www.cnbtec.com

XPEED Outdoor Series Ver 1.0

INSTALLATION AND OPERATION MANUAL (3810-0250A_110119)









Outdoor

Series



• Important Safety Instructions

Read Instructions

Read all of the safety and operation instructions before using the product.

■Retain Instructions

Save these instructions for future reference.

■Attachments / Accessories

Do not use attachments or accessories unless recommended by the appliance manufacturer as they may cause hazards, damage product
and void warranty.

■Installation

Do not place or mount this product in or on an unstable or improperly supported location. Improperly installed product may fall, causing serious
injury to a child or adult, and damage to the product. Use only with a mounting device recommended by the manufacturer, or sold with the
product. To insure proper mounting, follow the manufacturer's instructions and use only mounting accessories recommended by manufacturer.

■Power source

• This product should be operated only from the type of power source indicated on the marking label.

Precautions

■Operating

- Before using, make sure power supply and others are properly connected.
- While operating, if any abnormal condition or malfunction is observed, stop using the camera immediately and then contact your local dealer.

Handling

- Do not disassemble or tamper with parts inside the camera.
- do not drop or subject the camera to shock and vibration as this can damage camera.
- Care must be taken when you clean the clear dome cover. Especially, scratch and dust will ruin your quality of camera.

Installation and Storage

- Do not install the camera in areas of extreme temperature, which exceed the allowable range.
- Avoid installing in humid or dusty places.
- Avoid installing in places where radiation is present.
- Avoid installing in places where there are strong magnetic fields and electric signal.
- Avoid installing in places where the camera would be subject to strong vibrations.

Table of Contents

1. Introduction

Features	4
Product & Accessories	6
Parts Name & Functions	7
2. Installation	
Dip Switch Setup	
Installation Using the Wall Mount	11
Installation Using the Pendant Mount	12
Wire Connections	13
3. Operation	
Check Points before Operation	15
Preset and Pattern Function Pre-Check	15
Starting OSD Menu	15
Reserved Preset	15
Preset	16
Swing	16
Pattern	16
Group	17
Other Functions	17
4. OSD Menu	
OSD Display of Main Screen	18

General Rules of key Operation for Menu	19
Main Menu	19
Display Setup	19
Privacy Zone Mask Setup (26x (S2465N(P)X), 36x (S2965N(P)X) EXview 27x(SCN-22Z27F /SCN-23Z27F) (Option) Models Only)	20
Camera Setup (27x (SCN-22Z27F /SCN-23Z27F models)	21
Camera Setup (26x (S2465N(P)X), 36x (S2965N(P)X) EXview Models)	23
Motion Setup	25
Preset Setup	26
Swing Setup	28
Patten Setup	29
Group Setup	30
System Initialize	32
b. Specifications	
26x (S2465N(P)X) EXview Models	33
27x (SCN-22Z27F/SCN-23Z27F) Models	34
36x (S2965N(P)X) EXview Models	35
Dimensional Drawings	36

System Model Numbers 38 Related Accessories 38

1. Introduction

• Features

■Camera Specifications

Image Pick-up Device: 1/4" Interline Transfer CCD

 Zoom Magnification: 	26x Optical Zoom, 12x Digital Zoom (Max. 312x Zoom) → Model S2465N(P)X
	27x Optical Zoom, 10x Digital Zoom (Max. 270x Zoom) → Model SCN-22Z27F /SCN-23Z27F
	36x Optical Zoom, 12x Digital Zoom (Max. 432x Zoom) → Model S2965N(P)X

- Day & Night Function
- Various Focus Mode : Auto-Focus / Manual Focus / SemiAuto Focus.
- Each Preset has its own video configuration, label, relay output setting values. You can adjust each Preset setting independently.

■Powerful Pan/Tilt Functions

- Max. 360°/sec high speed pan/Tilt Movement
- Using Vector Drive Technology, Pan/Tilt motions are accomplished in a shortest path. As a result, time to target view is reduced dramatically and the video on the monitor is very natural to watch.
- For jog operation using a controller, since ultra slow speed 0.05°/sec can be reached, it is very easy to locate camera to desired target view. Additionally it is easy to move camera to a desired position with zoom-proportional pan/tilt movement.

■Preset, Pattern, Swing, Group, Privacy Mask and More...

