

INSTRUCTION MANUAL

ENGLISH

ENDLESS SPEED PTZ CAMERA

WCC-261MN

WCC-261MP

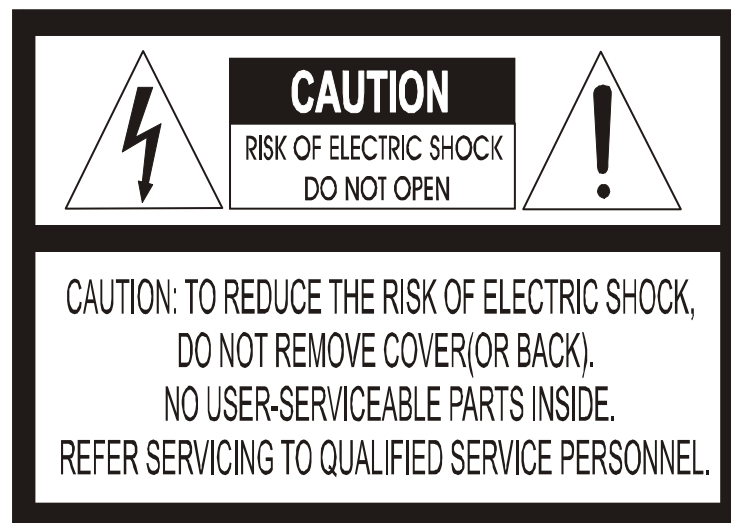


Designs and specifications are subject to changed without notice.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECTS THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.

CAUTION



EXPLANATION OF GRAPHICAL SYMBOLS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended To alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to The presence of important operating and maintenance (servicing) instruction in the literature accompanying the product

FCC COMPLIANCE STATEMENT

FCC INFORMATION: THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS A DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES. THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE WHEN THE EQUIPMENT IS OPERATED IN A COMMERCIAL ENVIRONMENT. THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTION MANUAL, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS. OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE HARMFUL INTERFERENCE IN WHICH CASE THE USER WILL BE REQUIRED TO CORRECT THE INTERFERENCE AT HIS OWN EXPENSE.

CAUTION: CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

CE COMPLIANCE STATEMENT

WARNING

THIS IS A CLASS A PRODUCT. IN A DOMESTIC ENVIRONMENT THIS PRODUCT MAY CAUSE RADIO INTERFERENCE IN WHICH CASE THE USER MAY BE REQUIRED TO TAKE ADEQUATE MEASURES.

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FEATURES

- **Fire engine, Police car and other special applications**
- **Built-in 26x Optical Day/Night zoom camera and Endless Pan/Tilt driver**
- **Aluminum body and resistance lens cover (Crystal)**
- **MAX. 100 ° /sec Pan speed**

•System function

Preset - Up to 63 programmable preset.

Scan - Repeatedly pan & tilt operating between two positions. (Max. 4)

Tour – Up to 8 programmable Tours consisting of presets with individual dwell time.

Pattern - Up to 2 programmable Patterns memorized the PTZ movement.

Area – Up to 4 programmable Area display set.

Alarm- Move the camera to programmed Preset position with Alarm trigger. (Max. 2)

•Variable speed Pan/Tilt control

In manual mode, sophisticated operating is possible at zoom in state by speed correcting function.

•Position Auto Return (Park Action)

After passing some time at manual operating, returning to the pre-set position.

•OSD(On Screen Display)

Displays camera ID, area name, preset No. and kinds of camera functions on screen.

•Various Function Switch

1. Convertible to RS485 and RS 232C by DIP switch.

2. Protocol convert switch.

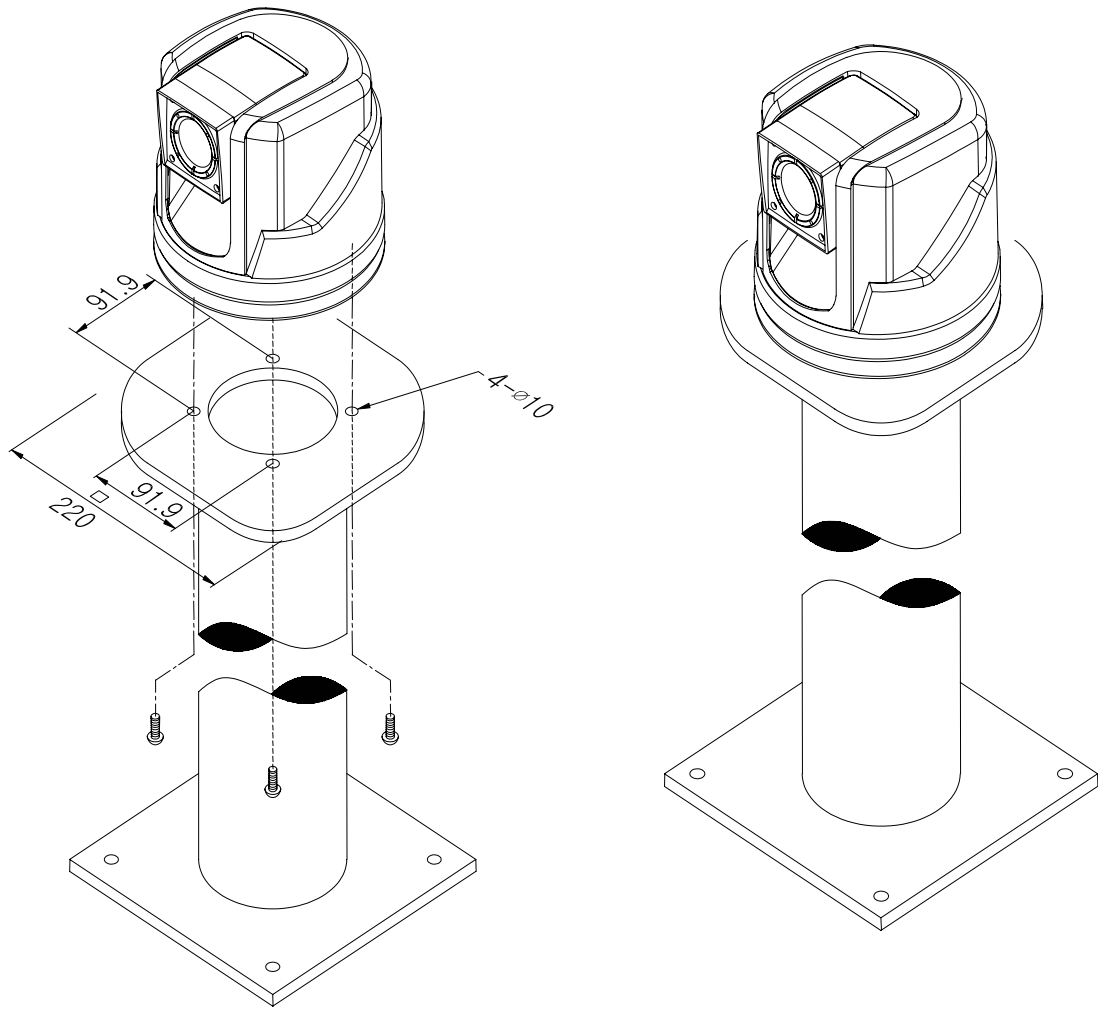
By using DIP switch, WONWOO(9600bps) and P-D(2400bps) protocol can be converted.

3. Supports up to 255 address.

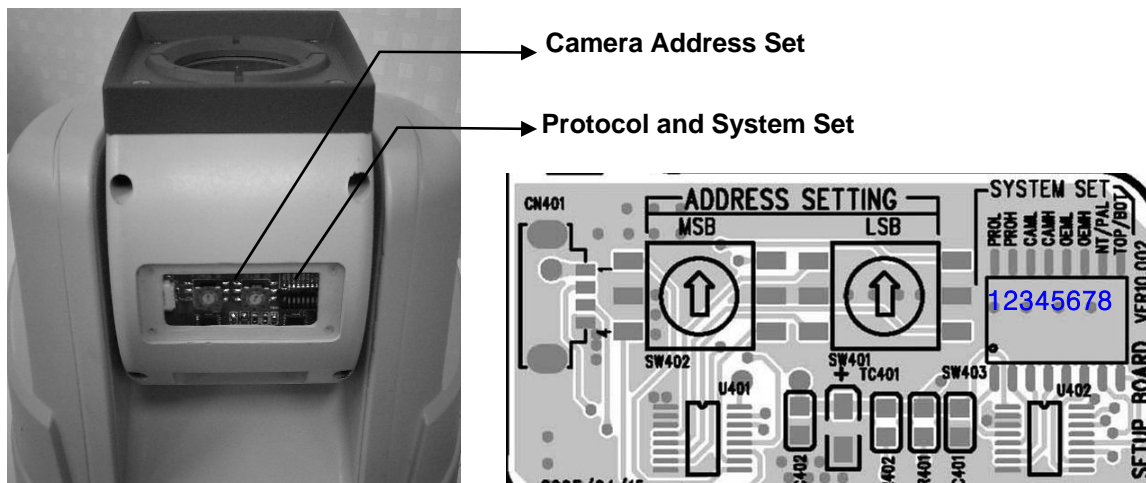
•Auto Flip Function

This function makes Tilt function can operate up to 180°.

