



### x12 Analog PTZ Outdoor **Ouick Start Guide**

Version 1.01

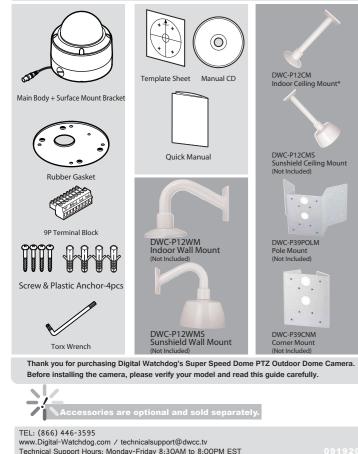
### FCCCE

ese limits are designed to provide reasonable protection against harmful inter ence 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 terference in which case the user will be required to co

To disconnect power from the mains, pull out the mains cord plug. When install the product, ensure that the plug is easily accessible.

# PREPARATION

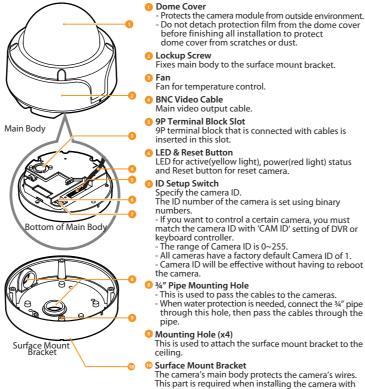
The following items are included with the PTZ camera



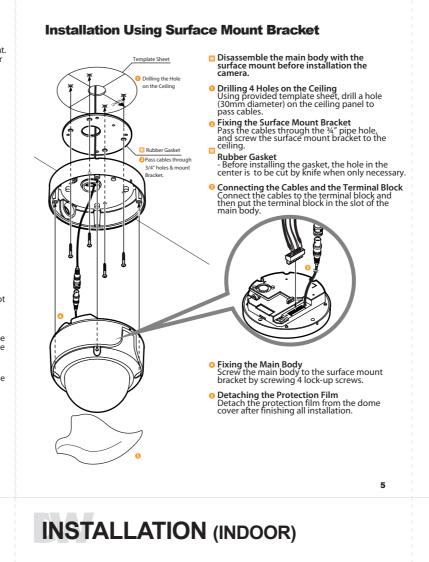
### INSTALLATION

### **Camera Parts and ID Setup**

Effio-P



### **INSTALLATION** (SURFACE MOUNT)



### Installation Using Ceiling / Wall Mount Bracket\*

Wall Mount Option Ceiling Mount Optio Rubber Gasket Disassemble the main body with the surface mount before installation the camera. Drilling A Holes on the Ceiling/ Wall and Fixing the Anchor Bolts To install the ceiling mount bracket, drill four holes (6mm diameter/50mm depth) on the ceiling and insert the anchor bolts into the hole. Fixing the Ceiling Mount Bracket

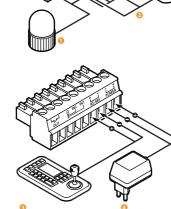
 Drill a hole (20mm diameter) on the pipe of the bracket to pass the cables.
 On the fixed anchor bolts, attach the rubber gasket and screw the ceiling mount bracket.

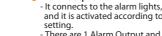
 Rubber Gasket Fixing the Surface Mount Bracket Pass the cables through the hole of the surface mount bracket, screw the surface mount bracket to the ceiling mount bracket. Connecting the Cables to the Terminal Block Connect the cables to the terminal block and then put the terminal block in the slot of the main body. Ocnnecting the Terminal Block Put the terminal block connected to the cables in the slot of the main body. • Fixing the Main Body Screw the main body to the surface mount bracket by screwing 4 lock-up screws. • Detaching the Protection Film Detach the protection film from the dome cover after finishing all installation. 7

### INSTALLATION

### **Terminal Block Connections**

Alarm Output Slot Power Input Slot Alarm Input/Sensor Slot RS-485 Slot





an Indoor Accessory.

contact type. Therefore, you do not have to care about polarity, AC/DC, and isolations between channels. Care must be taken for the power capacity of relay contact type. The sensor types are normal open and normal close.

#### Alarm Input/Sensor

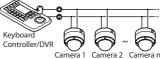
- It connects to IR sensor, IrDA sensor or door to move camera to the specific angle and to connect the alarm device. A cable of the sensor should connect to input 1 or 2, and the other should be connected to 'COM' slot.

normal close

### 8 RS-485 Communication (Keyboard Controller/

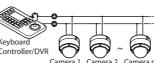
RS-485 communication lines of them are connected in parallel as shown below

Please check the correct rated power. The rated power is marked on the bottom of the camera



- The sensor types are normal open and

DVR) For PTZ control, connect this line to keyboard and DVR. To control multiple cameras at the same time,

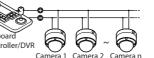


Alarm Output It connects to the alarm lights, siren or lamps, and it is activated according to the OSD menu