- Max. 127 Presets are assignable and characteristics of each preset can be set up independently, such as white Balance, Auto Exposure, Label, Digital Outputs and so on.
- Max. 8 set of Swing action can be stored. This enables to move camera repetitively between two preset positions with designated speed.
- Max. 4 of patterns can be recorded and played back. This enables to move camera to follow any trajectory operated by joystick as closely as possible.
- Max. 8 set of Group action can be stored. This enables to move camera repetitively with combination of preset or pattern or Swing. A Group is composed of Max. 20 entities of Preset/Patten/Swings.
- Privacy Masks are assignable, not to intrude on other's privacy. (8 Privacy Zones)
 → Only available with Models S2465N(P)X, S2965N(P)X, SCN-22227F /SCN-23227F (option)

■PTZ(Pan/Tilt/Zoom) Control

- With RS-485 communication, Max. 255 of cameras can be controlled at the same time.
- · Pelco-D, Pelco-P, Samsung or Panasonic protocol can be selected as a control protocol in the current version of firmware.

■OSD(On Screen Display) Menu

• The information such as Camera ID, Pan/Tilt Angle, Alarm I/O and Preset can be displayed on screen.

■Alarm I/O Functions

- 4 alarm sensor inputs and 2 alarm Output relays are available.
- To reject external electric noise and shock perfectly, alarm sensor Input is decoupled with photo coupler and the relay is used for alarm output.
- The signal range of sensor input is from DC 5.0 to 12.0 volts to adopt various applications. Meanwhile, the maximum load of relay contact is 250VAC, 3A or 28VDC, 3A.
- If an external sensor is activated, camera con be set to move to the corresponding Preset position. Meanwhile, the output relay can be matched to some specific preset positions to do counteractions such as turning on the light or sound the alarm.

■Reserved Presets for Special Purpose

Most camera characteristics can be set up easily and directly with reserved preset, not entering into OSD menu. For more information, refer to
 "Reserved Preset" in this manual.

■Easy Installation and Perfect Outdoor Environment Compatibility

- Fans and heaters are built-in camera for cold and hot temperature environment. Also idealistic mechanical design protects camera from water and dust. (IP 66)
- · It is easy to install and maintain camera with terminal for cable connection in brackets.

1. Introduction

$\odot~$ Product & Accessories

Basic Components



Other Components (available to be ordered separately)



1. Introduction

○ Parts Name & Functions



③ TACT Switch Network Board Factory reset

2. Installation

- Before installing the camera, you should set the DIP switches to configure the camera ID, communication protocol. Do not use the system
 upgrade terminal.
- DIP Switch Setup



Camera ID Setup



• ID number of camera is set using binary number.

The example is shown bellow.

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

The range of ID 1~255. Do not use 0 as camera ID.

- · Factory default of Camera ID is 1.
- If you want to control a certain camera, you must match the camera ID with Cam ID setting of DVR or Controller.

Series

2. Installation

Communication Protocol Setup



• Select the appropriate Protocol With DIP switch combination.

Switch state				
P0 (Pin 1)	P1(Pin 2)	P2(Pin 3)	Protocol/Baud rate	
OFF	OFF	OFF	PELCO-D, 2400bps	
ON	OFF	OFF	PELCO-D, 9600bps	
OFF	ON	OFF	PELCO-P, 4800bps	
ON	ON	OFF	PELCO-P, 9600bps	
OFF	OFF	ON	SAMSUNG, 4800bps	
ON	OFF	ON	PANASONIC, 9600bps	
Others			Reserved	

• If you want to control using DVR or P/T controller, their protocol must be identical to camera. Otherwise, you can not control the camera.

- It you changed camera protocol by changing DIP S/W, the change will be effective after you reboot the camera.
- · Factory default of protocol is "Pelco-D, 2400bps".
- Input Sensor Active Type



When a sensor input is used, its functional type should be set.

There are two types; Normal Open type and Normal Close type. -Normal Open : Voltage is let out when the sensor is activated

-Normal Close : Voltage is let out when the sensor is not activated

Pin	Switch position	Sensor type	
ST1 (Dip 4)	ON	Sensor 1 Normal Close	
511 (Pin 4)	OFF	Sensor 1 Normal Open	
ST2 (Pin 5)	ON	Sensor 2 Normal Close	
	OFF	Sensor 2 Normal Open	
ST3 (Pin 6)	ON	Sensor 3 Normal Close	
	OFF	Sensor 3 Normal Open	

ST4 (Pin 7)	ON	Sensor 4 Normal Close
	OFF	Sensor 4 Normal Open

• If a wrong type of sensor is selected, it activates in the opposite way to the sensor input.

Termination Switch Setting



- Termination switch (Pin 4) is used in cases listed below.
- Long-distance communication between the controller and the camera (1-to-1 connection)
 When the connection distance between the two units is especially long, communication errors may occur due to the impedance of transmission cable. In this case, set the termination switch of both units to ON.
- Controlling multiple cameras (Multiple connection)

The camera may not operate correctly if multiple cameras are connected and controlled. In this case, set the termination switch of the controller and the last connected camera to ON and the switch of other cameras is OFF.