CONSTRUCTION



DIP SWITCH SETTING



• Camera Address Select

Refer to the next page(8-page) camera address setting

• System setting

NO 1,2. Communication Protocol Select.

1:Off/2:Off -> DRX-502, 1:On/2:Off -> P-D, 1:Off/2:On -> P-P

NO 3,4,5,6. Reserved

NO 7. Video format select (NTSC/PAL), Keep this as factory default.

NO 8. Select Installation. (Top mount/Ceiling mount)

On : Ceiling Mount / Off : Pole, Car roof, or desk mount.

• Termination Resistance Switch

The termination resistor is used for multi-drop connections where two or more speed dome cameras are connected to a controller on a communication line consecutively. Turn on the termination resistance switch of both the nearest camera and the farthest camera in the communication line.

• RS-485 communication

RS-485 communication is used to control the PTZ camera. For multiple camera connection & control, users should assign camera address through this DIP switch.

Standard : RS-485 with MAX. 256 Camera Control

Number of wire : 2 Wire (D+, D-)

Protocol : D-Protocol

• D Protocol ?

Baud Rate : 2400 bps

Data Format : Asynchronous, 1 start bit, 8 data bits, no parity, 1 stop bit

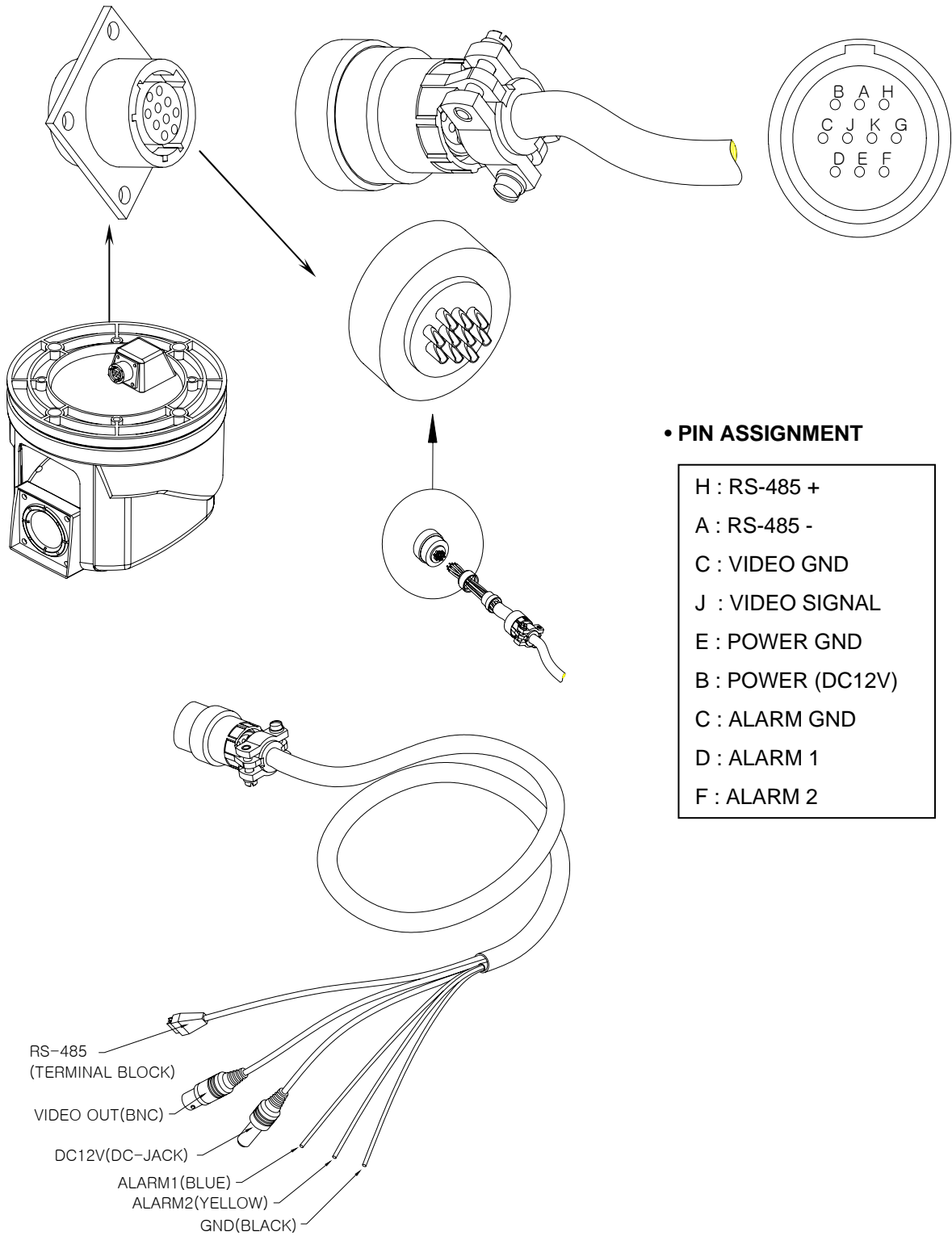
Topology : Daisy-chain

etc : Refer to -D Specification

CAMERA ADDRESS SETTING

Address	MSB	LSB	Address	MSB	LSB	Address	MSB	LSB	Address	MSB	LSB
-	0	0	64	4	0	128	8	0	192	C	0
1	0	1	65	4	1	129	8	1	193	C	1
2	0	2	66	4	2	130	8	2	194	C	2
3	0	3	67	4	3	131	8	3	195	C	3
4	0	4	68	4	4	132	8	4	196	C	4
5	0	5	69	4	5	133	8	5	197	C	5
6	0	6	70	4	6	134	8	6	198	C	6
7	0	7	71	4	7	135	8	7	199	C	7
8	0	8	72	4	8	136	8	8	200	C	8
9	0	9	73	4	9	137	8	9	201	C	9
10	0	A	74	4	A	138	8	A	202	C	A
11	0	B	75	4	B	139	8	B	203	C	B
12	0	C	76	4	C	140	8	C	204	C	C
13	0	D	77	4	D	141	8	D	205	C	D
14	0	E	78	4	E	142	8	E	206	C	E
15	0	F	79	4	F	143	8	F	207	C	F
16	1	0	80	5	0	144	9	0	208	D	0
17	1	1	81	5	1	145	9	1	209	D	1
18	1	2	82	5	2	146	9	2	210	D	2
19	1	3	83	5	3	147	9	3	211	D	3
20	1	4	84	5	4	148	9	4	212	D	4
21	1	5	85	5	5	149	9	5	213	D	5
22	1	6	86	5	6	150	9	6	214	D	6
23	1	7	87	5	7	151	9	7	215	D	7
24	1	8	88	5	8	152	9	8	216	D	8
25	1	9	89	5	9	153	9	9	217	D	9
26	1	A	90	5	A	154	9	A	218	D	A
27	1	B	91	5	B	155	9	B	219	D	B
28	1	C	92	5	C	156	9	C	220	D	C
29	1	D	93	5	D	157	9	D	221	D	D
30	1	E	94	5	E	158	9	E	222	D	E
31	1	F	95	5	F	159	9	F	223	D	F
32	2	0	96	6	0	160	A	0	224	E	0
33	2	1	97	6	1	161	A	1	225	E	1
34	2	2	98	6	2	162	A	2	226	E	2
35	2	3	99	6	3	163	A	3	227	E	3
36	2	4	100	6	4	164	A	4	228	E	4
37	2	5	101	6	5	165	A	5	229	E	5
38	2	6	102	6	6	166	A	6	230	E	6
39	2	7	103	6	7	167	A	7	231	E	7
40	2	8	104	6	8	168	A	8	232	E	8
41	2	9	105	6	9	169	A	9	233	E	9
42	2	A	106	6	A	170	A	A	234	E	A
43	2	B	107	6	B	171	A	B	235	E	B
44	2	C	108	6	C	172	A	C	236	E	C
45	2	D	109	6	D	173	A	D	237	E	D
46	2	E	110	6	E	174	A	E	238	E	E
47	2	F	111	6	F	175	A	F	239	E	F
48	3	0	112	7	0	176	B	0	240	F	0
49	3	1	113	7	1	177	B	1	241	F	1
50	3	2	114	7	2	178	B	2	242	F	2
51	3	3	115	7	3	179	B	3	243	F	3
52	3	4	116	7	4	180	B	4	244	F	4
53	3	5	117	7	5	181	B	5	245	F	5
54	3	6	118	7	6	182	B	6	246	F	6
55	3	7	119	7	7	183	B	7	247	F	7
56	3	8	120	7	8	184	B	8	248	F	8
57	3	9	121	7	9	185	B	9	249	F	9
58	3	A	122	7	A	186	B	A	250	F	A
59	3	B	123	7	B	187	B	B	251	F	B
60	3	C	124	7	C	188	B	C	252	F	C
61	3	D	125	7	D	189	B	D	253	F	D
62	3	E	126	7	E	190	B	E	254	F	E
63	3	F	127	7	F	191	B	F	255	F	F

