

SS10C-C65H
SS10W-C65HIndoor Ceiling Mount
Outdoor Wall Mount

10x Mini PTZ Camera



Indoor



Outdoor



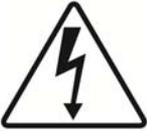
USER MANUAL

FEATURES

- 1/4" Interline Transfer CCD, 650 TV Lines
- 10x Optical Zoom, 10x Digital Zoom (Max 100x Zoom)
- F1.8, f=3.8~38mm focal length
- 0.7 lux (color) / 0.02 lux (B&W), 50 IRE
- **Mechanical IR Cut Filter (ICR)**, Day & Night Function
- 360° Endless Pan ; 180° Auto-flip Tilt ; 95° Normal Tilt
- 127 Presets ; RS-485 Communication, max 255 cameras
- Pelco-D & Pelco-P Selectable protocols
- Vector Drive Technology: Pan/Tilt motions are done at the shortest path
- 4 Alarm Inputs – **SS10W-C65H**
- Fan & Heater – **SS10W-C65H**
- 12V DC



*Please read the Manual before attempting to use this product.
Specifications and appearance are subject to change without notice.*



CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN!**



**TO REDUCE THE RISK OF ELECTRICAL SHOCK,
DO NOT OPEN COVERS (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL.**



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems).

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

CAUTION

1. Never point the camera toward the sun

Do not expose the lens directly to the sun or to strong light as this may damage the pick-up device.

2. Handle this camera with care

Avoid any shock or bumping of the camera. Improper handling could damage the camera.

3. Requires a proper operating environment

The ceiling mount camera is designed for indoor use. The allowable temperature range for operation is between 32°F ~ 104°F / 0°C ~ 40°C. The wall mount camera is designed for outdoor use. The allowable temperature range for operation is between -22°F ~ 122°F / -30°C ~ 50°C.

4. Clean the front face or lens

It is recommended that the surface be cleaned every 3~6 months. Cleaning should be done by using a chamois, a very fine soft cloth, lens tissue, or cotton tipped applicator and ethanol to carefully remove any fingerprint or dust.

5. Check the power source voltage

The power source voltage should be within the specified range. (Camera must meet the specifications). Camera must be connected to a surge protector at all times.

6. Objects and liquid entry

Never push objects of any kind into this camera as this may touch dangerous voltage points of short out parts that could result in a fire or electric shock. Never spill any kind of liquid on the video product.

7. Servicing

Do not attempt to service this video product by yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all service to qualified servicing personnel.

8. Damage requiring service

Unplug this video product from the wall outlet and refer service to qualified servicing personnel under the following conditions:

- a. When the power supply cord or plug is damaged.
- b. If liquid has been spilled, or objects have fallen into the video product.
- c. If the video product has been exposed to rain or water.
- d. If the video product has been dropped or the cabinet has been damaged.
- e. When the video product exhibits a distinct change in performance.

LIMITED WARRANTY

OKINA USA products are covered under warranty for one year from the date of purchase. The warranty will automatically be voided if any of the following occurs:

1. Camera sticker is removed

If the camera sticker is removed, we will not be able to confirm any information regarding when and where the product was purchased. We have no other way to verify the purchase record without the serial number on the camera sticker; therefore, it should not be removed.

2. Camera is modified in any way

If the camera is scratched, damaged, or modified in a manner not described in this manual, the warranty will be voided immediately. It is the customer's responsibility to keep the camera in good condition.

3. Video or power cable is cut

The video cable and the power cable should not be tampered with. Cutting or modifying of the cables will result in termination of the warranty.

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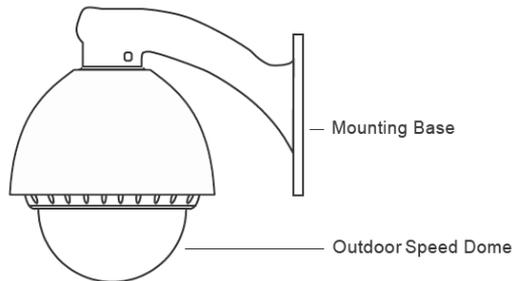
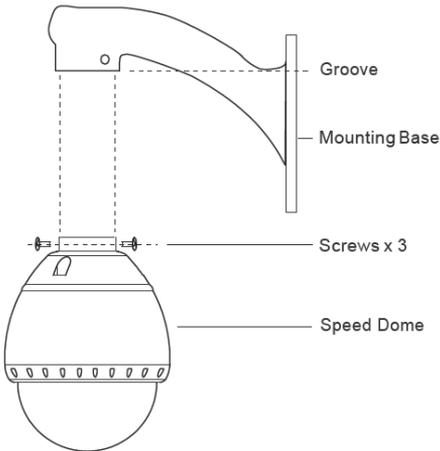
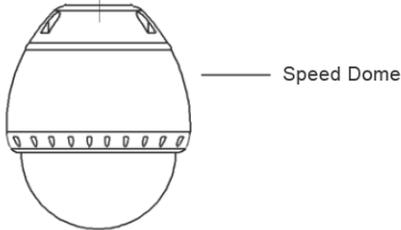
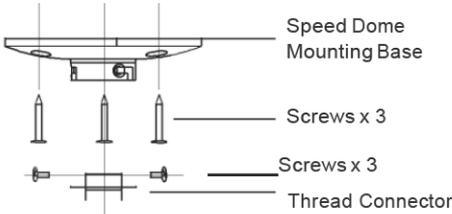
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PACKAGE CONTENTS

- One (1) 10x Mini PTZ Dome Camera
- One (1) Mounting Base
- Three (3) Mounting Base Screws
- Three (3) Thread Connector Screws
- One (1) Thread Connector
- One (1) User Manual

*Ceiling bracket is standard for mini PTZ Dome.

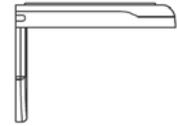
* Arm Type Wall mount bracket is standard for Outdoor PTZ Dome.