Ex) Using the Terminating Resistance.



10

2. Installation

 $\odot~$ Installation Using the Wall Mount



XPEED WWW.CNBTEC.COM



2. Installation

 $\odot\,$ Installation Using the Pendant Mount



XPEED WWW.CNBTEC.COM

Outdoor

- 0 Wire cables to terminal blocks on the PCB in Ceiling Mount Bracket.
- ③ Hook up "Drop Prevention Spring" on main body to prevent camera from unexpected drop and connect Main Body Cable to Main Body Connector in Ceiling Mount Bracket.



① To pass cables to upside of ceiling, please make a hole with 50~60mm diameter on the ceiling panel and



- ④ Line up the mold lines and assemble main body to Ciling Mount Bracket.
- ⑤ Turn main body on its axis in CW (Clockwise) direction and, after assembling them, screw main body to Ceiling Mount Bracket to protect them from separation by vibration or others.
- 0

0



2. Installation



\odot Wire Connections



Power Connection

• The standard power for the system is 24VAC / 2A.

Please, check the voltage and current capacity of rated power carefully.

Video Connection

Connect With BNC coaxial cable.

RS-485 Communication

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



2. Installation

Sensor Input/Relay Output

Sensor input connection



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 types.

Also, the sensor type, i.e. "Normal Open" or "Normal Close" in DIP switch in main body of camera must be set properly.

Signal Line	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 port as shown in the circuit above.

Relay output connection



Maximum allowable electrical load of relay is shown bellow table.

Driving Power	DC	110VAC	220VAC
Max. Capacity	28VDC, 3A	110VAC, 3A	250VAC, 3A

3. Operation

○ Check Points before 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 switches 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 switches, 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 can not 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 operate camera function fully when using controller or DVR.

 Refer to the following 	ng table when using standard Pelco protocol controller.
<go preset=""></go>	Input[Preset Number] and press [Preset] button shortly.
<set preset=""></set>	Input[Preset Number] and press [Preset] button for more than 2 seconds.
<run pattern=""></run>	Input[Pattern number] and press [Pattern] button shortly.
<set pattern=""></set>	Input[Preset Number] and press [Pattern] button for more than 2 seconds.

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 I/O function can be configured for each application.

Enter Menu : <Go Preset> [95]

⊙ Reserved Preset

Function

- Description Some Preset numbers are reserved to special functions.
 - 1. <Go Preset> [95] : Enters into OSD menu
 - 2. <Go Preset> [131-134] : Runs pattern function 1~4
 - 3. <Go Preset> [141~148] : Runs Swing Function 1~8
 - 4. <Go Preset> [151~158] : Runs Group Function 1~8

3. Operation

\odot Preset

Function	Max. 127 positions can be stored as Preset position. The Preset number can be assigned from 1 to 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 Relay Outputs should be set to OFF as default. "Camera Adjust" should be set "GLOBAL" as default. All characteristics can be
	set up in OSD menu.
 Set Preset 	<set preset=""> [1~128]</set>
Run Preset	<go preset=""> [1~128]</go>
Delete Preset	To delete Preset, use OSD menu

\odot Swing

Function

By using Swing function, you can make camera to move between 2 Preset positions repeatedly.

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 2	nd point,
	Camera turns on its axis by 360° in CW(Clockwise) direction and then it turns on its axis	by 360° in
	CCW(Counterclockwise) direction. Speed can be set up from 1°/sec to 180°/sec	
 Set Swing 	To set Swing, use OSD menu	
Run Sing	Method 1) <run pattern=""> [Swing NO.+10] → ex) Run Swing 3 : <run pattern="">[13]</run></run>	
	Method 2) <go preset=""> [Swing NO.+140] → ex) Run Swing 3 : <go preset="">[143]</go></go>	
 Deleting Swing 	To delete Swing, use OSD menu.	
⊙ Pattern		
Function	Pattern Function is that a camera memorizes the path (mostly curve path) by joystick of	of controller and preset move functions for
	assigned time and revives the path exactly as it memorized.	
	4 Patterns are available and Maximum 1200 communication commands can be stored in	a pattern.
Setting Pattern	Pattern can be created by one of following two methods.	
	Method 1) <set pattern=""> [Pattern NO.]</set>	EDIT PATTERN 1
	- Pattern editing screen is displayed as bellow.	
	- Movement by Joystick and preset movement can be	
	memorized in a pattern.	
	- The rest memory size is displayed in progress bar.	[NEAR : SAVE /FAR : DELETE]
	- To save the recording, press $\ensuremath{\textbf{NEAR}}$ key and to cancel, press $\ensuremath{\textbf{FAR}}$ key.	0/0/x1/N
	Method 2) Using OSD Menu : See the section "how to use OSD Menu".	
Run Pattern	Method 1) <run pattern="">[Pattern NO.] → ex) Run Pattern 2 : <run pattern="">[2]</run></run>	
	Method 2) <go preset="">[Pattern NO.+130] → ex) Run Pattern 2 : <go preset="">[132]</go></go>	
Delete Pattern	Use OSD menu to delete a Pattern.	