CABLE CONNECTION





Main Setup-menu

Main Menu

<Pressing keypad "1" and holding the "MENU" key for approximately 3 seconds>
 <or " Press No.95 + Preset key " to go into the set-up menu> (IR-200 / WTX-2000 / WTX-1000 / Pelco 300A)

Main Menu window will appear.


1 +  OR 95 + 


MAIN MENU


MOTION SETTING ▶
 DOME SETTING ▽
 CAMERA SETTING ▽
 CLEAR DATA ▽
 VECTOR INIT
 EXIT


SELECT→NEAR/RIGHT ▷ SUB MENU


Quick Operating Guide

Flip : 90 + 

Auto Flip ON : 93 +  3sec.

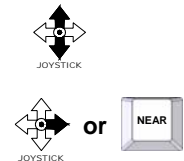
Auto Flip OFF : 94 +  3sec.

Move initial position : 93 + 

Menu Start : 95 + 

** Move the joystick up and down to navigate through the menu items.

Push the **NEAR** key or move joystick to the **right** to select a menu item.



MOTION MENU

PRESET ▶
 TOUR ▽
 SCAN ▽
 PATTERN ▽
 ALARM ▽
 AREA ▽
 BACK
 EXIT

SELECT→NEAR/RIGHT ▷ SUB MENU

DOME MENU

TITLE SET : CPAN 20.011
 AUTO FLIP ON
 POWER UP ACTION ON
 PARK ACTION ▷
 DISPLAY ON/OFF ▷
 SPEED BY ZOOM ON
 FACTORY SET ▷
 BACK
 EXIT

SELECT→NEAR/RIGHT

CAMERA MENU

FOCUS MODE ▶
 WHITE BALANCE ▽
 EXPOSURE ▽
 DAY & NIGHT : DAY
 SHARPNESS : 10
 BACKLIGHT : OFF
 CAMERA DEFAULT
 BACK
 EXIT

SELECT→FOCUS MODE SETTING

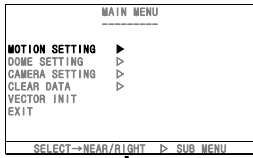
DATA CLEAR

PRESET
 TOUR
 AREA
 ALARM
 SCAN
 PATTERN
 BACK
 EXIT

SELECT→NEAR/RIGHT

(1) Motion Setting

① Preset



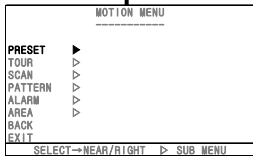
OR



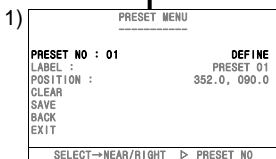
Preset Quick Operating Guide

Set Preset : #1~63 + 3sec.

Go to Preset : #1~63 +



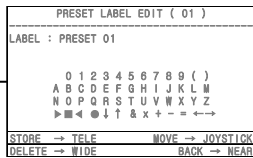
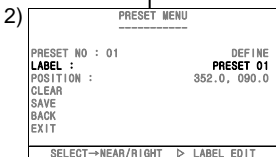
The Preset function is that the camera memorizes positions of the pan/tilt and zoom. This function is representative function of speed dome which can find memorized preset position just by selecting preset No.



PRESET SELECT						
P01	P02	03	04	05	06	07
08	09	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60	61	62	63

1) Select the Preset number

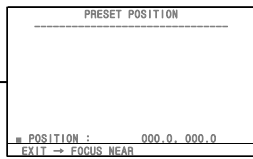
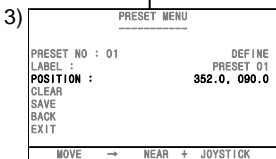
P01: Defined Preset number / 01: Undefined Preset number



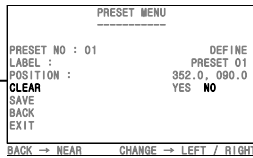
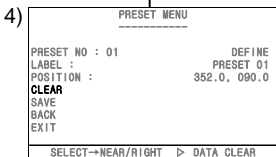
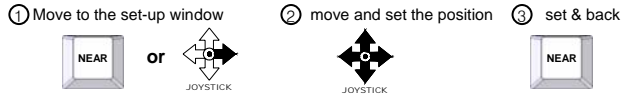
2) Set the Preset Label



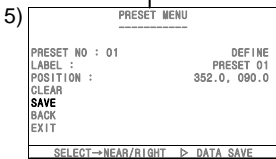
After the label set, push NEAR button to go out



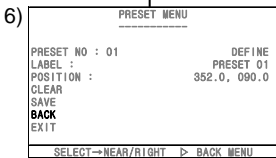
3) Define the Preset position



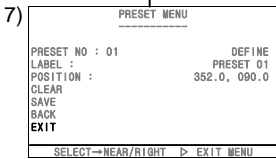
4) Delete the Preset position data



5) Save above setting Preset data to the memory



6) "BACK" means it goes back one level before



7) "EXIT" means it goes out of MENU

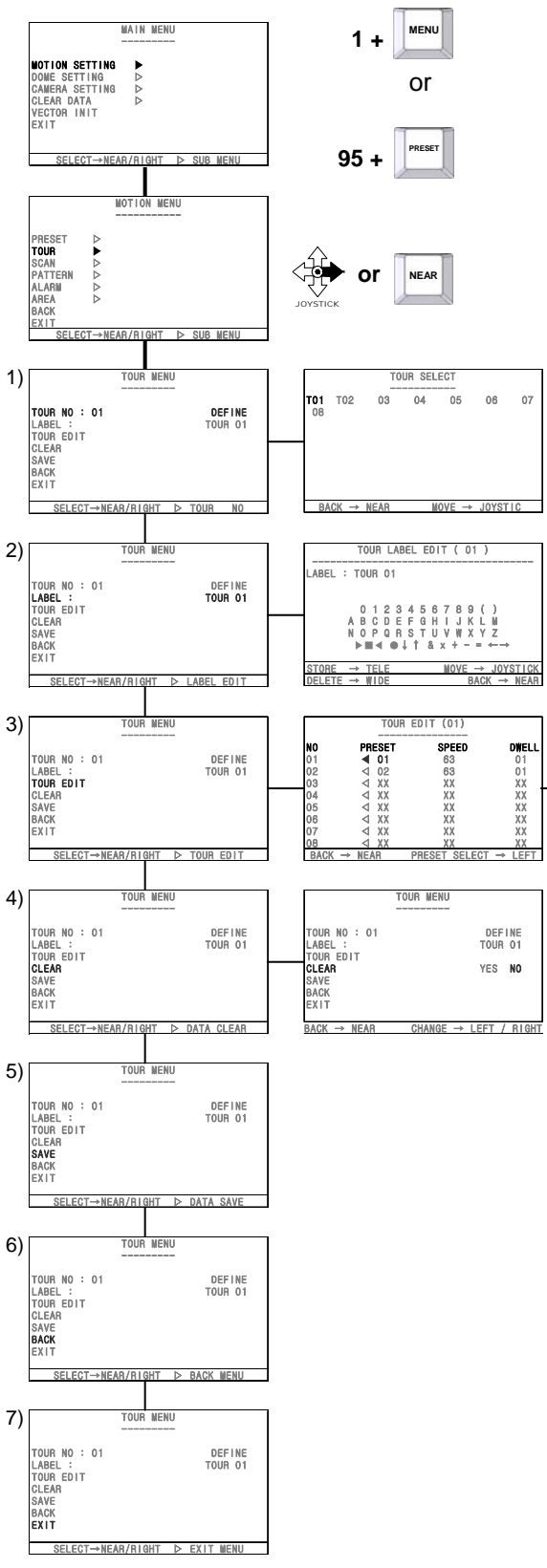
② Tour

Tour Quick Operating Guide

Programming : #71~78 +  3sec.

