

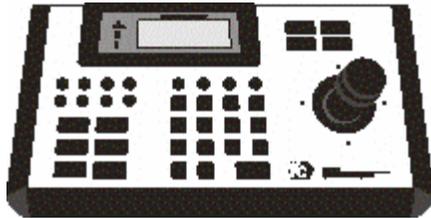
Dear Customer!

By selecting this VC product you have chosen a professional device, which guarantees highest possible quality and reliability.

Please read the following instructions carefully before commissioning the product in order to be able to take full advantage of all quality features regarding this product line.

System Keyboard

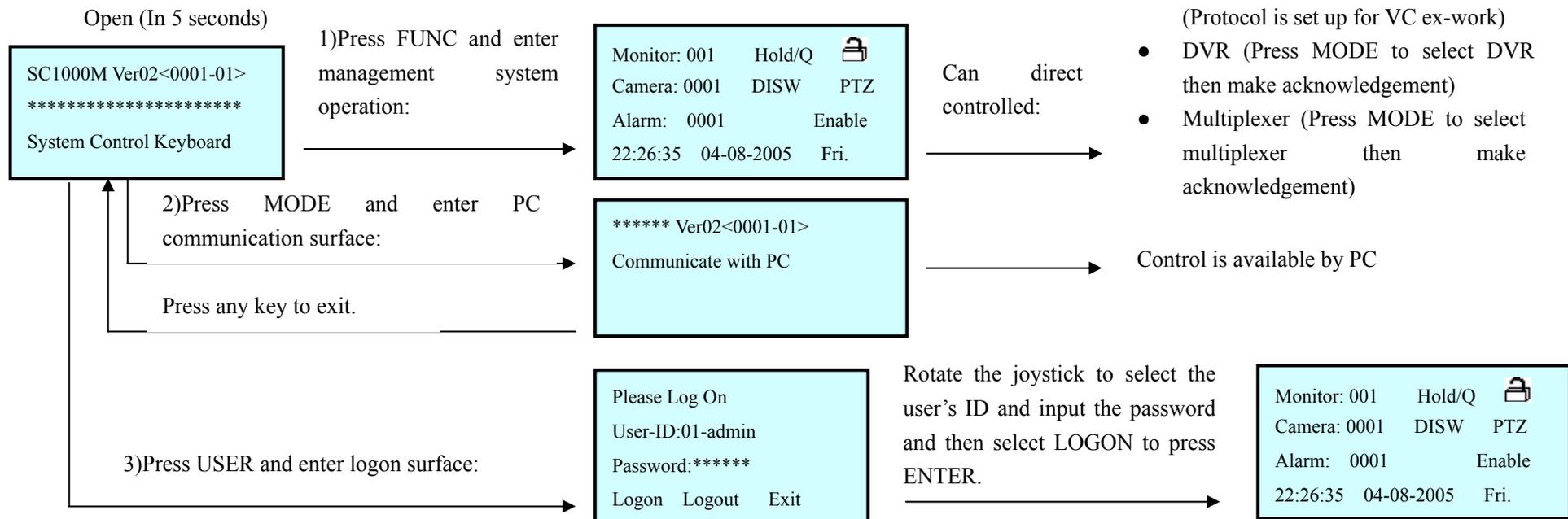
Art. no. 14381



Simplified Illustration of Operation of System Controller

VC-SC1000M

- Matrix switcher
- Intelligent high-speed dome camera (Protocol is set up for VC ex-work)
- DVR (Press MODE to select DVR then make acknowledgement)
- Multiplexer (Press MODE to select multiplexer then make acknowledgement)



NOTE:

- Administrative authority of No.1 user has been set up ex-works. Password: 012345. (Other user's ID has not been set up, which can not logon.)
- For the security, please alter the authority of No. user for operator after mastering the operation of the controller.
- so as to prevent non-administrator from logon by pressing rapid key FUNC or entering the menu by false operation to after the data of the controller.
- Remember that before alteration of the authority of No.1 user other No.of user should be set up otherwise entering the menu is unavailable. At that time, perform initialization of the controller to recover the default administrative authority.

Menu Setting

```

Monitor: 001   Hold/Q   [Icon]
Camera: 0001  DISW     PTZ
Alarm: 0001           Enable
22:26:35  04-08-2005  Fri.
  