- 3. Operation

\odot 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.



Setting Group

• Run Group

Deleting Group

Use OSD Menu to create a Group. 1) <Run Pattern>[Group No.+20] → ex)Run Group7 : <Run Pattern>[27] 2) <Go Preset>[Group No.+150] → ex)Run Group7 : <Go Preset>[157] Use OSD Menu to delete.

○ 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 fort his function but Jog actions are not available to resume.
Auto Flip	In case that tilt angle arrives at the top of tilt orbit(90°), the zoom module camera pans180° to keep tracing targets.
	If this function is set to OFF, tilt movement range is 0~95°
Park 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.
• Alarm I/O	4 Alarm Inputs and 2 Alarm Outputs (Relay output) are used. If an external sensor is activated, camera can be set to move to
	corresponding preset position. Also, the output relay can be matched to some specific preset positions to do counteractions
	such as turning on the light or sounding the alarm.
	It is noted that the latest alarm input is effective if multiple sensors are activated.
 Privacy Zone Mask 	To protect privacy, Max. 8 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. This function is only
	available with S2465N(P)X, S2665N(P)X, S2965N(P)X and SCN-22Z27F /SCN-23Z27F(P)(Option).
Global/Local	WB(White Balance) and AE(Auto Exposure) can be set up independently for each preset. There are 2modes, "Global" mode &
Image Setup	"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 do not change although Global WB/AE
	value changes.
SemiAuto 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 ion operation. With Manual
	mode at preset. Excus 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

4. OSD Menu

$\odot~$ OSD Display of Main Screen



4. OSD Menu



○ 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.
- Specifications and functions should be different by models.

⊙ Main Menu

SPEED DOME CAMERA

→ <SYSTEM INFORMATION> <DISPLAY SETUP> <DOME CAMERA SETUP>

<SYSTEM INITIALIZE>

SYSTEM INFORMATION

DISPLAU SETUP

Displays system information and configuration.

Initializes system configuration and sets all data to

Series

- **TUP** Enable/Disable of OSD display on Main Screen.
- DOME CAMERA SETUP
 Configure various functions of this camera.

factory default configuration.

SYSTEM INITIALIZE

○ Display Setup

EXIT



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 INFORMATION	[ON/OFF/AUTO]
ACTION TITLE	[ON/OFF/AUTO]
PRESET LABEL	[ON/OFF/AUTO]
· ALARM I/O	[ON/OFF/AUTO]

COMPASS DIRECTION SETUP

SET NORTH DIRECTION

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

MOVE TO TARGET POSITION [NEAR:SAVE /FAR:CANCEL]

Outdoor

4. OSD Menu

○ Privacy Zone Mask Setup

(Models S2465N(P)X, S2965N(P)X, SCN-22Z27F /SCN-23Z27F (Option) Only)

PRIVACY ZONE		Soloot area in imag	a ta maak
→ MASK NO DISPLAY CLEAR MASK <edit mask=""></edit>	1 UNDEFINED OFF CANCEL	MASK NO	 [1~8] Select Mask number. If the selected mask has already data, camera moves as it was set. Otherwise, "UNDEFINED" will be displayed under "MASK NO".
BACK EXIT		• 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



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

Privacy Zone Size Adjustment

⊙ Camera Setup (Model SCN-22Z27F /SCN-23Z27F)



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

- • (Left/Right) Adjusts mask width.
- • (Up/Down) Adjusts mask height.