Operating : #71~78 + 

The Tour function consists of several presets run by turn. It is also adjustable the moving speed(1~63 step) and dwell time (1~99sec). There are 1 to 8 programmable Tour function.



1) Select the Tour number

T01: Defined Tour number / 01: Undefined Tour number

Move:  Select: 

2) Set the Tour Label

Move:  Select:  or  Delete:  or 

After the label set, push NEAR button to go out

3) Define the Tour function

① Preset select window ② move and set the Preset ③ Set & back

④ Increase the speed and dwell time ⑤ decrease the speed and dwell time

 or   or 

4) Delete the programmed Tour data


5) Save above setting Tour data to the memory


6) "BACK" means it goes back one level before

7) "EXIT" means it goes out of MENU

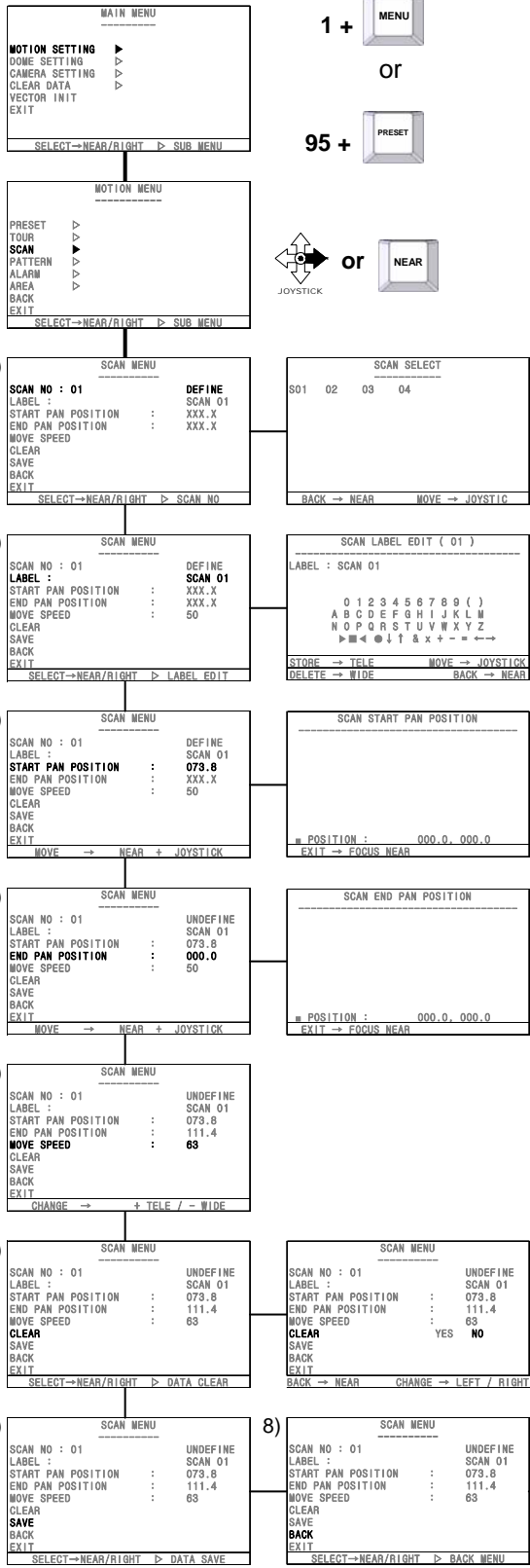
③ Scan




















Scan Quick Operating Guide

Programming : #81~84 +  3sec.

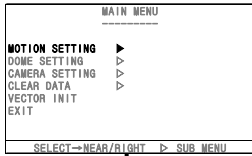
Operating : #81~84 + 

The Scan function is that the camera keeps panning between programmed two pan positions. And it is also adjustable moving speed(1~63 step). There are 4 programmable Scan functions.

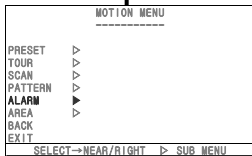
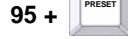


- 1) Select the Scan number
 S01: Defined Scan number / 01: Undefined Scan number
 Move:  Select: 
- 2) Set the Scan Label
 Move:  Select:  or  Delete:  or 
 After the label set, push NEAR button to go out
- 3) Define the Start pan position
 ① Move to the set-up window  or  ② move and set the position  ③ go back 
- 4) Define the End pan position
 ① Move to the set-up window  or  ② move and set the position  ③ go back 
- 5) Set the Scan speed
 Increase:  or  Decrease:  or 
- 6) Delete the programmed Scan data
- 7) Save above setting Scan data to the memory
- 8) "BACK" means it goes back one level before
- 9) "EXIT" means it goes out of MENU

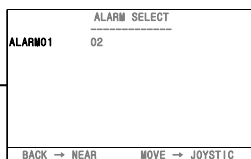
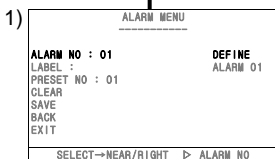
⑤ Alarm



OR

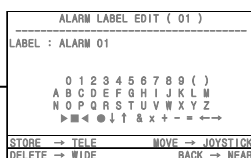
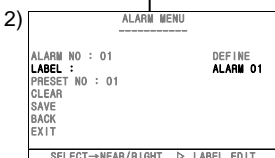


Alarm function is that the camera move to the programmed Preset position by Alarm trigger.



1) Select the Alarm number

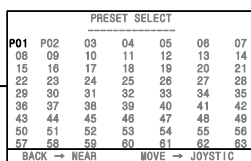
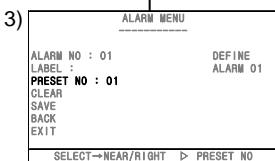
ALARM01: Defined Alarm number / 01: Undefined Alarm number



2) Set the Alarm Label

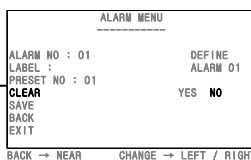
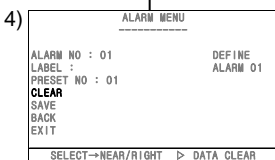


After the label set, push NEAR button to go out

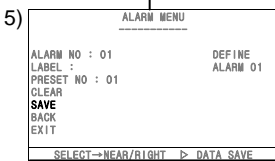


3) Define the Preset position with Alarm trigger

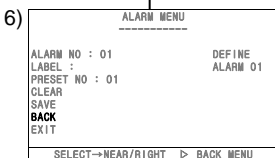
① Move to the select window ② move and set the preset ③ set & back



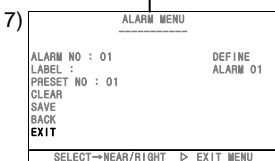
4) Delete the Preset position data



5) Save above programmed Alarm position data to the memory



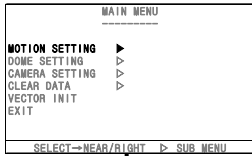
6) "BACK" means it goes back one level before



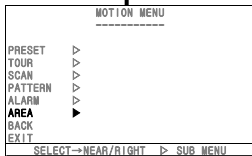
7) "EXIT" means it goes out of MENU

※ WCC-271 supports Normal Open mode for Alarm input.

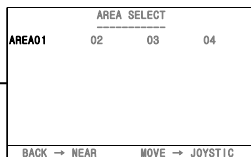
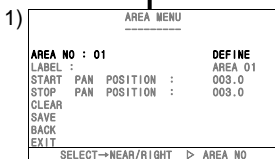
⑥ Area



OR

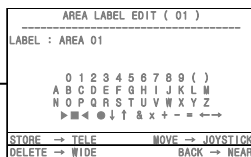
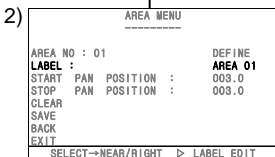


The Area function is that display the Area name between two programmed pan positions. There are 4 programmable Area display functions.