```

Press MENU and enter the menu surface:

```

1. System-Capacity
2. Manage-Users
3. Keyboard-ID   4.Set-time

Next. >         Off.Exit
  
```

```

5.DVR/MULTI     6.Cam-PROT
7.Set Baud Rate  8.Set RF
9.Recover Default Info

Prev. <         Off.Exit
  
```

1、 System-Capacity: Set up the largest capacity of controller cameras, monitors and alarms for the controller, which will limit directly the following relevant data setting.

```

MON-Capacity: 239
CAM-Capacity: 9999
ALM-Capacity: 9999

On.Save  Off.Exit
  
```

2、 Manage-Users: Set up the new user, password and its authority.

```

User-ID: 01-ADMIN
Password: 123456
Authority: ADMI   Level: A

Next.>         Off.Exit
  
```

```

MON-Range:000-239  A>
CAM-Range:0000-9999  A>
ALM-Range:0000-9999  A>
Prev.<  Save  Off.Exit
  
```

More groups can be setup in each item.

3、 Keyboard-ID: Set up the controller's ID, which is used recognize the controllers on bus of the matrix. It is possible not to set up the same ID of the controller on the bus.

```

Set Key-ID: 01(01-32)
Save         off. Exit
  
```

4、 Set-time: Set up time, week and date, which will be transmitted to the matrix after exit of the menu.

```

Set-time:

HO : MI : SE  MO-DA-Year  WEEK

22 : 26 : 35  04-08-2005  Fri
  
```

5、 DVR/MULTI: Select the control protocol of DVR of Multiplexer.

DVR: Select the protocol for the current DVR.

Protocol of VC, HIK has been set up ex-work. Default protocol is HIK. If any other protocol of DVR is required. Please contact the supplier.

MULTI: Select the protocol of the current multiplexer. Default protocol is VC. If any other protocol of multiplexer is required. Please contact the supplier.

Set DVR :

6、 Cam-PROT: Select the control protocol of camera.

Protocol of VC, Pelco-P, Pelco-D, Panasonic, Samsung has been set up ex-works.

If any other protocol of camera is required. Please contact the supplier.

Set Cam Protocol:
 For All Camera: **
 Camera: 0001 **
 Save Off. Exit

→ All camera protocol
 → One camera protocol

7、 Set Baud Rate: Set up band rate of external communication for the controller. 5 kinds of baud rate from 1200BPS to 19200BPS can be selected. Default baud rate is 9600BPS.

NOTE: The a.m. setting will get into effect after restart. Other setting becomes effect.

Set Baud Rate:
 9600 Save Off.Exit

1200BPS to

8、 Set RF: Set up wireless alarm and relay.

P/D-Alarm:0001
 Camera:0001 Monitor:001
 Prepoint:001 OT:3 CT:3
 On.Save Off.Exit CLR.INI

Press SET and enter protocol surface of link-alarm.

Press SHOT and enter relay surface.

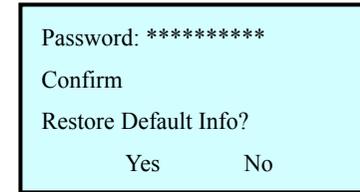
Alarm:0001
 Cam Protocol: **
 Baud Rate: 9600
 On.Save Off.Exit

Alarm:0001
 Relay Num: 001 002 003
 004
 On.Save Off.Exit

NOTE:

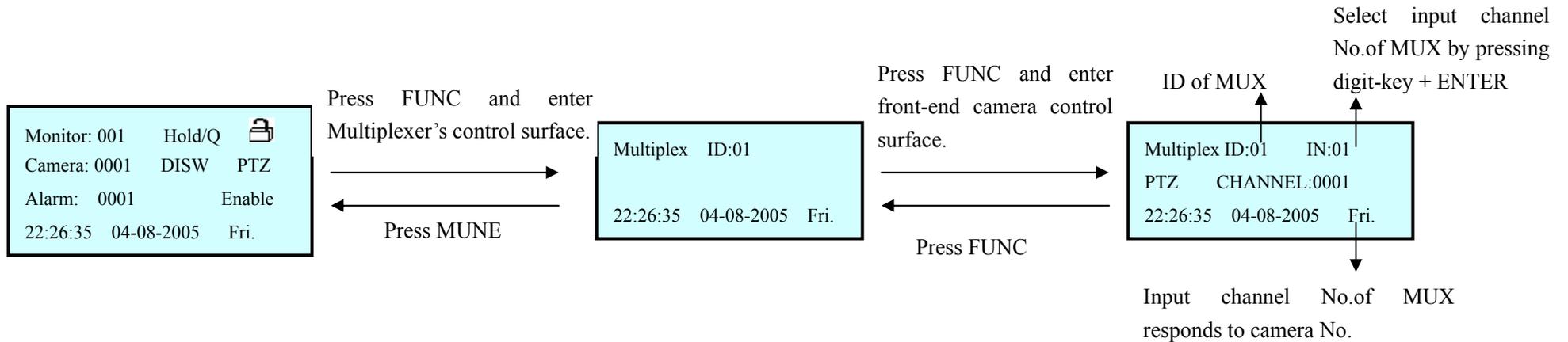
- The a.m. setting can be performed by connection of front-end device. Other wise date can not read. Press any key to exit “Reading”.
- Under the state of No.2 main menu, press SHOT an enter the relay surface.

9、 Restore Default Info: Recover default setting by password: 0123456789.

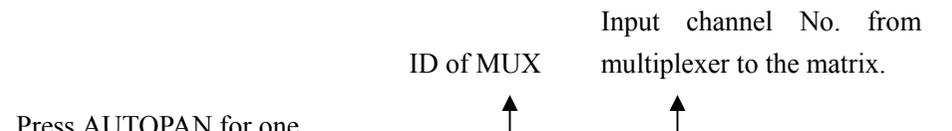


Multiplexer

1、 Press FUNC to switch multiplexer’s operating surface or front-end camera control surface.

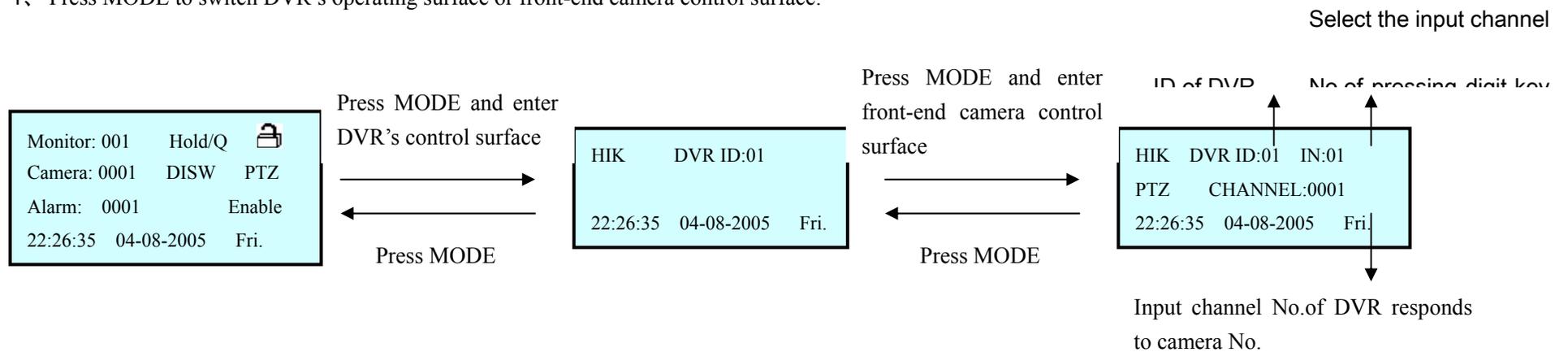


2、 Under the state of multiplexer, press AUTOPAN to select ID of the current multiplexer. One who has administrative authority can set up the input channel No.of multiplexer corresponding to front-end cameras.