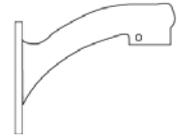
Options for SS10C-C65H:



Pendant Pole Bracket
MB-CP10C



L Type Wall Mount Bracket
MB-CW1C

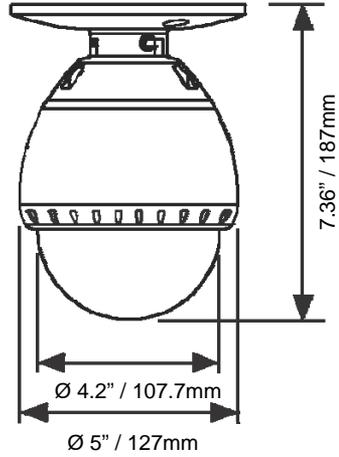
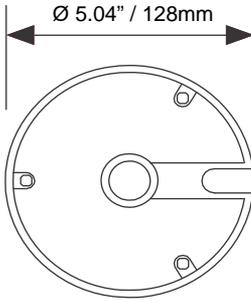


Arm Type Wall Mount Bracket
MB-CWA10C

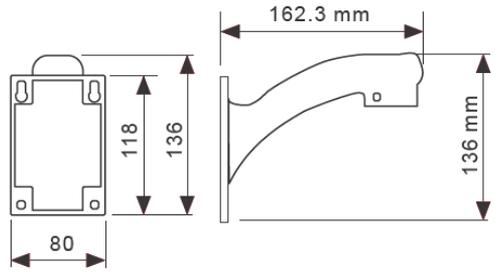
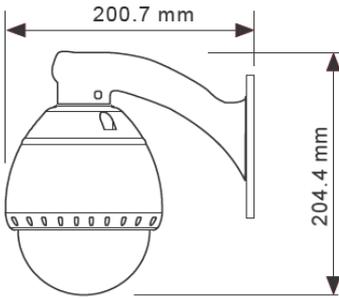
For any returns, please include all components listed above with original packaging in **Resalable Condition**. **Absolutely No Returns** will be accepted if any component is missing and/or damaged.

DIMENSIONS

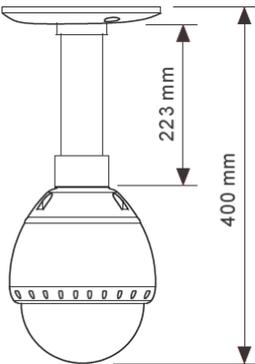
Indoor Ceiling Mount



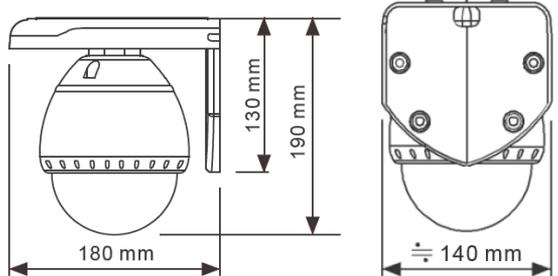
Outdoor Arm Type Wall Mount



With Pendant Pole Mount

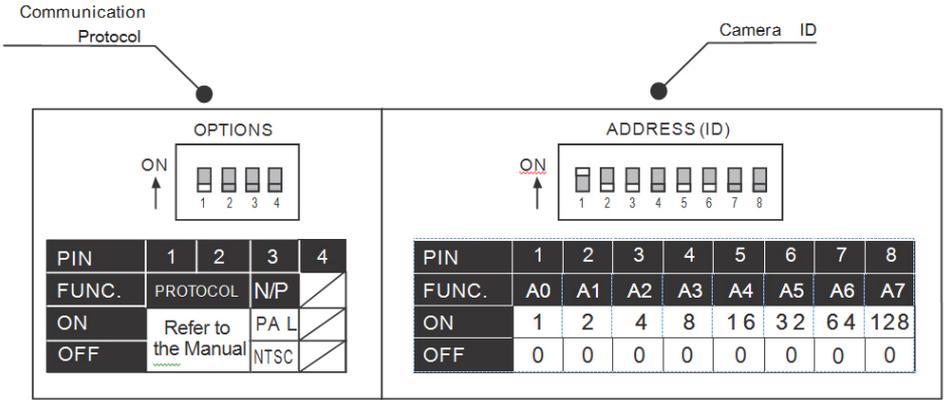


With L Type Wall Mount



DIP SWITCH SETTING

Before you install the camera, you should set the DIP switches to configure the camera ID, communication protocol.



Camera ID Setup

- ID number of camera is set using binary number. The example is shown below.

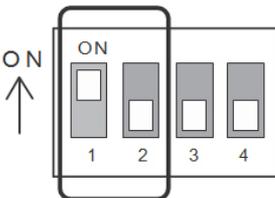


Pin	1	2	3	4	5	6	7	8
ID Value	1	2	4	8	16	32	64	128
Ex) ID=5	Off							
Ex) ID=10	Off							

- The range of ID is 1~255. **Do not use 0 as Camera ID.** Factory default is 1.
- If you want to control a certain camera, you must match the camera ID with the Cam ID setting of DVR or Controller

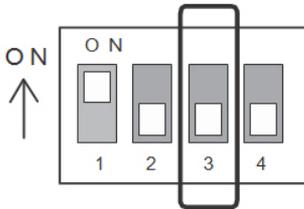
Communication Protocol Setup

- Select the appropriate Protocol with DIP switch combination.

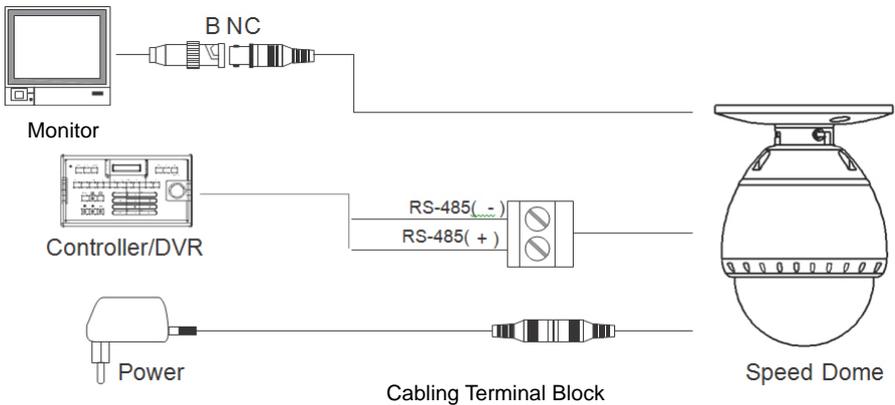


Switch State		Protocol
P0 (Pin 1)	P1 (Pin 2)	
OFF	OFF	PELCO-D, 2400 bps
ON	OFF	PELCO-D, 9600 bps
OFF	ON	PELCO-P, 4800 bps
ON	ON	PELCO-P, 9600 bps

- If you want to control using DVR or P/T controller, the protocol must be identical to the camera.
- If you change the camera protocol by changing the DIP S/W, the change will be effective after you reboot the camera.
- Factory default is Pelco-D, 2400 bps
- Pin 3 and Pin 4 is only for supplier's use. **Do not change the original settings** for these two pins, otherwise, the camera may not operate normally.
 - Pin 3: PAL/NTSC system selection of Camera. DO NOT CHANGE THIS PIN.