1) Select the Area number

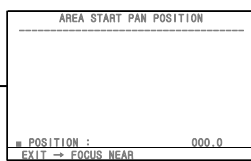
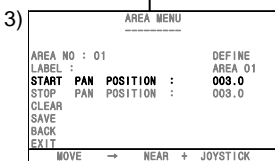
AREA01: Defined Area number / 01: Undefined Area number



2) Set the Area Label

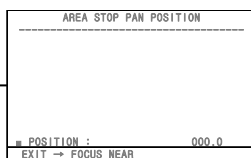
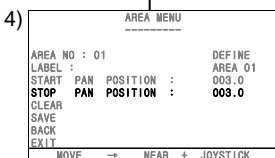


After the label set, push NEAR button to go out



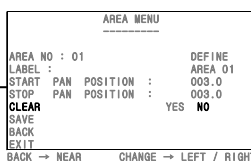
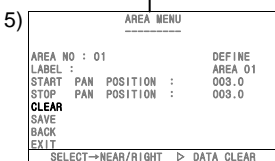
3) Define the Start pan position

① Move to the set-up window ② move and set the position ③ set & back



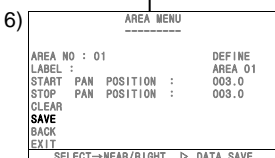
4) Define the Stop pan position

① Move to the set-up window ② move and set the position ③ set & back

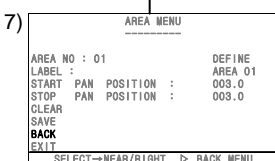


5) Delete the programmed Area display data

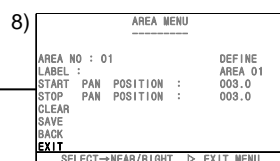
6) Save above setting Area display data to the memory



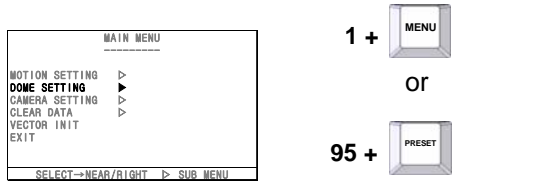
7) "BACK" means it goes back one level before



8) "EXIT" means it goes out of MENU



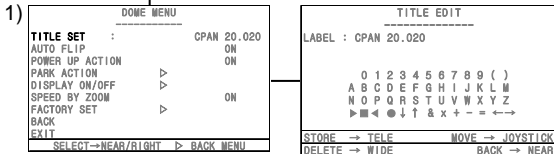
(2) Dome Setting



1) Set the Dome camera title

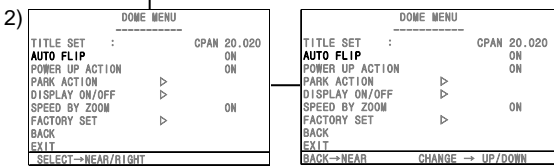


When the title set is finished, push NEAR button to go out



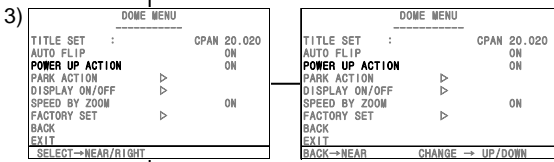
2) Auto Flip ON/OFF set

The tilt angle is extended to 180° when this function is ON.

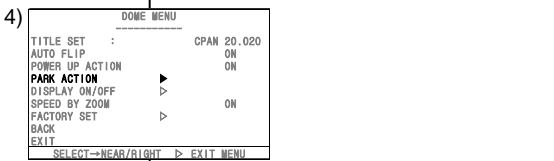


3) Power Up Action ON/OFF set

When this function is ON, the camera memorize the latest action and restore it from sudden power failure.

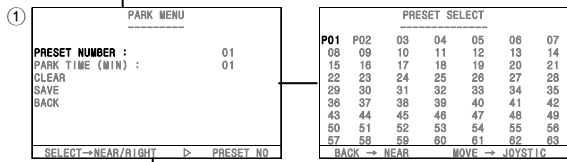


After the label set, push NEAR button to go out

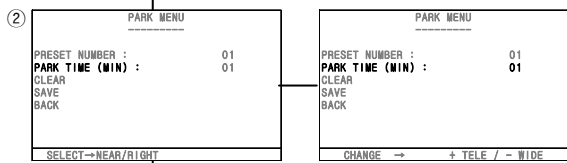


4) PARK ACTION

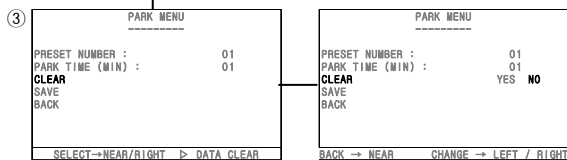
The camera move back to the programmed Preset position after the set time



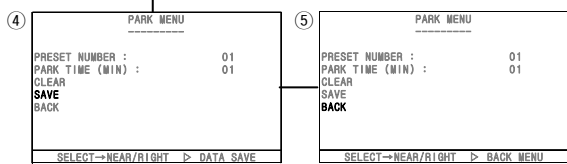
① Set the Preset number



② Park Time Set (1~99minutes)

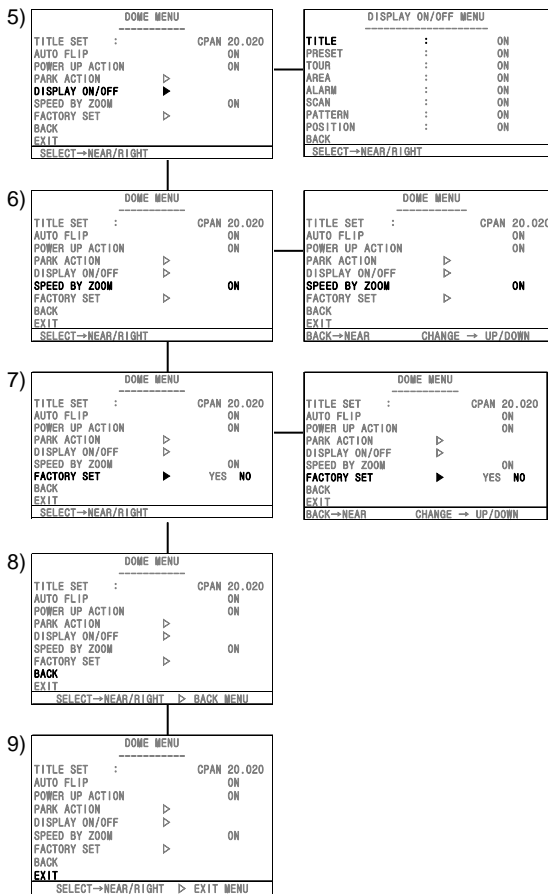


③ Delete the programmed Park Action data



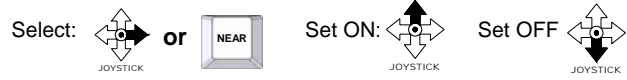
④ Save above Park Action data to the memory

⑤ "BACK" means it goes back one level before



5) Display OSD ON/OFF set

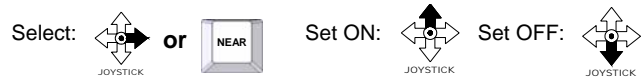
When this function is ON, the camera memorize the latest action and restore it from sudden power shut-down.



After the label set, push NEAR button to go out

6) Speed By Zoom ON/OFF set

When this function is ON, the pan/tilt speed is inversely adjusted to the zoom ratio.



After the label set, push NEAR button to go out

7) Factory Set

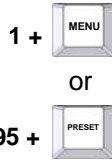
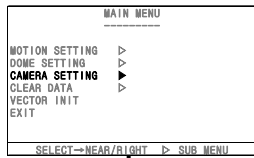
Restore all of setting value to the factory default

 All of existing setting value would be erased.