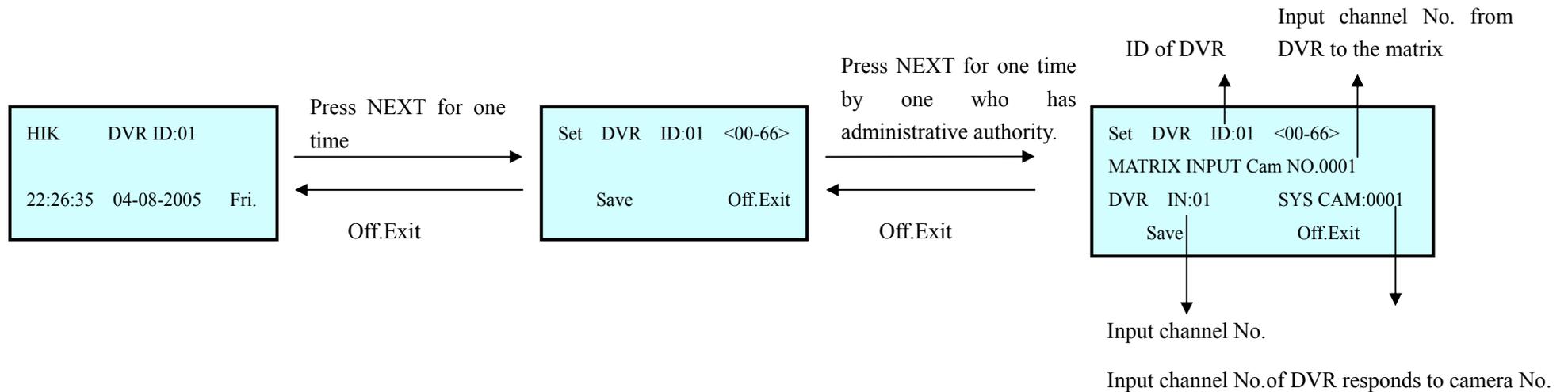


DVR

1、 Press MODE to switch DVR's operating surface or front-end camera control surface.



2、 Under the state of DVR, press NEXT to select ID of the current DVR. One who has administrative authority can set up the input channel No.of DVR corresponding to front-end cameras.



Inquiry Protocol of the Current Camera

Under the state of non-setting, press SET + CAM to display ID, control protocol and baud rate of external communication of the current camera. Press any key to exit.

Current Camera: 0001
Cam Protocol: Pelco-D
Current Baud Rate: 9600

Other

There are three indicators (red, yellow, green) on the controller.

The red indicates the power, the yellow indicates receiving signal, the green indicates emitting signal.

The red will light when power is on, others will be glittering when the signal is received or emitted.

The movement up, down, left, right of the joystick can control the relevant action of the cameras. Rotate the joystick to control the zoom of lens.

Camera protocol and baud rate are arranged in pairs as follows:
(Details see operation manual of the camera)

Pelco-P	————→	2400bps/4800bps/9600bps/19200bps
Pelco-D	————→	2400bps/4800bps/9600bps/19200bp
**	————→	9600bps
Panasonic	————→	9600bps
Samsung	————→	9600bps

Description of Operation Keys of the Controller for VC Matrix for VC User

No.	Keys of the controller	Usage
1)	MON+N+ENTER	Select monitor(N=0~239)
2)	CAM+N+ENTER	Select camera
3)*	ON+MON+N+ENTER	--N=0:Set up defence of current alarm
		--N=1:Date&Time Display_On
		--N=2:Address Info Display_On
4)*	OFF+MON+N+ENTER	--N=0:Dismantle defence of current alarm
		--N=1:Date&Time Display_Off
		--N=2:Address Info Display_Off
5)	GRP+N+ENTER	Access switching mode
		--N=1~128: Program_Mode
		--N=129: Sequence_Mode
		--N=130: BackWard_Mode
		--N=131~134:Group_Mode
6)*	CAM+N+ON	Insert camera in auto switching
7)*	CAM+N+OFF	Delete camera in auto switching
8)*	MON+N+RUN	Set up the dwell time of auto switching
9)	RUN	Run auto switching
10)	HOLD	Hold auto switching
11)	PREV	Manual previous switching
12)	NEXT	Manual next switching
13)*	ALM+N+ON	Set up defence of alarm
14)*	ALM+N+OFF	Dismantle defence of alarm
15)	ALM+N+ENTER	Query alarm status
16)*	AUX+N+ON	Open auxiliary relay
17)*	AUX+N+OFF	Close auxiliary relay
18)	AUX+MON+OFF	Lock current monitor
19)	AUX+MON+ON	Unlock current monitor
20)*	ON+N+ENTER	Close Relay No. n
21)*	OFF+N+ENTER	Open Relay No. n
22)	STAR(*)	Reply alarm info, etc
23)	SHOT+MON+N+ENTER	Access switching mode
24)*	MON+MENU	Enter Menu
25)*	MON+ENTER	Enter Sub Menu
NOTE:	One who has authority of management can set up.	

