æENTER	Camera Reset
16	Joystick Up	Menu Mode : ;è Key
17	Joystick Down	Menu Mode : ;é Key
18	Joystick Left	Menu Mode : ;ç Key
	Joystick Right	Menu Mode : ;æ Key

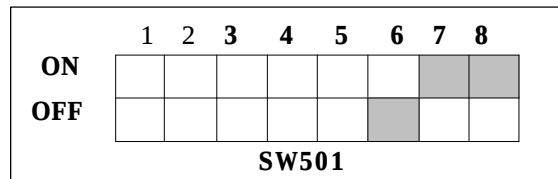
5) Function 3

	Dedicated Micros Sprite2 Network Viewer / Controller	SCC-641
1	DM Sprite2 Input Ch.	CAMERA ADDR Select
2	Pan/Tilt/Zoom/Focus/Iris	Pan/Tilt/Zoom/Focus/Iris
3	Preset ;æ # (1 ~ 90)	Go to Preset (1 ~ 54)
4	* ;æ Menu Preset ;æ # (95)	Menu On
5	Preset ;æ # (95)	Menu Off
6	IRIS OPEN	Menu Mode : Enter Key
7	IRIS CLOSE	Menu Mode : ;00û
8	AUTO PAN Icon(Button)	Auto Pan
9	PATROL Icon(Button)	Pattern 1
10	Joystick Up (2)	Menu Mode: ';è Key
11	Joystick Down (8)	Menu Mode: ';é Key
12	Joystick Left (4)	Menu Mode: ';ç' Key
13	Joystick Right (6)	Menu Mode: ';æ' Key

6. PROTOCOL ID : 6

1) **Maker** : KALATEL

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



Refer to SCC-641 User's Manual

SW501 1~2 : RS-485 termination

3 : HALF(OFF)/FULL(ON) Duplex.

4~5 : BAUD RATE.

3) **Function**

	KALATEL	SCC-641
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 : $\downarrow$ Key
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 : $\uparrow$ Key
15	Joystick Down	Menu Mode : $\downarrow$ Key
16	Joystick Left	Menu Mode : $\leftarrow$ Key
17	Joystick Right	Menu Mode : $\rightarrow$ Key

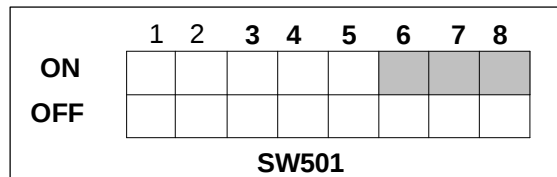
$\downarrow$ Key is used to select 'SIZE' and 'POSITION' in Setup Menu.

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

7. PROTOCOL ID : 7

1) **Maker** : PELCO-D

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



SW501 1~2 : RS-485 termination (Refer to SCC-641 User's Manual)

3 : Half(OFF)Duplex.

4~5 : Baud Rate

	SW501 - 4	SW501 - 5
19200BPS	OFF	OFF
9600BPS	ON	OFF
4800BPS	OFF	ON
2400BPS	ON	ON

3) Function1

	CM6700 Matrix Switcher	SCC-641
1	#(1~16);æCAM	Camera Address Set
2	PAN/TILT/ZOOM/FOCUS/IRIS	PAN/TILT/ZOOM/FOCUS/IRIS
3	#(1~90);æPRESET(hold for two seconds)	Set Preset(1~90)
4	#(1~90);æPRESET	Go To Preset(1~90)
5	#(99);æPRESET	Auto Pan On
6	#(96);æPRESET	Auto Pan Off
7	#(91);æPRESET or PATTERN	Pattern 1
8	#(92);æPRESET	Pattern 2
9	#(93);æPRESET	Pattern 3
10	#(98);æPRESET	Scan
11	#(95);æPRESET	Menu On
12	IRIS OPEN	Menu Mode : Enter Key
13	IRIS CLOSE	Menu Mode : æ
14	#(97);æPRESET	Alarm Reset
15	#(94);æPRESET	Camera Reset
16	Joystick Up	Menu Mode : æ Key
17	Joystick Down	Menu Mode : æ Key
18	Joystick Left	Menu Mode : æ Key
19	Joystick Right	Menu Mode : æ Key

4) Function2

	CM6800 Matrix Switcher	SCC - 641
1	#(1~48);æCAM	Camera Address Set
2	PAN/TILT/ZOOM/FOCUS/IRIS	PAN/TILT/ZOOM/FOCUS/IRIS
3	DEF;æPRST;æ#(1~90);æENTER	Set Preset(1~90)
4	PRST;æ#(1~90);æENTER	Go To Preset(1~90)
5	PRST;æ#(99);æENTER	Auto Pan On
6	PRST;æ#(96);æENTER	Auto Pan Off
7	PRST;æ#(91);æENTER	Pattern 1
8	PRST;æ#(92);æENTER	Pattern 2
9	PRST;æ#(93);æENTER	Pattern 3
10	PRST;æ#(98);æENTER	Scan
11	PRST;æ#(95);æENTER	Menu On
12	IRIS OPEN	Menu Mode : Enter Key
13	IRIS CLOSE	Menu Mode : ;00û
14	PRST;æ#(97);æENTER	Alarm Reset
15	PRST;æ#(94);æENTER	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

;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...)