4. OSD Menu

Outdoor

Series

		Setup the general functions of 27x optical zoom camera module.		
ZOOM CAMERA SETU	₽)	FOCUS MODE	[AUTO/MANUAL/SEMIAUTO]	
→ FOCUS MODE MAX ZOOM	SEMIAUTO X270		Sets camera focus mode.	
FLICKERLESS	OFF	 MAX ZOOM 	[x1 ~ x270]	
LINE LOCK OFF <white balance="" setup=""></white>	OFF ETUP>		Sets the maximum zoom magnification.	
<auto exposure="" s<="" th=""><th>SETUP></th><th>FLICKERLESS</th><th>[ON/OFF]</th></auto>	SETUP>	FLICKERLESS	[ON/OFF]	
BACK			When an NTSC camera if used under 50Hz and PAL under 60Hz	
EXIT	J		flickering may appear on the screen. When this happens, turn	
			FLICKERLESS setting ON. This prevents flickering which happens when the	
			frequency of the power and the frequency of camera are different. When	
			FLICKERLESS in ON, Day&Night mode goes DAY and Digital Slow Shutter	
			mode goes OFF automatically.	
		COLOR	[ON/OFF]	

COLOR

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.

Switching color mode to black-white mode

WHITE BALANCE SETUP

WHITTE BALANCE SE	TUP		[A
\rightarrow WB MODE	AUTO		In
•RED ADJUST			
•BLUE ADJUST		RED ADJUST	[0
		BLUE ADJUST	[0
BACK			
EXIT)	

AUTO/MANUAL] Manual mode, Red and Blue level can be setup manually.

~255]

4. OSD Menu

AUTO EXPOSURE SETUP



Outdoor

•

•

.

AUTO EXPOSURE SETU	JP
→ BACKLIGHT	OFF
DAY/NIGHT	AUTO
SLOW SHUTTER	OFF
AE MODE	AUTO
IRIS LEVEL	
•GAIN LEVEL	
 SHUTTER SPD 	
BRIGHTNESS	50
BACK	
EXIT	

BACKLIGHT	[OFF/C1/C2/L1/L2/U1/U2/D1/D2/R1/R2]
	Sets Backlight Compensation.
	The reference position and the level of BLC are selectable. Refer to the table
	below. Note1)
DAY/NIGHT	[AUTO/DAY/NIGHT]
SLOW SHOUTTER	[OFF/2~128 Field]
	Activates SLOW SHUTTER function when luminance of image(signal) is too dark.
	It is possible to set up the maximum number of fields piled up one on another by
	SLOW SHUTTER function. It is only available when DAY/NIGHT mode is DAY
AE MODE	[AUTO/SHUTTER/IRIS/AGC/MANUAL]
	There are five modes of Auto Exposure function.
	Except AUTO mode, the others can be selected when DAY/NIGHT mode is DAY
	and Slow Shutter mode is OFF.
IRIS LEVEL	[0~255]
	It can be set when AE is in IRIS mode or MANUAL mode.
GAIN LEVEL	[0~255]
	It can be set when AE is in AGC mode or MANUAL mode.
SHUTTER SPEED	[0~27]
	It can be set when AE is in SHUTTTER SPEED mode or in MANUAL mode.
	As for setting value, refer to the table below. Note2)
BRIGHTNESS	[0~96]
	It can be set when AE is not in MANUAL mode.

Note 1) Backlight Compensation

Value	Description	Value	Description
C1	Low weight at the center of the screen	C2	High weight at the center of the screen
L1	Low weight at the left of the screen	L2	High weight at the left of the screen
U1	Low weight at the upper of the screen	U2	High weight at the upper of the screen
D1	Low weight at the lower of the screen	D2	High weight at the lower of the screen
R1	Low weight at the right of the screen	R2	High weight at the right of the screen

Note2) Shutter Speed Table

*The values are based on NTSC type models.

Value	Shutter	Value	Shutter	Value	Shutter	Value	Shutter
0	1/60 sec	7	1/400 sec	14	1/1000 sec	21	1/2500 sec
1	1/125 sec	8	1/450 sec	15	1/1100 sec	22	1/2500 sec
2	1/150 sec	9	1/500 sec	16	1/1300 sec	23	1/3000 sec
3	1/200 sec	10	1/600 sec	17	1/1500 sec	24	1/3500 sec
4	1/250 sec	11	1/700 sec	18	1/1600 sec	25	1/4000 sec
5	1/300 sec	12	1/800 sec	19	1/1800 sec	26	1/6000 sec
6	1/350 sec	13	1/900 sec	20	1/2000 sec	27	1/10000 sec

4. OSD Menu

Outdoor

Series

○ Camera Setup (Models S2465N(P)X, S2965N(P)X)