APPLICATION DIAGRAM



INSTALLATION

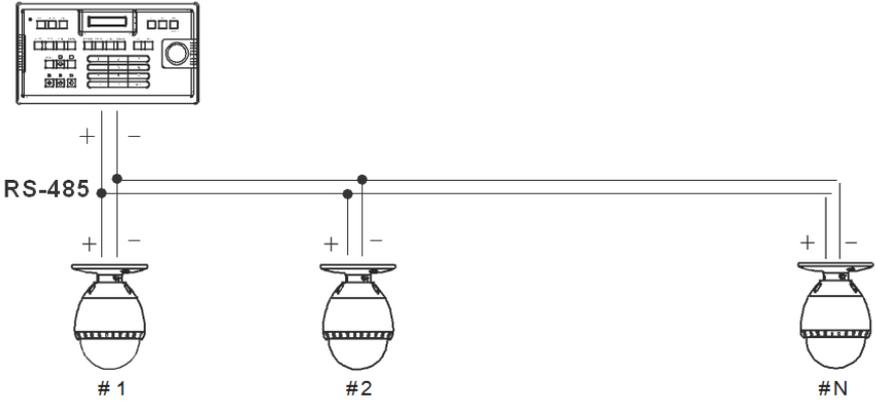
Power Connection

Please, check the voltage and current capacity of rated power carefully. Rated power is indicated in the back of main unit.

Rated Power	Input Voltage Range	Current Consumption
12V DC	11V~18V DC	0.8 A

RS-485 Communication

For PTZ control, connect the keyboard and DVR. To control multiple cameras at the same time, RS-485 communication lines of them is connected in parallel as shown below.

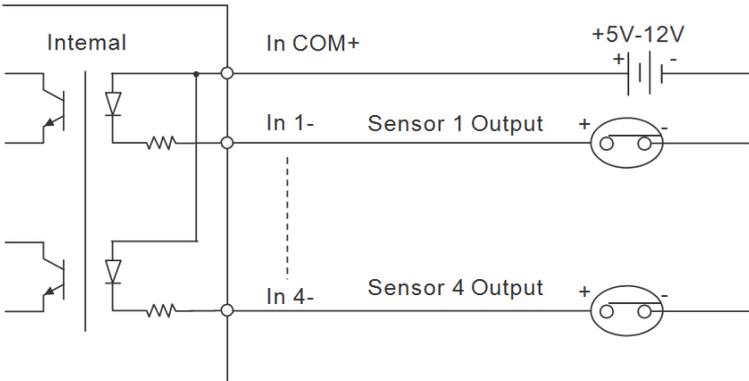


Video Connection

Connect with BNC coaxial cable.

Alarm input Connection (For Outdoor PTZ, SS10W-C65H)

Sensor Input



Before connecting sensors, check driving voltage and output signal type of the sensor. Since output signal types of the sensors are divided into open collector and voltage output type in general, the cabling must be done properly after considering these typed.

Signal	Description
IN COM+	Connect (+) cable of electric power source for sensors to this port as shown in the circuit above.
IN1-, IN2-, IN3-, IN4-	Connect output of sensors for each other port as shown in the circuit above.

If you want to use Alarm Input, the types of sensor must be selected in OSD menu. The sensor types are Normal Open and Normal. If sensor type is not selected properly, the alarm can be activated reversely.

Normal Open	Output voltage is high state when sensor is activated
Normal Close	Output voltage is high state when sensor is NOT activated

OPERATION

- Before power is applied, please check the cables carefully.
- The camera ID of the controller must be identical to that of the target camera. The camera ID can be checked by reading DIP switch of the camera.
- If your controller supports multi-protocols, the protocol must be changed to match to that of the camera.
- 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. The operation of this manual is based on the standard Pelco Controller.

PRESET AND PATTERN FUNCTION PRE-CHECK

- Check how to operate preset and pattern function with controller or DVR in advance to fully operate camera function when using controller or DVR.
- Refer to the following table when using standard Pelco protocol controller.

<Go Preset>	Press [Call] input [Preset number] and press [Enter]
<Set Preset>	Press [Preset] input [Preset number] and press [Enter]
<Run Pattern>	Press [Call] input [Preset number] and press [Enter]
<Set Pattern>	Refer to the pattern setup on page 26

- If controller or DVR has no pattern button or function, use shortcut keys with preset numbers. For more information, refer to "Reserved Preset" in this manual

STARTING OSD MENU

Function	Using the OSD menu, Preset, Pattern, Swing, Group and Alarm Input function can be configured for each application.
Enter Menu	Press <Call> + Preset Number [95] + <Enter>

RESERVED PRESET

Description	Some Preset numbers are reserved to special functions.
Function	<Call> [95] <Enter> : Enters into OSD menu <Call>[131~134]<Enter> : Runs Pattern Function 1~4 <Call>[141~148]<Enter> : Runs Swing Function 1~8 <Call>[151~158]<Enter> : Runs Group Function 1~8 <Call>[161~162]<Enter> : Sets Relay Output 1~2 to OFF <Shot>[161~162] <Enter> : Sets Relay Output 1~2 to ON <Call>[170]<Enter> : Sets Camera BLC Mode to OFF <Call>[171]<Enter> : Sets Camera BLC Mode to ON <Call>[174]<Enter> : Sets Camera Focus Mode to AUTO <Call>[175]<Enter> : Sets Camera Focus Mode to Manual <Call>[176]<Enter> : Sets Camera Focus Mode to SEMI-AUTO <Call>[177]<Enter> : Sets Day&Night Mode to AUTO <Call>[178]<Enter> : Sets Day&Night Mode to NIGHT <Call>[179]<Enter> : Sets Day&Night Mode to DAY <Call>[190]<Enter> : Sets OSD Display Mode to AUTO (Except Privacy Mask) <Call>[191]<Enter> : Sets OSD Display Mode to OFF (Except Privacy Mask) <Call>[192]<Enter> : Sets OSD Display Mode to ON (Except Privacy Mask) <Call>[193]<Enter> : Sets all Privacy Mask Display to OFF <Call>[194]<Enter> : Sets all Privacy Mask Display to ON