Description of Operation Keys of the Controller for VC Camera for VC User

No.	Keys of the controller	Usage
1) *	SET+N+ENTER	Set preset N
2)	SHOT+N+ENTER	Go To Preset N(N=0:Start Sequence Prepos)
3)*	SET+N+ON	Insert Prepos In Stack
4)*	SET+N+OFF	Delete Prepos From Stack
		--N=0: Delete all Prepos From Stack
5)*	SET+N+SET	Set Stack Dwell time
6)*	SET+ON	Set up AUTO_PANING Start LIMIT
7)*	SET+OFF	Set up AUTO_PANING End LIMIT
8)*	SET+N+SHOT	Set up speed of AUTO_PANING(N=1~9)
9)	AUTOPAN	Run AUTOPAN
10)	ON+CAM+ENTER	Unlock current camera
11)	OFF+CAM+ENTER	Lock current camera
12)*	ON+CAM+N+ENTER	Open CAM Auxiliary
13)*	OFF+CAM+N+ENTER	Close CAM Auxiliary
		--N=0:Set up/Dismantle terminal alarm
		--N=1 ~ 8:Open/Close auxiliary Switch
		--N=9:Auto/Manual Focus
For 12)&13)		--N=10:Auto/Manual Iris
14)*	CAM+MENU	Enter Camera Menu
15)	CLOSE+N (simultaneously)	CLOSE @ Speed N(N=1~9)
16)	OPEN+N (simultaneously)	OPEN @ Speed N(N=1~9)
17)	NEAR+N (simultaneously)	NEAR @ Speed N(N=1~9)
18)	FAR+N (simultaneously)	FAR @ Speed N(N=1~9)
19)	TELE+N (simultaneously)	TELE @ Speed N(N=1~9)
20)	WIDE+N (simultaneously)	WIDE @ Speed N(N=1~9)
21)	SET+N+CLOSE+ENTER	Set Close Speed N(1~9)
22)	SET+N+OPEN+ENTER	Set Open Speed N(1~9)
23)	SET+N+NEAR+ENTER	Set Near Speed N(1~9)
24)	SET+N+FAR+ENTER	Set Far Speed N(1~9)
25)	SET+N+TELE+ENTER	Set Tele Speed N(1~9)
26)	SET+N+WIDE+ENTER	Set Wide Speed N(1~9)
NOTE:	One who has authority of management can set up.	

Description of Operating Keys for Pelco-p & Pelco-d

No.	Keys of the controller	Usage
1)	SET+N+ENTER	Set Preset
2)	CLR+N+ENTER	Clear Preset
3)	SHOT+N+ENTER	Go To Preset
		--N=1~32:PRESET
		--N=33: Flip (180° about)
		--N=34: Go To Zero Pan
		--N=92: Set Left Limit Stop
		--N=93: Set Right Limit Stop
		--N=94: Remote Reset
		--N=95: Enter Menu Mode
		--N=96: Stop Scan
		--N=97: Begin Random Scan
		--N=98: Begin Frame Scan
--N=99: Begin Auto-scan		
4)	N+ON	Set Auxiliary
5)	N+OFF	Clear Auxiliary
6)	SET+CLR+ENTER	Remote Reset
7)	SET+N+ON	Set Zone Start
8)	SET+N+OFF	Set Zone End
9)	CLR+OFF	Clear Screen
10)	AUX+ON	Zone Scan On
11)	AUX+OFF	Zone Scan Off
12)	SET+ON	Set Pattern Start
13)	SET+OFF	Set Pattern Stop
14)	CAM+RUN	Run Pattern
15)	SET+N+ZOOM	Set Zoom Speed (N=0~3)
16)	SET+N+FOCUS;	Set Focus Speed(N=0~3)
17)	SET+RUN	Start Sequence Prepos
18)	ON+N+SET	Insert Prepos In Stack
19)	CLEAR+N+SET	Delete Prepos From Stack
20)*	OFF+SET	Clear Seq. Stack
21)	SHOT+SET	Show Seq. Stack
22)	SET+N+SET;	Sequence dwell time(N=0~255)
23)*	ON+N+OFF	Home function
24)	SET+N+AUTOPAN	AUTO_PANING SPEED(N=0~255)
25)	ON+N+AUTOPAN	AUTO_PANING LIMIT(1LEFT/2RIGHT)
26)	AUTOPAN	AUTO_PANING START