ZOOM CAMERA SETUP	Setup the general fu	nctions of 26x / 36x optical zoom modules.
→ FOCUS MODE SEMIAU DIGITAL ZOOM ON FLICKERLESS OFF COLOR ON	• FOCUS MODE	[AUTO/MANUAL/SEMIAUTO] Sets camera focus mode.
LINE LOCK OFF <white balance="" setup=""> <auto exposure="" setup=""></auto></white>	DIGITAL ZOOM	[ON/OFF] Sets digital zoom on or off.
BACK EXIT	• FLICKERLESS	[ON/OFF] When an NTSC camera is used under 50Hz or PAL under 60Hz, flickering may appear on the screen. When this happens, turn Flickerlees setting ON. This prevents flickering which happens when the frequency of the power and the frequency of camera are different.
	• COLOR	[ON/OFF] Switching color mode to black-white mode.
	• 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

WHITTE BALANCE SETUP		• WB MODE	[AUTO/MANUAL] In Manual mode. Red and Blue level can be setup manually.
→ WB MODE •RED ADJUST •BLUE ADJUST	AUTO 	RED ADJUST	[0~255]
		BLUE ADJUST	[0~255]
BACK EXIT			



4. OSD Menu

AUTO EXPOSURE SETUP

AUTO EXPOSURE SET	UP
\rightarrow BACKLIGHT	OFF
DAY/NIGHT	AUTO
AE MODE	AUTO
IRIS LEVEL	
•GAIN LEVEL	
 SHUTTER SPD 	
 BRIGHTNESS 	
BACK	
EXIT	

BACKLIGHT	[ON/OFF]
	Sets Backlight Compensation.
• DAY/NIGHT	[AUTO/DAY/NIGHT]
• AE MODE	[AUTO/SHUTTER/IRIS/GAIN/BRIGHT/MANUAL] Selects automatic exposure mode. Each mode appears with adjustable values. When Flickeress mode is ON, AE mode is automatically in SHUTTER SPEED mode.
• IRIS LEVEL	[CLOSE/F1.6~F28] (Model S1465N(P)X, S1965N(P)X) [CLOSE/F1.4~F22] (Model S1665N(P)X) It can be set when AE is in IRIS mode or MANUAL mode.
• GAIN LEVEL	[–3dB~28dB] It can be set when AE is in MANUAL mode.
SHUTTER SPEED	[1/1sec~1/10000sec] It can be set when AE is in SHUTTER SPEED mode or MANUAL mode.
• BRIGHTNESS	[0~31] It can be set when AE is in BRIGHTNESS mode.
• WDR	Only available with S1965N(P)X Models.



⊙ Motion Setup

MOTION SETUP		Setup the general functi	ons of Pan/Tilt motions.
→ MOTION LOCK PWR UP ACTION AUTO FLIP JOG MAX SPEED JOG DIRECTION FRZ IN PRESET <parking action="" si<br=""><al arm="" input="" setu<="" th=""><th>OFF ON 120/SEC INVERSE OFF ETUP> P></th><th>MOTION LOCK</th><th>[ON/OFF] If Motion Lock is set to ON, it is impossible to set up and delete Preset Swing, Pattern and Group. It is possible only to run those functions. To set up and elete those functions, enter into OSD menu.</th></al></parking>	OFF ON 120/SEC INVERSE OFF ETUP> P>	MOTION LOCK	[ON/OFF] If Motion Lock is set to ON, it is impossible to set up and delete Preset Swing, Pattern and Group. It is possible only to run those functions. To set up and elete those functions, enter into OSD menu.
BACK		PWR UP ACTION	[ON/OFF] Refer to "Other Functions" section.
		• AUTO FLIP	[ON/OFF] Refer to "Other Functions" section.
		• 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.
		• FRZ IN PRESET	[ON/OFF] (27x, 36x Models Only) If "Freeze in preset" function mode is ON, camera starts freezing the image of start point at start point of preset movement. 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 start displaying live images which it gets at preset end point. This function is only available with 27x, 36x Models.

PARK ACTION SETUP

-			
	PARKING ACTION SETUP		If Park Enable
	→ PARK ENABLE	OFF	during assigne
	WAIT TIME PARK ACTION	00:10:00 HOME	PARK ENAB
			• WAIT TIME
	BACK		
	EXIT		PARK ACTIO

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

LE	[ON/OFF]
	[1 minute ~ 4 hours] The time is displayed with "hh:mm:ss" format and you can change this by 1 min unit.
N	[HOME/PRESET/PATTERN/SWING/GROUP] If it is set to "HOME", all the functions go back to "HOME" position (PAN,TILT,ZOOM)=(0, 0, x1).