PRESET

Function	Max 127 positions can be stored as Preset position. The Preset number can be assigned from 1~128, but 95 is reserved for starting OSD menu. Camera characteristics (i.e. White Balance, Auto Exposure) can be set up independently for each preset. Label should be blank and "Camera Adjust" should be set to "GLOBAL" as default. All characteristics can be set up in OSD menu
Set Preset	<Preset>[1~128] <Enter> (Except [95])
Run Preset	<Call>[1~128] <Enter> (Except [95]) To delete Preset, use OSD menu.
Delete Preset	<Dome Camera Setup>→<Preset Setup>→<Ctrl Preset>

- Movement by Joystick and preset movement can be memorized in a pattern.
- The rest memory size is displayed in progress bar.
- To save the recording, press NEAR key and to cancel, press FAR key.

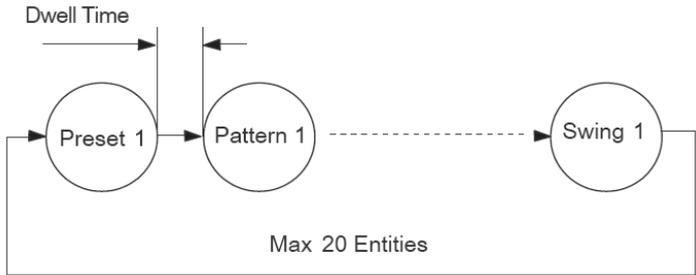
Method 2) OSD Using OSD Menu: See the section "How to use OSD Menu".

Run Pattern E.g.) Run Pattern 1: <Call>[131]<Enter>
E.g.) Run Pattern 2: <Call>[132]<Enter>

Delete Pattern Use OSD menu to delete Pattern
<Dome Camera Setup>→<Pattern Setup>→<Ctrl Pattern>

GROUP

Function The group function allows running sequence of Presets, Pattern and/or Swings Max 8 group can be stored. Each group can have max 20 action entities which can be preset, pattern or swing Preset speed can be set up and the repeat number of Pattern & Swing can be set up in Group setup. Dwell time between actions can be set up also.



Set Group Use OSD Menu to create a Group

Run Group Ex) Run Group 1: <Call>[151]<Enter>
Ex) Run Group 2: <Call>[152]<Enter>

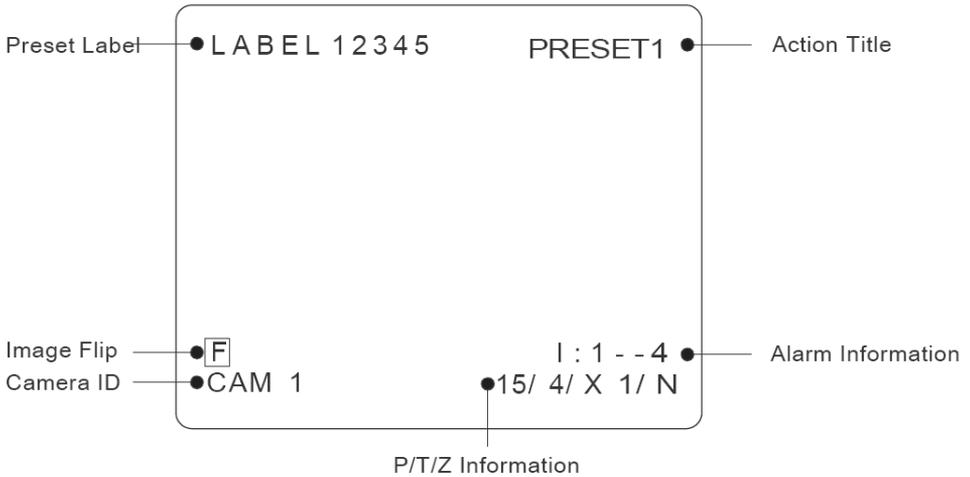
Delete Group Use OSD Menu to delete
<Dome Camera Setup>→<Group Setup>→<Clear Group>

OTHER FUNCTIONS

- Power Up Action** This function enables to resume the last action executed before power down. Most of actions such as Preset, Pattern, Swing and Group are available for this function but jog actions are not available to resume.
- Auto Flip** In case that tilt angle arrives at the top of tilt orbit (90°), zoom module camera keep moving to opposite tilt direction (180°) to keep tracing targets. As soon as zoom module camera passes through the top of tilt direction (90°), images should be reversed automatically and F appears in screen. If this function is set to OFF, tilt movement range is 0~95°.
- Parking Action** This function enables to locate the camera to specific position automatically if operator doesn't operate the controller for a while. The Park Time can be defined as an interval from 1 minute to 4 hours.
- Privacy Zone Mask** To protect privacy, MAX. 4 Privacy Masks can be created on the arbitrary position to hide objects such as windows, shops or private house. With Spherical Coordinates system, powerful Privacy Zone Mask function is possible.
- Global/Local Image Setup** WB (White Balance) and AE (Auto Exposure) can be set up independently for each preset. There are 2 modes, "Global" mode & "Local" mode. The Global mode means that WB or AE can be set up totally and simultaneously for all presets in "ZOOM CAMERA SETUP" menu. The Local mode means that WB or AE can be set up independently or separately for each preset in each preset setup menu. Each Local WB/AE value should activate correspondingly when camera arrives at each preset location. During jog operation, Global WB/AE value should be applied. All Local WB/AE value does not change although Global WB/AE value changes.
- Semi-Auto Focus** This mode exchanges focus mode automatically between Manual Focus mode and Auto Focus mode by operation. Manual Focus mode activates in preset operation and Auto Focus mode activates during jog operation With Manual mode at presets, Focus data is memorized in each preset in advance and camera calls focus data in correspondence with presets as soon as camera arrives at a preset. It should shorten time to get focuses Focus mode changes to Auto Focus mode automatically when jog operation starts.