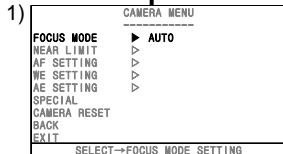
8) "BACK" means it goes back one level before

9) "EXIT" means it goes out of MENU

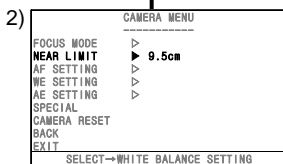
(3) Camera Setting



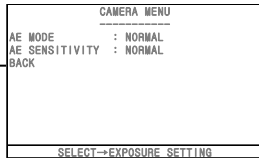
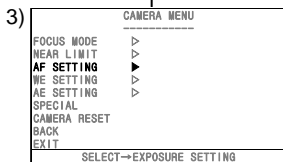
- 1) Focus Mode
Set the camera focus mode (Auto, Push Auto, Manual)



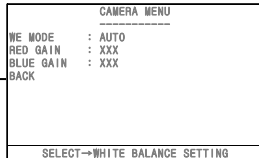
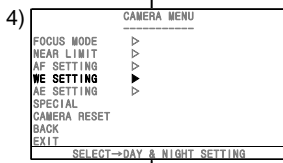
- 2) Near Limit
This function is available to fix the shortest distance for Auto Focus.
(Wide end: 35mm, tele end: 800mm)



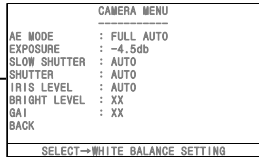
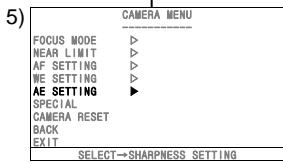
- 3) AF Setting
This function is available for AF Mode and AF Sensitivity.



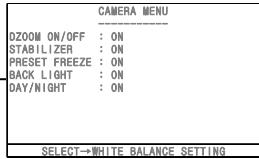
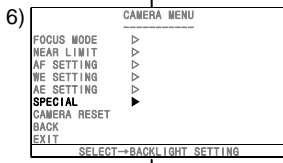
- 4) WB Setting (White Balance Setting)
This function is available for Special, Push Auto, Manual WB mode.
This mode is the adjustment of user option for special color.



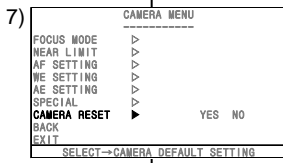
- 5) AE Setting
Set the Exposure mode (Auto, Manual), and Shutter, Iris, Bright level.



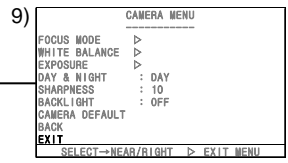
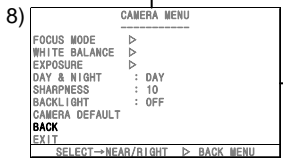
- 6) Special
This function is for Digital Zoom, Image Stabilizer, Preset Freeze, Back Light Compensation and Day/Night.



- 7) "Camera Reset" is to restore the camera setting value as factory default.



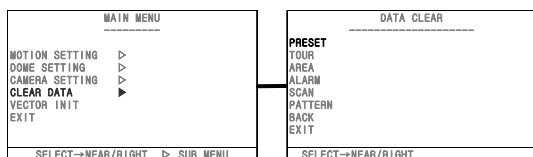
- 8) "BACK" is to go back one level before.



- 9) "EXIT" is to go out of MENU

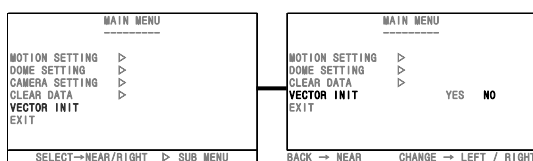
(4) Clear Data

Clear the memorized motion data in the PTZ camera –Preset, Tour, Area, Alarm, Scan, Pattern-



(5) Vector Initialize

Make initialize the PTZ position value. With this function the camera keep the accuracy of the PTZ position value.



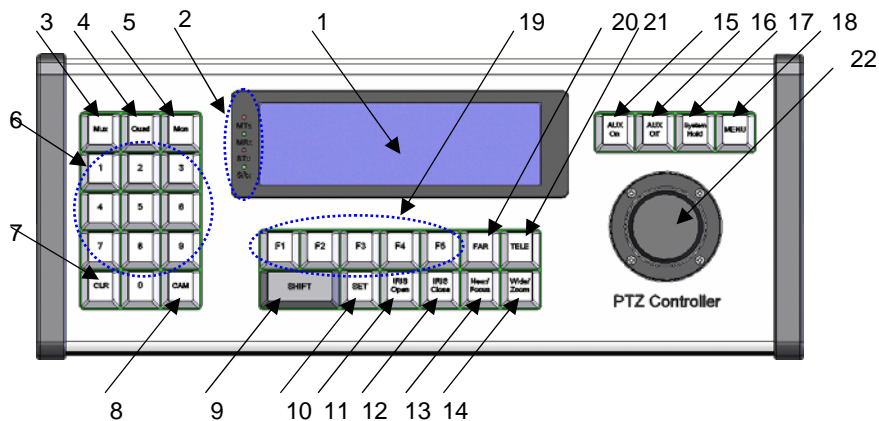
< Quick Command >

FUNCTION	PROTOCOL		
	D'	'P'	WONWOO
GOTO PRESET	1~63 PRESET	1~63 PRESET	1~63 PRESET
SET PRESET	1~63 SET PRESET	1~63 SET PRESET	1~63 SET PRESET
GOTO TOUR	71~78 PRESET	71~78 PRESET	71~78 PRESET
SET TOUR	71~78 SET PRESET	71~78 SET PRESET	71~78 SET PRESET
GOTO SCAN	81~84 PRESET	81~84 PRESET	81~84 PRESET
SET SCAN	81~84 SET PRESET	81~84 SET PRESET	81~84 SET PRESET
GOTO PATTERN	91~92 PRESET	91~92 PRESET	91~92 PRESET
SET PATTERN	91~92 SET PRESET	91~92 SET PRESET	91~92 SET PRESET
FLIP	90 PRESET	90 PRESET	90 PRESET
ZERO PAN	93 PRESET	93 PRESET	93 PRESET
AUTO SCAN	99 PRESET	99 PRESET	99 PRESET
AUTO FLIP ON	93 SET PRESET	93 SET PRESET	93 SET PRESET
AUTO FLIP OFF	94 SET PRESET	94 SET PRESET	94 SET PRESET
START MENU	95 SET PRESET	95 SET PRESET	95 SET PRESET

Using Keyboard Controller

FEATURES

- Recalls up to 255 cameras from one keyboard.
- Multiple protocol supported in each channel
- Preset position control.
- Variable manual control speed from 1°/sec to 90°/sec
- Maximum speeds are proportional to zoom ratio.
- Recalls programmed guard tours from each dome camera.
- Recalls Auto-Swing from selected dome camera.
- Built-in Graphic LCD monitor with blue screen.(WTX-2000)
- Programmable user preferences. (preset, tour, group, etc.).
- User password support.
- Supported DVR protocol (Need to be modified)
- Easy upload programmed data via comm. Port of PC.
- Slave Keyboard support.

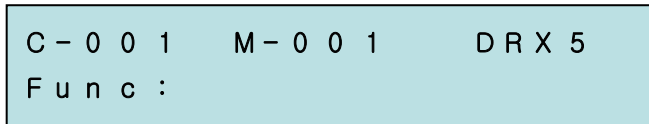


1. LCD Display: Displays numeric input, system status, function status, general status, etc.
2. Shows the communication status (Master / Slave)
3. Mon : Select output channel of Matrix Switcher. (TBD)
4. Quad : Select channel of Quad.(TBD)
5. Mux : Select channel of Mux.(TBD)
6. 0~9 :Numeric keypad :
7. CLR : Cancel key .
8. CAM :Select address of Camera, Mux, Quad and Matrix Switcher.
9. SHIFT : Key for special function (Customize).
10. SET : Connected equipment setting and system information setting.
- 11.12. IRIS Open ,12. IRIS Close :Camera Iris control.
13. 20.Near / Far Focus: Camera focus control.
- 14.21. Wide / Tele Zoom : Camera zoom control.
15. AUX On : AUX ON of Receiver unit.
16. AUX Off : AUX Off of Receiver unit.
17. System Hold : Used for system hold
18. Menu : Used for Camera (Pan/Tilt) Menu adjustment.
19. F1 ~ F5 : Function Keys (Preset, Group, Tour, Pattern, Scan).
22. Telemetry Joystick – It allows precise control of Pan/Tilt/Zoom & Moving to menu

Display LCD window

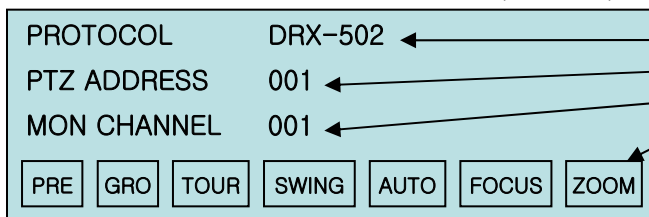
(1) Initial display

(WTX-1000)



1. C-001 : Shows the current camera No. (Address).
2. M-001 : Displays output channel of Matrix Switcher.
3. DRX5 : Shows the selected camera protocol.
4. Func : Displays entered Key.