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27)	SET+AUTOPAN+N+ENTER	SET TILT SPEED(N=0~255)
28)	SET+SET+AUTOPAN+N+ENTER	SET PAN SPEED(N=0~255)
		(MUST SET PAN_SPEED FIRST THEN TILT_SPEED)
29)	CAM+ON	CAMERA ON
30)	CAM+OFF	CAMERA OFF
31)	ON+AUTOPAN	AUTO SCAN
32)	OFF+AUTOPAN	MANUAL SCAN
NOTE:	1. One who has authority of management can set up.	
	2. The protocol of non-original Pelco products is not as same as above protocol. Please refer to the dome camera manual.	

Description of Operating Keys for DVR of VC

Keys of the controller	Usage	Display
CLOSE/DEL	Delete	DEL
ALM	Record	RECORD
ON	Play	PLAYBACK
SET	Set up	SETUP
SHOT	Back up	BACKUP
NEAR	Format	PIC_FORMAT
1	1	D1
2	2	D2
3	3	D3
4	4	D4
5	5	D5
6	6	D6
7	7	D7
8	8	D8
9	9	D9
0	0	D0
FAR	Switching	PIC_LOOP
MON	Chinese	CHINA
CAM	point	POINT
WIDE/PgUp	Previous page	PAGEUP
TELE/PgDn	Next page	PAGEDOWN
Joystick UP	Up	UP
Joystick DOWN	Down	DOWN
Joystick LEFT	Left	LEFT
Joystick RIGHT	Right	RIGHT
OPEN/BACK	Return	BACK
ENTER	Acknowledgment	ENTER
AUX	Frame progress	FRAME
OFF	Fast forward	FORWARD
GRP	Fast reword	BACKWARD
AUTOPAN	Pause	PAUSE
CLR	Alarm clear	ALARM_CLEAR
*	Information	INFO
HOLD	lock	LOCK

Description of Operating Keys for DVR of HIK

Keys of the controller	Usage	Display
Joystick UP	Up	UP
Joystick DOWN	Down	DOWN
Joystick LEFT	Left	LEFT
Joystick RIGHT	Right	RIGHT
0+1	1	1
0+2	2	2
0+3	3	3
0+4	4	4
0+5	5	5
0+6	6	6
0+7	7	7
0+8	8	8
0+9	9	9
1+0	10	10
1+1	11	11
1+2	12	12
1+3	12	13
1+4	14	14
1+5	15	15
1+6	16	16
AUTOPAN	Editing	EDIT
PREV	Multiples display	VIEW
AUX	Display channels of camera inputs of DVR	A
ON	Play	PLAY
ALM	Record	REC
CAM	P/T control	PAN
SET	System menu	MENU
Joystick UP	Alter setting	UP
Joystick DOWN		DOWN
Joystick LEFT	Select items of setting	LEFT
Joystick RIGHT		RIGHT
ENTER	Acknowledgement	ENTER
CLEAR	Exit	ESC

Description of Operating Keys for Multiplexer of ROBOT

Keys of the controller	Usage	Display
UP	Up	UP
DOWN	Down	DOWN
LEFT	Decrease	DEC
RIGHT	Increase	INC
ENTER	Acknowledgement	ENTER
CLEAR	Exit	EXIT
SET	Menu	MENU
RUN	Picture in picture	PIP
MON	Call back	CALL
NEXT	Switching	SEQ
CLOSE	Play	PLAY
TELE	Zoom	ZOOM
HOLD	Frozen	FROZEN
OPEN	2*2	2*2
FAR	3*3	3*3
WIDE	4*4	4*4
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
*	Chooses digit	--/-

**Note: Under the mode of multiplexer, there are 16 frames of pictures.
Press '*' to select unit frame. Press '**' to select Two-digits frames.**