HOW TO USE OSD MENU

OSD DISPLAY OF MAIN SCREEN



P/T/Z Info	Current Pan/Tilt angle in degree, zoom magnification and a compass direction.
Camera ID	Current Camera ID (address)
Action Title	<p>Follovangs are possible Action-Titles and their meaning. "SET PRESET xxx"</p> <p>When Presetxxx is stored "PRESETxxx" When camera reach to Preset xxx</p> <p>"PATTERN x" When Pattern x is in action</p> <p>" SWGx/PRESETxxx" When Swing x is in action</p> <p>"UNDEFINE D" When undefined function is called to run</p>
Preset Label	The label stored for specific Preset.
Alarm Input	<p>This information shows current state of Alarm Input. If an Input point is ON state it will show a number corresponding to each point If an Input point is OFF state, ' - ' will be displayed</p> <p>Ex) Point 2&3 of inputs are ON, OSD will show as below</p>

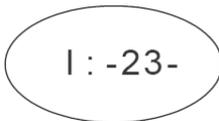
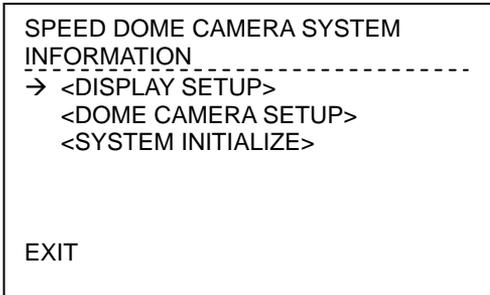


Image Flip Shows that images are currently reversed by Auto Flip Function.

GENERAL RULES OF KEY OPERATION FOR MENU

- The menu items surrounded with () always has its sub menu.
- For all menu level, to go into sub menu, press NEAR key.
- To go to up-one-level menu, press FAR key.
- To move from items to item in the menu, use joystick in the Up/Down or Left/Right. To change a value of an item, use Up/Down of the joystick in the controller.
- Press NEAR key to save values and Press FAR key to cancel Values.

MAIN MENU



System Info Displays system information and configuration.

Display Setup Enable/Disable of OSD display on Main Screen

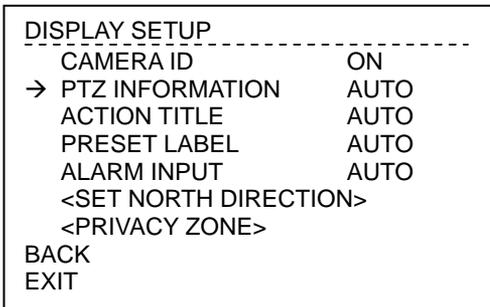
Dome Camera Setup Configure various functions of this camera.

System Initialize Initializes system configuration and sets all data to factory default configuration

DISPLAY SETUP

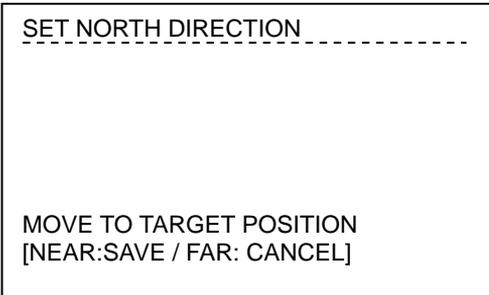
This menu defines Enable/Disable of OSD display on Main Screen.

If an item is set to be AUTO, the item is displayed only when the value of it is changed.



Camera ID [ON/OFF]
PTZ Info [ON/OFF/AUTO]
Action Title [ON/OFF/Auto]
Preset Label [ON/OFF/AUTO]
Alarm Input [ON/OFF/AUTO]

Compass Direction Setup

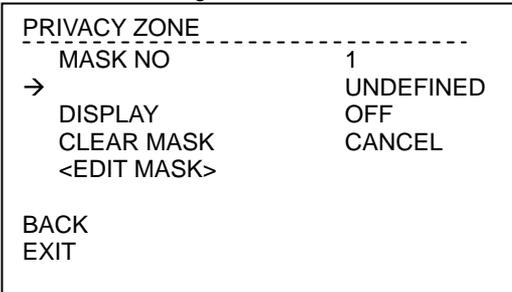


Set North to assign compass direction as criteria. Move camera and press NEAR button to save.

PRIVACY ZONE MASK SETUP

<Display Setup>→<Privacy Zone>

Select area in image to mask



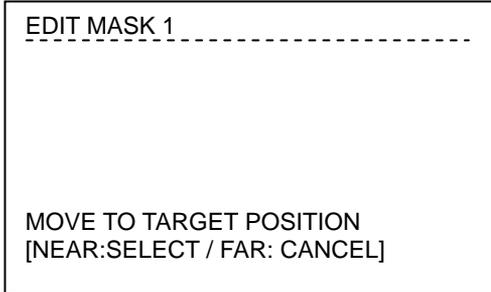
Mask No. Select Mask number. If the selected mask has already data, camera moves as it was set. Otherwise, “UNDEFINED” will be displayed under “Mask No”.

- Display [ON/OFF]
Sets if camera makes mask shows or not on images
- Clear Mask [CANCEL/OK]
Deletes data in the selected Mask No.

Privacy Zone Area Setup

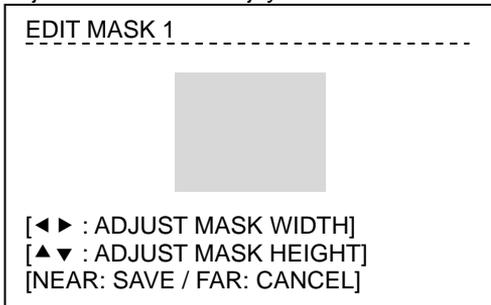
<Display Setup>→<Privacy Zone>→<Edit Mask>

Move camera to area to mask. Then the menu to adjust mask size will be displayed.



Privacy Zone Size Adjustment

Adjust mask size. Use joystick or arrow buttons to adjust mask size.



- ◀▶ (Left/Right) Adjusts mask width.
▲▼ (Up/Down) Adjusts mask height.

CAMERA SETUP

<Dome Camera Setup>→<Camera Setup>

Setup the general functions of zoom camera module.

ZOOM CAMERA SETUP	
→ FOCUS MODE	SEMIAUTO
DIGITAL ZOOM	ON
LINE LOCK	OFF
<WHITE BALANCE SETUP>	
<AUTO EXPOSURE SETUP>	
BACK	
EXIT	

Focus Mode [AUTO/MANUAL/SEMIAUTO]
Sets camera focus mode.
SEMIAUTO Mode
This mode exchanges focus mode automatically between Manual Focus mode and Auto Focus mode. Manual Focus mode activates in preset operation and Auto Focus mode activates when jog operation starts. With Manual mode at presets, Focus data is memorized in each preset in advance and camera calls focus data in correspondence with presets as soon as camera arrives at a preset.