(WTX-2000)



1. PROTOCOL: Shows the selected protocol.
2. PTZ ADDRESS: Shows the selected camera.
3. Displays output channel of Matrix Switcher.
4. Indicate Function Key

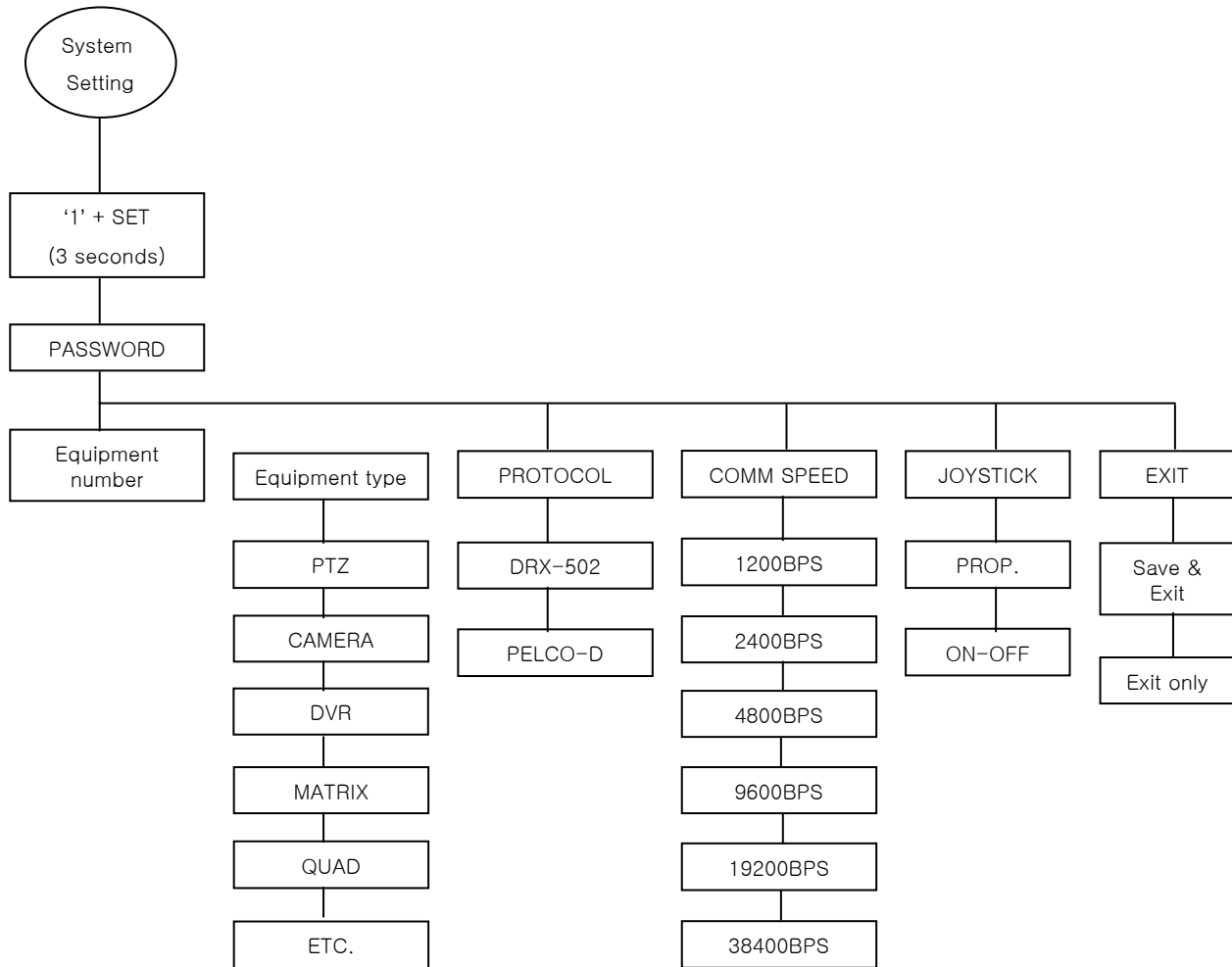
PTZ (Camera) control

1. Please select the camera first. Keyboard can control only 1 camera which is selected, and LCD will show you the selected camera. Please press the camera number and CAM button on the bottom of left side. Push or twist the joystick to control the camera direction and zoom (twist the joystick counterclockwise to zoom out; twist the joystick clockwise to zoom in). Zoom speed is proportional to the rotation of the joystick.
2. To using Preset, Group, Tour, Swing, Auto pan, Focus, Zoom functions of keyboard, you should store these functions on the camera OSD Menu in advance. To enter the PTZ camera menu, please press number "1" and "Menu" key on the upper of right side for 3 seconds at the same time.
3. To operating above the functions, press the camera number and function key on the keyboard.
4. The Monitor will show you the function name that you are operating now.
5. If you want to stop the function, please moving the joystick to up, down, right and left.

** "PELCO D" protocol

If user use Pelco D protocol, press "95" and then press "PATTERN" (F3 key: WTX-2000).
And to select confirm function, use focus "Near" key.

PTZ channel setting



PROTOCOL	DRX-502
PTZ ADDRESS	001
MON CHANNEL	001
PRE GRO PATT SWING AUTO FOCUS ZOOM	

To open the menu,
 Press "1" and "SET" key (for 3sec).
 You can see **PASSWORD?** window.
 Please enter "0000" (factory default).

PASSWORD

PASSWORD will appear on the LCD screen.

Please enter your own 4-digit numbers.

1.	NO.	001
2.	TYPE	PTZ
3.	PROTOCOL	DRX-502
4.	COMM SPEED	1200 BPS

NO: Select camera address to be changed.

TYPE: Select camera type.

PROTOCOL: Protocol select.

COMM SPEED: Select communication speed.