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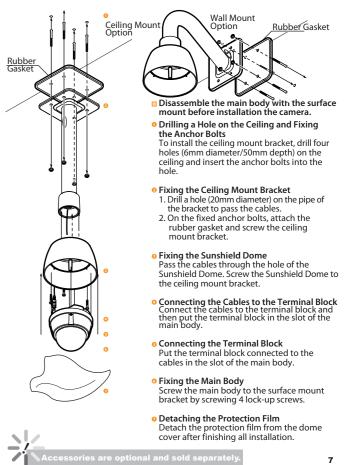
There are 1 Alarm Output and it is relay

switch. If the sensor is activated, it can activate



# **INSTALLATION** (OUTDOOR)

### Installation Using Sunshield Dome\*



### INSTALLATION

### **First Time Bootup and Initial Testing**

**Check Points before Operation** 

- 1. Before power is applied, please check the cables carefully.
- 2. The camera ID of the controller must be identical to that of the camera to be controlled. The camera ID can be check in the system information of OSD menu
- If your controller supports multi-protocols, the protocol must be changed to match to that of the camera.
- 4. If you changed camera protocol by changing DIP switch, the change will be effective after you reboot the camera.
- Since the operation method can be different for each controller available, refer to the manual for your controller if camera cannot be controlled properly.

#### Preset and Pattern Function Pre-check

Check how to operate preset, pattern, scan and group function with keyboard controller/DVR in advance to operate camera function using them. (Refer to system keyboard manual

#### Start OSD Menu

Using the OSD menu, preset, pattern, scan, group and alarm input function can be configured for each application. Enter 'Preset key + 95'.

#### **Auto Calibration**

If the camera is continuously subjected to very high temperatures (over 50°C or 122°F) for a long period, the camera can lose focus and produce blurry images. In this case, it is recommended to turn on AUTO CALIBRATION by running preset 165.

If you execute AUTO CALIBRATION, the camera will calibrate its focus for 10 seconds every 24 hours. To turn OFF this function, please run preset 166.



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IRESS IA MEMORY IM MODULE

HOME POSITION

## OSD MENU (FOR DW'S VMAX, VMAX480 & VMAX Flex)

### Preset 95

Preset 95 is reserved for starting the camera's OSD menu. For a complete list of all the reserved presets, see the PTZ12X's complete manual or page 19.

### Accessing the OSD Menu





Select Full Screen view on the selected PTZ camera B Right-Click the screen again, & select 'Preset' 2 Right-Click the screen & Select 'PTZ'



4 Enter 95 to access the OSD menu

# OSD MENU (CONTROL THROUGH THE DVR)



5 Using mouse, click on area of the screen labeled: UP: to scroll up the menu DOWN: to scroll down the menu Left: Vertically move from one edit tab to the one to its left RIGHT: Vertically move from one RIGHT: Vertically move from one edit tab to the one to its right.

To move to a sub-menu Once you have selected the sub-menu 6 you want to enter, scroll the mouse's wheel forward

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To exit a sub-menu When you have completed all desired modifications, scroll the mouse's wheel forward to save changes, or backwards to return to the Root menu and cancel all changes

## **RESERVED PRESETS**

#### Some preset numbers are reserved to special functions

Preset #	Function	On/Off
95	Enters Into OSD Menu	ON
131~134	Pattern Function 1 ~ 4	ON
141~148	Scan Function 1 ~ 8	ON
151~158	Group Function 1 ~ 8	ON
161~164	Relay 1~ 4 Output	OFF
Set key +	Relay 1~ 4 Output	ON
161~164		
165	Auto Calibration	ON
166	Auto Calibration	OFF
167	Zoom Proportional Jog	ON
Set key +	Zoom Proportional Jog	OFF
167		
170	BLC Mode	OFF
171	BLC Mode	HIGH
174	Camera Focus Mode	AUTO
175	Camera Focus Mode	MANUAL
176	Camera Focus Mode	SEMI-AUTO
177	Day & Night Mode	AUTO
178	Day & Night Mode	NIGHT
179	Day & Night Mode	DAY
190	OSD Display Mode	AUTO (except privacy mask
191	OSD Display mMode	OFF (except privacy mask)
192	OSD Display Mode	ON (except privacy mask)
193	All Privacy Mask display	OFF
194	All PrivacyMask display	ON
200	Digital zoom	ON
201	Digital zoom	OFF

### PRESET SETUP

#### A preset is a pre-defined position for the camera. Setup 127 presets, excluding 95, which is reserved for menu access.

#### PRESET SETUP- UNIDENTIFIED.

If a selected preset is already defined, camera will move to the pre-defined position. If a selected preset is not defined, 'UNDEFINED' will appear.

- CONT SCENE>
- Redefine the current preset scene position(i.e. PTZ). TO EDIT THE PRESET'S SCENE
- 1. Using joystick, move camera to the desired position.

2. Using your USB mouse, scroll the mouse's wheel forward to save, or backwards to cancel all changes.

#### PRESET SETUP- DEFINED PRESET

- 2<LABEL>
- Edit a label for the selected preset. Max. 10 characters.