Digital Zoom [ON/OFF]
Sets digital zoom function to ON/OFF. If this is set to OFF, optical zoom function runs but zoom function stops at the end of optical zoom magnification.

Line Lock [ON/OFF]
If Line lock sync is ON, video signal is synchronized with AC power. Video can be fluctuated after setting is changed.

White Balance Setup

<Dome Camera Setup>→<Camera Setup>→<White Balance Setup>

WB SETUP - GLOBAL	
→ WB MODE	AUTO
RED ADJUST	----
BLUE ADJUST	----
BACK	
EXIT	

WB Mode [AUTO/MANUAL]
In Manual mode, Red and Blue level can be set up manually.
Red Adjust [10~60]
Blue Adjust [10~60]

Auto Exposure Setup

<Dome Camera Setup>→<Camera Setup>→<Auto Exposure Setup>

AE SETUP - GLOBAL	
→ BACKLIGHT	OFF
DAY/NIGHT	AUTO1
BRIGHTNESS	25
IRIS	AUTO
SHUTTER	ESC
AGC	NORMAL
SSNR	MIDDLE
SENS-UP	<AUTO>
BACK	
EXIT	

Backlight	[ON/OFF] Sets Backlight Compensation
Day/Night	[AUTO1/AUTO2 DAY/NIGHT] AUTO1 exchanges Day/Night mode faster than AUTO2.
Brightness	[0~100] Adjusts brightness of images. Iris, Shutter Speed and Gain are adjusted automatically in correspondence with this value
IRIS	[AUTO/MANUAL(0~100)] If Iris is set to Auto Iris should have highest priority in adjusting AE and Shutter Speed should be fixed. If Iris is set to Manual, Iris should be fixed and Iris has lower priority in adjusting AE, in comparison with others.
Shutter Speed	[ESC/A. Flicker/Manual (x 128~1/120000 sec)] If Iris is set to Manual and Shutter Speed is set to ESC, Shutter Speed should have highest priority. If Shutter Speed is set to A. Flicker, to remove Flicker, Shutter Speed should be set to 1/100 secretary for NTSC and 1/120 for PAL.
AGC	[OFF/NORMAL/HIGH] Enhances image brightness automatically in case that luminance level of image signal is too low.
SSNR	[OFF/LOW/MIDDLE/HIGH] Enhances images by deducting noises when gain level of images is too high.
Sens-Up	[AUTO(2~128)/OFF] Activates Slow Shutter function when luminance of Image (signal) is too dark. It is possible to set up the maximum number of frames piled up one on another by Slow Shutter function

MOTION SETUP

<Dome Camera Setup>→<Motion Setup>

Setup the general functions of Pan/Tilt motions.

MOTION SETUP -----	
MOTION LOCK	OFF
→ PWR UP ACTION	ON
AUTO FLIP	ON
JOG MAX SPEED	120°/SEC
JOG DIRECTION	INVERSE
FRZ IN PRESET	OFF
<PARKING ACTION SETUP>	
<ALARM INPUT SETUP>	
BACK	
EXIT	

- Motion Lock** [ON/OFF]
Group. It is possible only to run those functions. To set up and delete those functions, enter into OSD menu.
- Power Up Action** [ON/OFF]
Refer to “Other Functions” section on page 14.
- Auto Flip** [ON/OFF]
Refer to “Other Functions” section on page 14.
- Jog Max Speed** [1° /sec~360° /sec]
Sets maximum jog speed. Jog speed is inversely proportional to zoom magnification. As zoom magnification goes up, pan/tilt speed goes down.
- Jog Direction** [INVERSE/NORMAL]
If you set this to 'Inverse', the view in the screen is moving same direction with jog tilting. If 'Normal' is selected, the view in the screen is moving reversely.
- Freeze In Preset** [ON/OFF]
At start point of preset movement, camera starts freezing the image of start point. Camera keeps displaying the image of start point during preset movement and does not display the images which camera gets during preset movement. As soon as camera stops at preset end point, camera starts displaying live images which it gets at preset end point. This function availability should be different by models.

Parking Action Setup

<Dome Camera Setup>→<Motion Setup>→<Parking Action Setup>

If Park Enable is set to ON, camera runs assigned function automatically if there is no PTZ command during assigned "Wait Time".

PARKING ACTION SETUP	
PARK ENABLE	OFF
→ WATI TIME	00:10:00
PARK ACTION	HOME
BACK	
EXIT	

Park Enable [ON/OFF]

Wait Time [1 minute ~ 4 hours]
The time is displayed with "hh:mm:ss" format and you can change this by 1 min unit.

Park Action [HOME/PRESET/PATTERN/SWING/GROUP]
HOME
Camera moves to home position if there is no PTZ command during assigned "Wait Time".

Alarm Input Setup (For Outdoor PTZ, SS10W-C65H)

<Dome Camera Setup>→<Motion Setup>→<Alarm Input Setup>

Match the Alarm sensor input to one of Preset positions. If an external sensor is activated, camera will move to corresponding preset position when this item is predefined.

ALARM INPUT SETUP	
ALARM1 TYPE	N.OPEN
ALARM2 TYPE	N.OPEN
ALARM3 TYPE	N. OPEN
ALARM4 TYPE	N.OPEN
ALARM1 ACT	NOT USED
ALARM2 ACT	NOT USED
ALARM3 ACT	NOT USED
ALARM4 ACT	NOT USED
BACK	
EXIT	

- Alarm x Type [Normal OPEN/Normal CLOSE]
Sets sensor input type.
- Alarm x Action [Not USED/PRESET1~128]
Assign counteraction preset position to each alarm input.