ALARM ACTION SETUP

ALARM ACTION SETUP	Sets the preset to move to when the alarm is input.
→ ALARM1 ACT NOT USED ALARM2 ACT NOT USED ALARM3 ACT NOT USED ALARM4 ACT NOT USED	ALARM N ACT [NOT USED/PRESET 1~128] Assign counteraction Preset position to each Alarm input
BACK	The uppercase "N" indicates the alarm index.
EXIT)

⊙ Preset Setup

DDESET SETUD		• PRESET NO.	[1~128]
→ PRESET NO.	1		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.
CLR PRESET <edit scene=""></edit>	CANCEL		If a selected preset is not defined, "UNDEFINED" shows on monitor.
<edit label=""></edit>	LABEL123	CLR PRESET	[CANCEL/OK]
CAM ADJUST	GLOBAL		Delete current Preset data.
BACK EXIT			Redefine current Preset scene position (i.e.PTZ).
		EDIT LABEL	Edits Label to show on monitor when preset runs.
			MAX. 10 alphabets are allowed.
		RELAY OUT	Sets the relay output. The figure on the right is current Setting value. '-' indicates OFF mode. If the relay is shown as figures, it means relay is ON.
		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



① Using Joystick, move camera to desired position.

② By pressing NEAR key, save current PTZ data.

③ Press FAR key to cancel.

EDIT PRESET LABEL

[1	
123 4567	890	ок
ABC DEFGH	HIJ	CANCEL
KLMNOPQ	RST	
UVWXYZa b	b c d	
efg hijk i	lmn	
opqrstuv	/ w x	
yz<>-/:	. ←	

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.



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

③ 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.

EDIT RELAY OUT



XPEED Outdoor
WWW.CNBTEC.COM



4. OSD Menu

\odot Swing Setup

SWING SETUP		• SWING NO.	[1~8] Science Swing pumper to odit. If a sciented Swing has not defined "NOT USED" in
→ SWING NO. 1ST POS. 2ND POS.	1 NOT USED NOT USED		displayed in 1st Position and 2nd Position.
SWING SPEED CLEAR SWING	30/SEC CANCEL	• 1ST POS. 2ND POS.	[PRESET 1~128] Set up the 2 position for Swing function. If a selected preset is not defined, "UNDEFINED" will be displayed as shown below.
BACK EXIT)	



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 is CCW(Counterclockwise) direction.

Series

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.

• SWING SPEED [1°/sec~180/°sec]

Sets Swing speed from 1°/sec to 180°/sec.

CLEAR SWING

Deletes current Swing data.

[CANCEL/OK]

⊙ Pattern setup



EDIT PATTERN

EDIT PATTERN 1

MOVE TO START POSITION [NEAR:START /FAR:CANCEL] By using Joystick, move to start position with appropriate zoom.
 To start pattern recording, press **NEAR** key. To exit this menu, press **FAR** key.



Outdoor

EDIT PATTERN 1

② Move camera with joystick of controller 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 record data, press FAR key.

4. OSD Menu

\odot Group Setup

GROUP SETUP]		[1~8]
→ GROUP NO. CLEAR GROUP <edit group=""></edit>	1 UNDEFINED CANCEL	GROUP NO.	Selects a group number. If the selected number is not set, "UNDEFINED" will be displayed selected Group number.
		CLEAR GROUP	[CANCEL/OK] Clears the current setting of a group.
BACK EXIT	J	EDIT GROUP	Starts editing Group.

EDIT GROUP

EDIT	GROUP 1			
→NO	ACTION	###	DWELL	OPT
1	NONE			
2	NONE			
3	NONE			
4	NONE			
5	NONE			
SA	VE			
CA	CANCEL		[NEAR	EDIT]

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

XPEED WWW.CNBTEC.COM

EDIT	GROUP 1			
NO	ACTION	###	DWELL	ОРТ
→1	NONE			
2	NONE			
3	NONE			
4	NONE			
5	NONE			
SA	VE	1	EAR:EDI	ГАСТ]
CA	NCEL	[F	AR :EDI	

NO ACTION ### DWELL OPT

[◀►:MOVE CURSOR] [▲▼:CHANGE VAL.] Outdoor

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

③ Set up 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.

ACTION ###	[NONE/PRESET/SWING/PATTERN]
• DWELL	[0 sec~4min] Sets Dwell Time between functions.
OPT (Option)	It should be preset speed when preset is set in Action. Is should be the number of repeat when Pattern or Swing is selected in Action

4. OSD Menu

EDIT GROUP 1

1 NONE 2 NONE 3 NONE 4 NONE 5 NONE

SAVE CANCEL

NO	ACTION	###	DWELL	ОРТ
1	PRESET	1	00:03	360
2	NONE			
3	NONE			
4	NONE			
5	NONE			
SA	VE	[◀▶:	MOVE CU	RSOR
CA	NCEL	[▲▼:0	CHANGE	VAL.