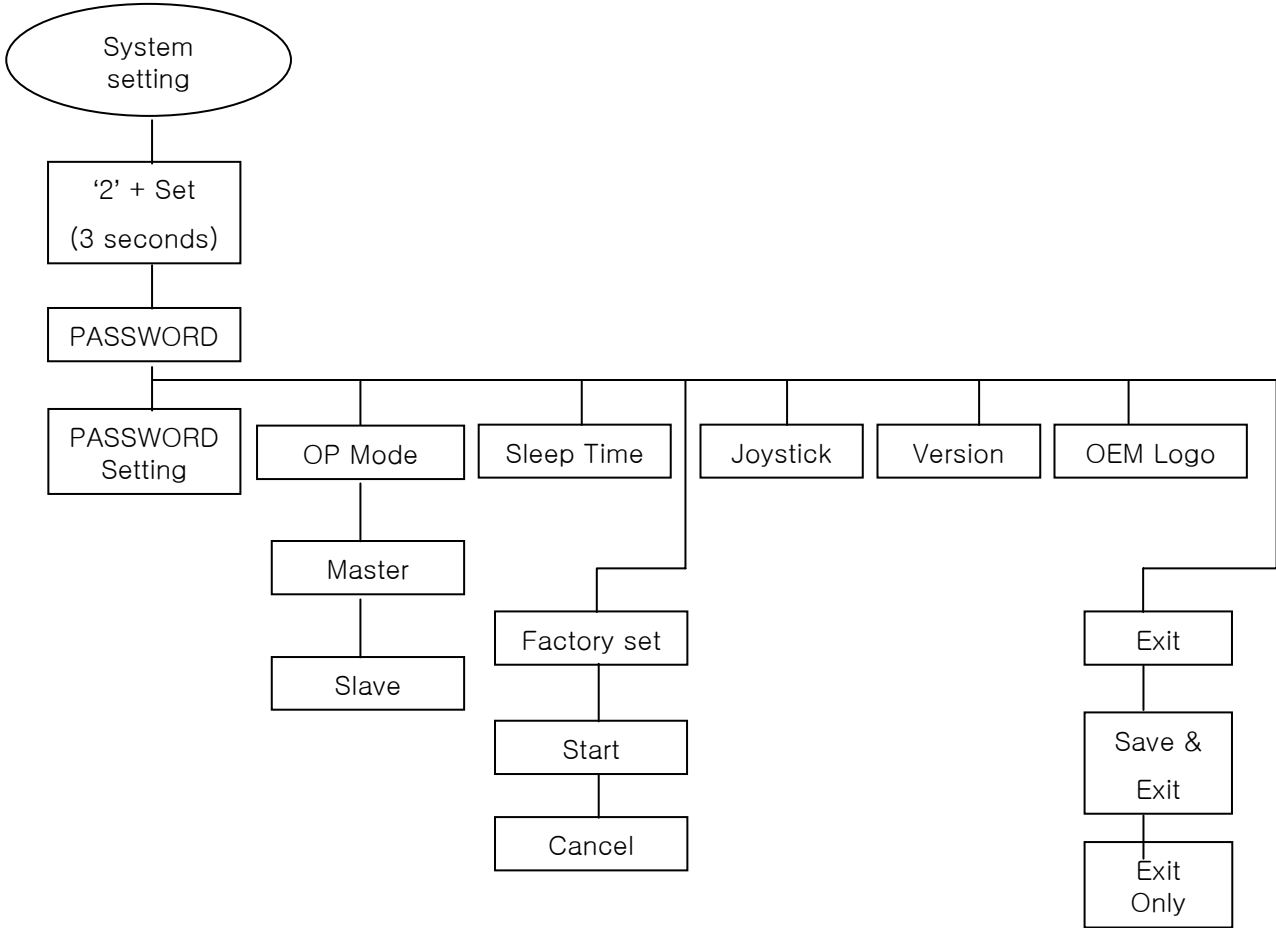
5.	JOYSTICK	PROP
6.	EXIT	

JOYSITCK: Select way of Joystick control.

PROP : Proportional control, **ON-OFF :**

EXIT

Hidden command



PROTOCOL	DRX-502					
PTZ ADDRESS	001					
MON CHANNEL	001					
PRE	GRO	PATT	SWING	AUTO	FOCUS	ZOOM

To open the menu,
 Press **"2"** and **"SET"** key (for 3sec).
 You can see **PASSWORD?** window.
 Please enter "0000" (factory default).

PASSWORD

PASSWORD

will appear on the LCD screen.

- 1. PASSWORD 0000
- 2. OP MODE MASTER
- 3. SLEEP TIME 060 [S]
- 4. FACTORY ▾Initialize

PASSWORD : Please enter "0000" (Factory default).
You can use this menu to change the password.

* Please change the temporary password
(factory default) "0000" to your own 4-digit numbers

OP MODE: Operation mode setting: Master, Slave

SLEEP TIME: After adjusted time (seconds), LCD displays
company LOGO.

FACTORY: Factory set.

- 1. JOYSTICK
- 2. VERSION ▾ V1.0-040705
- 3. OEM LOGO ▾ PTZ
- 4. EXIT

JOYSTICK:

VERSION: Shows current system software version.

OEM LOGO: Select LCD logo.

EXIT

SPECIFICATION - WCC-E261MN/MP

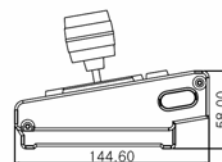
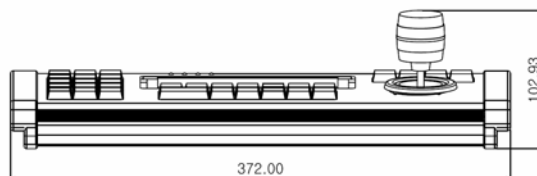
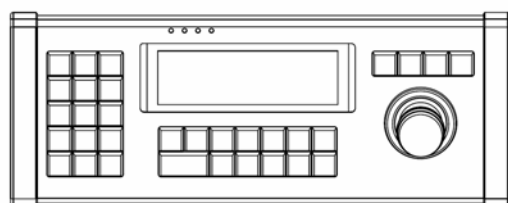
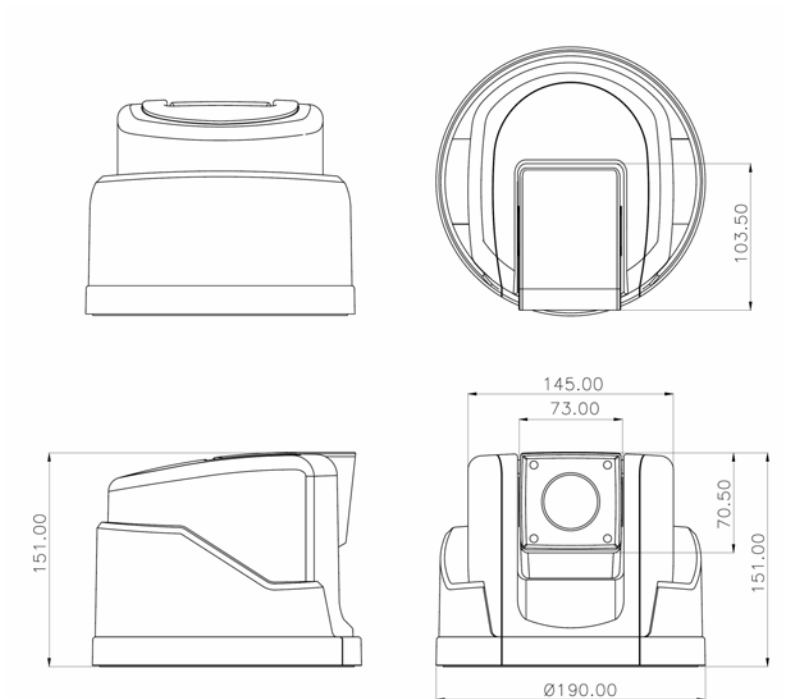
Model		Specifications
Signal format		NTSC PAL
Image Sensor	1/4 inch Sony Super HAD CCD	
Effective Pixels	Approx. 630K	Approx. 740K
Horizontal Resolution	480 TV Lines	
Minimum Illumination	0.7 lx (typical, 30 IRE), 0.05 lx (ICR mode), 0.001 lx (DSS B/W mode)	
Lens	26x Zoom, f=3.5mm (wide) to 91.0 mm (tele), F1.6 to F3.8	
S/N ratio	More than 50dB	
Pan	Angle	0~360° (Endless)
	Manual Speed	More than 100°/sec
	Preset Speed	More than 120°/sec
Tilt	Angle	-45° to 60°
	Manual Speed	More than 60°/sec
On- Screen Display	Camera ID, Camera name, area name and Preset number	
Auto swing	MAX. 4 Pan Swing (2 Position Swing)	
Preset	63 positions	
Guard Tour	4 tours, consisting of 63 presets and functions	
ID (Camera Address)	0 ~ 255 address	
Control	RS-485, baud rate : 2400 / 38400bps, Automatic	
Construction	Die-cast Aluminum & "O"-Ring sealed. All internal parts are corrosion protected epoxy powder coating.	
Power	DC12V~DC18V 50/60Hz 3A	
Operating Temperature	Outdoor: -40°C to 55°C	
Humidity	30 to 90%RH (non-condensing)	
Dimensions / Weight	190(∅) X 152(H) mm / 4kg	
Certification	CE , FCC	

SPECIFICATION - Keyboard Controller

Model		WTX-1000, WTX-1500, WTX-2000
Keyboard Communication		Pan/Tilt interface: RS-485
		DVR interface: RS-485
		Pan/Tilt operating distance: 4000 ft (1029m) on 24AWG wire
		Protocol: Multiple (Wonwoo, etc.) (Baud rate selectable)
Connector Type Data		RJ-11 6-pin modular
Keyboard Keypad		PC Keyboard button
		Numeric keypad and camera function keys.
Joystick	WTX-1000	Joystick 2-axis, variable-speed with zoom
	WTX-2000	Three-axis, vector solving, with twisting, return-to-center head
Input Voltage		12V DC±2V
Power Consumption		Max.450mA
LCD Display		Graphic display (WTX-2000) 240 x 64dots. Display 4-linex30-character alphanumeric LCD display with blue backlight.
Operating Temperature		0℃ to 45℃
Humidity		10% -70% non-condensing
Dimensions & Weight	WTX-1000	372(W) x 103(H) x 145(D), 1.4Kg
	WTX-2000	372(W) x 103(H) x 145(D), 1.4Kg

Dimensions

Unit : mm



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