PRESET SETUP

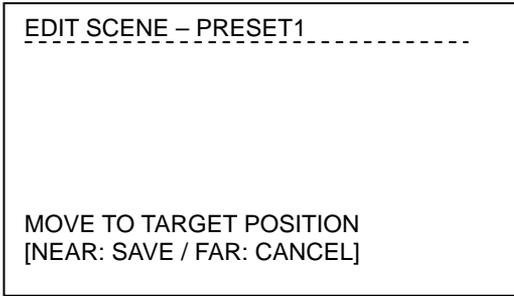
<Dome Camera Setup>→<Preset Setup>

PRESET SETUP	
→ PRESET NO	1
CLR PRESET	CANCEL
<EDIT SCENE>	
<EDIT LABEL>	LABEL 123
CAM ADJUST	GLOBAL
BACK	
EXIT	

- Preset Number [1~128] (Except [95])
If a selected preset is already defined, camera moves to pre- defined position and preset characteristics such as Label and Relay Outputs show on monitor. If a selected preset is not defined. "UNDEFINED" shows on monitor.
- Clear Preset [CANCEL/OK]
Delete current Preset data.
- Edit Preset Scene Redefine current Preset scene position (i.e. PTZ)
- Edit Preset Label Edits Label to show on monitor when preset runs
MAX. 10 alphabets are allowed
- CAM Adjust [GLOBAL/LOCAL]
WB (White Balance) and AE (Auto Exposure) can be set up independently for each preset. There are 2 modes, "Global" mode & "Local" mode. The Global mode means that WB or AE can be set up totally and simultaneously for all presets in "ZOOM CAMERA SETUP" menu. The Local mode means that WB or AE can be set up independently or separately for each preset in each preset setup menu. Each Local WB/AE value should activate correspondingly when camera arrives at each preset location. During jog operation, Global WB/AE value should be applied. All Local WB/AE value should not change although Global WB/AE value changes. If "Local" is selected, Menu to set WB/AE shows on Monitor.

Edit Preset Scene

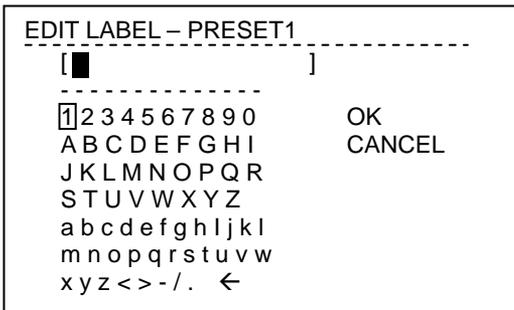
<Dome Camera Setup>→<Preset Setup>→<Edit Scene>



1. Using Joystick, move camera angle to desired position.
2. By pressing NEAR key, save current PTZ data.
3. Press FAR key to cancel.

Edit Preset Label

<Dome Camera Setup>→<Preset Setup>→<Edit Label>



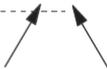
1. Edits label to show on monitor when camera arrives at presets. In Edit Label menu, a reverse rectangular is cursor As soon as finishing selecting alphabet, cursor moves to the next digit



Current Cursor Position

2. Using Left/Right/Up/Down of joystick, move to an appropriate character from the Character set. To choose that character, press the NEAR key.

x y z < > - / . <←



Space Char. Back Space Char

If you want to use blank, choose Space character (" "). If you want to delete a character before, use back space character ("←").

- If you complete the Label editing, move cursor to "OK" and press NEAR key to save completed label. To abort current change, move cursor to "Cancel" and press NEAR key.

SWING SETUP

<Dome Camera Setup>→<Swing Setup>

SWING SETUP	
→ SWING NO	1
1ST POS	NOT USED
2ND POS	NOT USED
SWING SPEED	30°/SEC
CLEAR SWING	CANCEL
BACK	
EXIT	

Swing Number [1~8]
 Selects Swing number to edit. If a selected Swing has not defined, "NOT USED" is displayed in 1st position and 2nd position.

1st Position [PRESET 1~128] (Except [95])
 2nd Position Set up the 2nd position for Swing function. If a selected preset is not defined, "UNDEFINED" will be displayed as shown below:

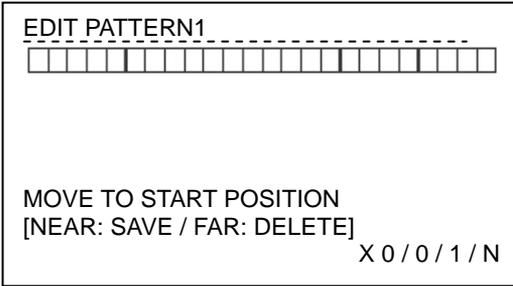
The diagram shows a screen titled "SWING SETUP" with a dashed line separator. Below the separator, the following text is displayed:

SWING NO.	1
1ST POS.	PRESET5
2ND POS.	NOT USED

An arrow points to the text "UNDEFINED" located below the "2ND POS." field.

When swing function runs, camera moves from the preset assigned as the 1st point to the preset assigned as the 2nd point in CW (Clockwise) direction. Then camera moves from the preset assigned as the 2nd point to the preset assigned as the 1st point in CCW (Counterclockwise) direction. In case that the preset assigned as the 1st point is same as the preset assigned as the 2nd point camera turns on its axis by 360° in CW direction and then it turns on its axis by 360° in CCW direction.

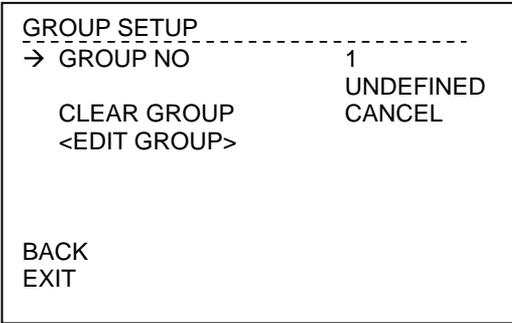
2. Move camera with joystick or run preset function to memorize the path (mostly curve path) in a selected pattern. The total memory size and the rest memory size is displayed in the form of bar. Maximum 1200 communication commands can be stored in a pattern.



3. To save data and exit, press NEAR key. To cancel recording and delete recording data, press FAR key.

GROUP SETUP

<Dome Camera Setup>→<Group Setup>



- | | |
|--------------|--|
| Group Number | [1~8]
Selects group number to edit. If a selected group number is not defined, "UNDEFINED" will be displayed under selected group number. |
| Clear Group | [CANCEL/OK]
Deletes data in current Group. |
| Edit Group | Starts editing Group. |

Edit Group

<Dome Camera Setup>→<Group Setup>→<Edit Group>

1. Press Near key in "NO" list to start Group setup.

EDIT GROUP 1				
→ NO.	ACTION	###	DWELL	OPT
1	NONE			
2	NONE			
3	NONE			
4	NONE			
5	NONE			
SAVE				
CANCEL			[NEAR:EDIT]	

2. Note that MAX.20 Functions are allowed in a Group. Move cursor up/down and press Near key to set up.

EDIT GROUP 1				
NO.	ACTION	###	DWELL	OPT
→ 1	NONE			
2	NONE			
3	NONE			
4	NONE			
5	NONE			
SAVE		[NEAR:EDIT ACT]		
CANCEL			[FAR:EDIT:END]	

3. Setup Action, Dwell time and Option. Note that selected item is displayed in reverse. Move cursor Left/Right to select items and move cursor Up/Down to change each value.