#### CAM ADJUST

- WB and AE can be set up independently for each preset. - GENERAL: WB/ AE settings will follow the camera's setup for both options under 'ROOT MENU>CAMERA SETUP' menu. - SPECIAL:
- Each special WB/AE value will the activated when the camera runs the selected preset. During jog operation, general WB/AE value will be applied.
- If 'SPECIAL' is selected, any changes made to the general camera settings for WB and AE will not apply to the preset's WB/ AE settings.

#### ALARM OUT

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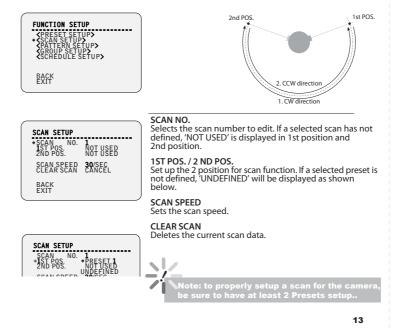
Relay output can be linked with a specific preset run. ' - 'means off, '1' means on.

# SCAN SETUP

By using the scan function, you can make the camera to move between 2 preset positions repeatedly.

When the scan function runs, the camera moves from the preset assigned as the 1st point to the preset assigned as the 2nd point in Clockwise direction. Then the camera moves from the preset assigned as the 2nd point to the preset assigned as the 1st point in Counterclockwise direction.

In case that the preset assigned as the 1st point is same as the preset assigned as the 2nd point, the camera turns on its axis by 360° in CW direction and then it turns on its axis by 360° in CCW direction.



### PATTERN SETUP

Pattern function is when a camera memorizes the path (mostly curve path) created by a joystick controller and revives the path exactly as it memorized for an assigned time.

4 patterns are available and maximum 1000 communication commands can be stored in a pattern.

PATTERN SETUP

will be displayed as shown

CLEAR PATTERN CANCEL

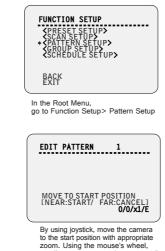
EDIT PATTERN 1

[NEAR:SAVE / FAR:DELETE] 0/0/x1/E

Select the pattern number you wish to setup. If a selected pattern is not defined, 'UNDEFINED'

PATTERN NO.

BACK



scroll near to save and start recording or far to cancel all changes

Move the camera using the Joystick controller or the computer mouse in the desired pattern. The total memory size is displayed in the form of a bar. Using the mouse's wheel, scroll bear to save patterm, or scroll far to cancel all changes

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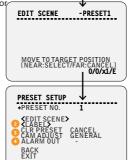
CEDIT SCENE> BACK EDIT SCENE

PRESET SETUP
\*PRESET NO.

BACK EXIT

FUNCTION SETUP

PRESET SETUP>
 SCAN SETUP>
 PATTERN SETUP>
 GROUP SETUP>
 SCHEDULE SETUP2



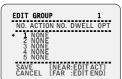
## **GROUP SETUP**

The group function allows you to run sequence of presets, pattern, and/or scans. Maximum 8 group can be stored. Each group can have max 20 actions.

To setup a group, at leaset 1 preset, 1 scan, 1 pattern must be setup.



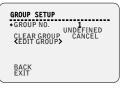
In the Root Menu, go to Function Setup> Group Setup



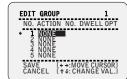
Select the first action in the group. Click with the mouse on the right side of the screen to enter edit mode.



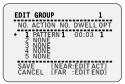
Using the mouse, continue editing the desired information. Enter the action's number, Dwell time between each action, and the numebr of repetitions under OPT.



Select the Group you wish to modify. If a group is not defined, 'UNDEFINED' will be displayed as shown.



Using the mouse, click on the top and bottom of the Screen to scrol down the options. Select from Preset, Pattern, Scan. Click on the right side of the screen to save selection and move to the next tab to the right



When you finish setting up an ACTION, press Near or Enter key to one-upper-level menu. Move to the next action and repeat setup as necessary. When you have completed entering all desired actions, scrol near to save changes, or far to cancel all changes.

### SCHEDULE SETUP

The schedule function allows running an appropriate function like preset, scan, pattern, group, home move at designated day and time.

To setup a schedule, at leaset 1 Preset, 1 scan, 1 pattern, and 1 group should be setup.



In the Root Menu. go to Function Setup> Schedule Setup



Select the days of the week you wish to set for this schedule. Select from All, WKD (Every day except Saturday and Sunday), or Sun~Sat. When you are done, click on the right corner of the screen to move to the next edit section



Select the schedule you wish to modify, and using the mouse's wheel, scroll near to enter Edit mode

SCHEDULE SETUP
MASTER EMABLE 1 MON 01:20 HOM ON 2 WED 07:00 PRS 12 ON 3 THU 11:40 SKN 3 ON 4 ALL 12:00 SKN 1 ON 5 UNDEFINED 6 UNDEFINED 7 UNDEFINED BACK

Continue to edit the time of the day, the act you wish to run at that time (home, preset, pattern, scan, group), select the act no for a specific action. When you are complete, to enable the schedule select ON. Using the mouse's wheel, scroll near to save changes or far to cancel

To enable the camera to start running the schedules, make sure the specific schedule is enabled, and also MASTER ENABLE on the top of the screen is ON