Description of Operating Keys for Intelligent Dome Camera of SAMSUNG

No.	Keys of the controller	Usage
1)	0+ENTER	K_0
2)	1+ENTER	K_1
3)	2+ENTER	K_2
4)	3+ENTER	K_3
5)	4+ENTER	K_4
6)	5+ENTER	K_5
7)	6+ENTER	K_6
8)	7+ENTER	K_7
9)	8+ENTER	K_8
10)	9+ENTER	K_9
11)	ON+GRP	SCAN_START
12)	OFF+GRP	SCAN_STOP
13)*	ON+SET	MENU_ON
14)*	OFF+SET	MENU_OFF
15)	ENTER	ENTER
16)	SHOT+N+ENTER	PRESET_MOVE(N=0~127)
17)	ON+AUTOPAN	AUTOPAN_START
18)	OFF+AUTOPAN	AUTOPAN_STOP
19)	ON+N+AUX	PATTERN_START(N=0~3)
20)	OFF+N+AUX	PATTERN_STOP(N=0~3)
21)	0+CLEAR+SET	RESET
22)	100+CLEAR+SET	FACTORY_RESET
23)	SET+N+ENTER	PRESET_SAVE(N=0~127)
24)	CLEAR+N+ENTER	PRESET_DELETE(N=0~127)
25)	1+FAR	ONE FAR
NOTE:	One who has authority of management can set up.	

Description of Operating Keys for Intelligent Dome Camera of PANASONIC

NO	Keys of the controller	Usage	Function
1	SHOT+N+ENTER	PRESET 1 CALL	PRESET CALL
		PRESET 2 CALL	
		~	
		PRESET 63 CALL	
		PRESET 64 CALL	
2	ON+AUTOPAN	AUTO PAN ON	AUTO PAN
3	OFF+AUTOPAN	AUTO PAN OFF	
4*	1+AUTOPAN	AUTO PAN SPEED INC	
5*	2+AUTOPAN	AUTO PAN SPEED DEC	
6*	3+AUTOPAN	AUTO PAN START POINT SET	
7*	4+AUTOPAN	AUTO PAN END POINT SET	
8*	5+AUTOPAN	AUTO MODE OFF	
9*	6+AUTOPAN	AUTO SEQ ON	
10*	7+AUTOPAN	AUTO SORT ON	
11*	8+AUTOPAN	AUTO PAN SWEEP AREA INVERT	
12*	1+ON	ENDLESS ON	ENDLESS
13*	1+OFF	ENDLESS OFF	
14*	2+ON	DIGITAL FLIP ON	DIGITAL FLIP
15*	2+OFF	DIGITAL FLIP OFF	
16*	3+ON	PROPORTIONAL P/T ON	PROPO . P/T
17*	3+OFF	PROPORTIONAL P/T OFF	
18	4+ON	SUPER-DII ON	SUPER-DII
19	4+OFF	SUPER-DII OFF	
20*	5+ON	STOP AF ON (MENU ITEM)	AF
21*	5+OFF	STOP AF OFF (MENU ITEM)	
22*	5+SHOT	1 SHOT AF ON (START)	
23*	6+ON	HOME POSITION MOVE	HOME POSITION
24*	7+ON	BW ON (MENU ITEM)	BW
25*	7+OFF	BW OFF (MENU ITEM)	
26*	7+SET	BW AUTO (MENU ITEM)	
27*	8+ON	CAMERA ID ON	CAMERA ID
28*	8+OFF	CAMERA ID OFF	

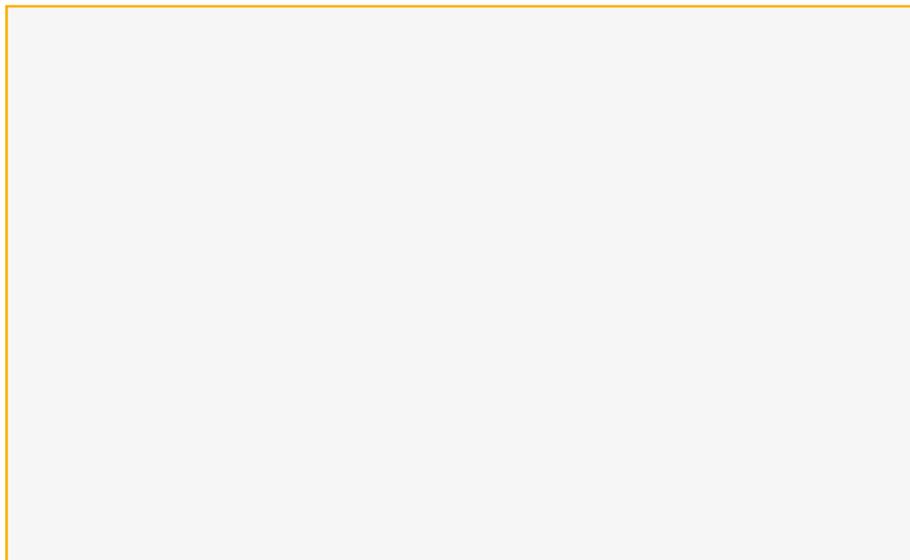
Simplified Illustration of Operation of System Controller VC-SC1000M