EDIT GROUP 1				
NO.	ACTION	###	DWELL	OPT
1	NONE			
2	NONE			
3	NONE			
4	NONE			
5	NONE			
SAVE		[◀▶: MOVE CURSER]		
CANCEL			[▲▼: CHANGE VAL]	

Action ### [NONE / PRESET / SWING / PATTERN]

DWELL [0 seconds~4 minutes]

OPT Option
It should be preset speed when preset is set in Action and the number of repeat when Pattern or Swing is selected in Action.

4. Setup items such as Action, ###, Dwell and OPT.

EDIT GROUP 1				
NO.	ACTION	###	DWELL	OPT
1	PRESET	1	00:03	360
2	NONE			
3	NONE			
4	NONE			
5	NONE			

SAVE [◀▶: MOVE CURSER]
CANCEL [▲▼: CHANGE VAL]

5. After finishing setting up an Action, Press Near key to one-upper-level. Move cursor Up/ Down to select Action number and repeat Step 1~4 to edit selected Group.

EDIT GROUP 1				
NO.	ACTION	###	DWELL	OPT
→ 1	NONE	1	00:03	360
2	NONE			
3	NONE			
4	NONE			
5	NONE			

SAVE [NEAR:EDIT ACT]
CANCEL [FAR:EDIT END]

6. After finishing setting up all Action, Press FAR key to exit. Then cursor should be moved to " SAVE ", Press Near key to save data.

EDIT GROUP 1				
NO.	ACTION	###	DWELL	OPT
1	NONE	1	00:03	360
2	NONE			
3	NONE			
4	NONE			
5	NONE			

→ SAVE [NEAR:EDIT ACT]
CANCEL [FAR:EDIT END]

SYSTEM INITIALZE

SYSTEM INITIALZE	
CLEAR ALL DATA	N O
• CLR DISPLAY SET	N O
• CLR CAMERA SET	N O
• CLR MOTION SET	N O
• CLR EDIT DATA	N O
REBOOT CAMERA	N O
REBOOT SYSTEM	N O
SAVE	
CANCEL	

- Clear All Data Deletes all configuration data such as display camera, motion set, and so on.
- Clear Display Set Initializes Display Configuration
- Clear Camera Set Initializes Camera Configuration
- Clear Motion Set Initializes Motion Configuration
- Clear Edit Date Deletes preset date, swing data, pattern data and group data
- Reboot Camera Reboots Zoom camera module
- Reboot System Reboots speed dome camera

Initial Configuration Table

Display Configuration	
Camera ID	ON
PTZ Information	AUTO
Action Title	AUTO
Preset Label	AUTO
Alarm Input	AUTO
North Direction	Pan 0°
Privacy Zone	Undefined

Camera Configuration	
Focus Mode	Focus Mode
Digital Zoom	Digital Zoom
Line Lock	Line Lock
White Balance	White Balance
Backlight	Backlight
Day & Night	Day & Night
Brightness	Brightness
Iris	Iris
Shutter	Shutter
AGC	AGC
SSNR	SSNR
SENS-UP	SENS-UP

Motion Configuration	
Motion Lock	OFF
Power Up Action	ON
Auto Flip	ON
Jog Max Speed	120°/sec
Jog Direction	INVERSE
Freeze In Preset	OFF
Park Action	OFF
Alarm Action	OFF

User Edit Data	
Preset 1~28	Undefined
Swing 1~8	Undefined
Pattern 1~4	Undefined
Group 1~8	Undefined

SPECIFICATION

Model	SS10C-C65H	SS10W-C65H
Mount Type	Ceiling Mount	Arm Type Wall Mount
Image Sensor	1/4" Interline Transfer CCD	
Effective Pixels	NTSC: 967(H)×494(V) PAL: 960(H)×582(V)	
Resolution	650 TV Lines (Color), 700 TV Lines (B/W)	
S/N Ratio	50 dB (AGC Off)	
Zoom	x10 Optical Zoom, x10 Digital Zoom	
Focal Length	F1.8, f=3.8~38mm	
Min. Illumination	0.7 Lux (Color) / 0.02 Lux (B/W), 50 IRE	
Day & Night	Auto / Day / Night (ICR)	
Iris	Auto / Manual	
Shutter Speed	1/50 ~ 1/120,000 sec	
AGC	Normal / High / Off	
White Balance	Auto / Manual (Red, Blue Gain Adjustable)	
BLC	Low / Middle / High / Off	
Range	Selectable	
Flickerless	Low / Middle / High / Off	
SSNR Pan/Tilt Speed	Pan: 360° (Endless) ; Tilt 180° (Auto-flip, 95° (Normal))	
Preset	Preset: 360°/sec Manual: 0.05°~360°/sec (Proportional to zoom) Swing: 1~180°/sec 127 Preset (Label, Camera Image Setting)	
Pattern	4 Pattern, 1200 Commands (about 5 minute)/pattern	
Swing	8 swing	
Group	8 groups (20 action entities per group)	
Other Functions	Auto flip, Auto parking, Power up action, etc.	
Communication	RS-485	
Protocol	Pelco-D, Pelco-P selectable	
Privacy Zone	4 Zone	
Alarm Input	No	4 Input
OSD	Menu / PTZ Info, etc.	
Fan & Heater	No	Yes
Rated Power	12V DC / 0.8 A	12V DC / 1.1A
Operation Temp.	32°F ~ 104°F / 0°C~40°C	-22°F ~ 122°F / -30°C ~ 50°C
Dimension	Ø5.04 x 7.36(H) inches / Ø128 x 187(H) mm	Ø7.48 x 5.67(H) inches / Ø190 x 144(H)mm
Weight	2.65 lbs / 1.2 kg	5.51 lbs / 2.5 kg

* Specifications are subject to change without notice.

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