29*	9+ON+SET	AREA TITLE NESW ON	AREA TITLE
30*	9+ON_SHOT	AREA TITLE USER ON	
31*	9+OFF	AREA TITLE OFF	
32*	10+ON	EL-ZOOM ON	EL-ZOOM
33*	10+OFF	EL-ZOOM OFF	
34*	11+ON	REFRESH	REFRESH
35*	SET+N+ENTER	PRESET1 SET	PRESET STORE
		PRESET2 SET	
		~	
		PRESET63 SET	
		PRESET64 SET	
36	12+ON	PATROL PLAY	PATROL
37	12+OFF	PATROL STOP	
38*	12+SET	PATROL LEARN	
39	OPEN	IRIS OPEN	IRIS
40	CLOSE	IRIS CLOSE	
41	IRIS+FREE	IRIS STOP	
42*	0+IRIS	IRIS RESET	
43	13+ON	SHUTTER ON	SHUTTER
44	13+OFF	SHUTTER OFF	
45	13+TELE	SHUTTER INC	
46	13+WIDE	SHUTTER DEC	
47	14+ON	AGC ON	
48	14+OFF	AGC OFF	AGC
49*	15+ON	SENS UP FIX ON	SENS UP FIX
50*	15+OFF	SENS UP FIX OFF	
51*	15+TELE	SENS UP FIX INC	
52*	15+WIDE	SENS UP FIX DEC	
53*	16+ON	SENS UP AUTO ON	SENS UP AUTO
54*	16+OFF	SENS UP AUTO OFF	
55*	16+TELE	SENS UP AUTO INC	
56*	16+WIDE	SENS UP AUTO DEC	
57*	17+TELE	LL Phase INC	LL phase
58*	17+WIDE	LL Phase DEC	
59*	18+ON	180 deg pan turn	180 deg pan turn
60*	19+ON	CLEANING ON (MENU)	CLEANING
61*	19+OFF	CLEANING OFF (MENU)	
62*	0+AUX+ON	AUX ALL ON	RECEIVER FUNCTION COMMAN

Simplified Illustration of Operation of System Controller VC-SC1000M

63*	0+AUX+OFF	AUX ALL OFF	
64*	1+AUX+ON	AUX 1 ON	
65*	1+AUX+OFF	AUX 1 OFF	
66*	2+AUX+ON	AUX 2 ON	
67*	2+AUX+OFF	AUX 2 OFF	
68*	1+AUX+SHOT	AUX 1 MOMENTARY	
69*	1+AUX+SET	AUX 1 LATCH	
70*	2+AUX+SHOT	AUX 2 MOMENTARY	
71*	2+AUX+SET	AUX 2 LATCH	
72*	*+CAM+SET	SETUP MENU ON	MENU
73*	*+CAM+CLR	SETUP MENU OFF	
74*	0+SET	SETUP MENU [Cursor STOP]	
75*	JOYSTICK_UP	SETUP MENU [Cursor UP]	
76*	JOYSTICK_RIGHT	SETUP MENU [Cursor Right]	
77*	JOYSTICK_DOWN	SETUP MENU [Cursor Down]	
78*	JOYSTICK_LEFT	SETUP MENU [Cursor Left]	
79*	ENTER	SETUP MENU SET1	
80*	CLR	SETUP MENU SET2	
81*	1+CAM+SET	SETUP MENU SW (RESET)	
82*	0+CAM+SET	SETUP MENU SW (ALL RESET)	
83*	0+CAM+ON	Menu ON	
84*	0+CAM+OFF	Menu OFF	

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