④ Set up 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			
SA	VE	[N	EAR:EDI	ГАСТ]
CA	NCEL	[F/	AR :EDI	[END]

(5) After finishing setting up a Action, press NEAR key to one-upper-Level Menu(Step(2)).

Move cursor Up/Down to select Action Number and repeat Step ②~ Step ④ to edit selected Group.



Outdoor

NO	ACTION	###	DWELL	ОРТ
1	PRESET	1	00:03	360
2	NONE			
3	NONE			
4	NONE			
5	NONE			

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.

4. OSD Menu

○ System Initialize



REBOOT SYSTEM
 Reboots Speed Dome Camera.

Initial setting

Display setting	Camera setting

Camera ID	ON	Focus mode	SemiAuto
PTZ Information	AUTO	Digital Zoom 🔶	ON
Action Title	AUTO	Max Zoom	X216
Preset Label	AUTO	Flickerless	X270 🗉 / x312💠 / x432 🔸
Alarm I/O	AUTO	Color	OFF
North Direction	Pan 0 °	Line Lock	ON
Privacy Zone 💠 🗉	Undefined	White Balance	OFF
		Backlight	AUTO
		Day&Night	OFF
		Slow Shutter	AUTO
		AE Mode	OFF
		Brightness	AUTO
			50
Motion setting		 User setting data 	
Motion Lock	OFF	Preset 1~128	Undefined
Power up Action	ON	Swing 1~8	Undefined
Auto Flip	ON	Pattern 1~4	Undefined
Jog Max Speed	120 °/sec	Group 1~8	Undefined
Jog Direction	INVERSE		
Park Action	OFF		
Alarm Action	OFF		
FRZ IN PRESET	OFF		

- Above functions are only available with the following models;
- ✤ : S2465N(P)
- : S2965N(P)X
- SCN-22Z27F /SCN-23Z27F(P)(Option)

5. Specifications

◎ 26x EXview Models S2465NX / S2465PX

Video Signal		NTSC	PAL
	Image Pick-up Device	1/4" EXview HAD CCD	
	Effective Pixels	768(H) x 494(V) 380K	752(H) x 582(V) 440K
	Horizontal Resolution	470 TV Lines	460 TV Lines
	S/N Ratio	More than 50 db	
	Zoom	26x Optical Zoom, 12x Digita	l Zoom
	Focal Length	f=3.5(Wide)-91(Tele)mm	
	Aperture Range	F1.6(Wide)-3.8(Tele)	
Camera	Minimum Illumination	1.0Lux (Color) / 0.07Lux (Color, DSS) / 0.15 Lux (B/W,DSS)	
	Day & Night	Auto / Day /Night (IR Cut Filter)	
	Focus	Auto / Manual / SemiAuto	
	AE Mode	Auto / Iris / Shutter / Manual / Brightness	
	White Balance	Auto / Manual(Red, Blue Gain Adjustable)	
	BLC	On / Off	
	Flickerless	On / Off	
	Operation Range	Pan 360 ° (Endless) / Tilt 90	0
		Preset : 360 ° / sec	
Pan/Tilt	Operation Speed	Manual : 1 ~ 360 ° / sec (inter-locked with zoom extension)	
		Swing : 1 ~ 180 ° /sec	

Outdoor

	Preset Setting	127 presets (label setting, individual video setting)	
	Swing Setting	8 swings	
	Pattern Setting	4 pattern (1200 commands / pattern, 5 min)	
	Group Setting	8 groups (20 actions / group)	
	Other Functions	Auto Flip, Auto Parking, Power Up Action	
	Communication	RS-485	
	Protocol	Pelco-D, Pelco-P, Samsung and Panasonic Selectable	
	Privacy Zone	8 Zones	
	Alarm I/O	4 inputs / 2 outputs	
	OSD Menu	On / Off	
	Input Voltage	24VAC (19VAC ~ 29VAC)	
General	Input Power	48VA	
	Fuse	2A	
		Dome Ø 149	
	Dimension		
		Housing : Ø 209.7 x 247.2(H) mm (without Sun-Sheild)	
	Weight(Approx.)	3.8kg (without Sun-Sheild) / 4.3kg (with Sun-Sheild)	
	Operational Temperature	-30 °C ~ +50 °C	





Pendant Mount (Sun-Shield)



Wall Mount

5. Specifications

◎ 27x Models SCN-22Z27F /SCN-23Z27F

Video Signal		NTSC	PAL	
	Image Pick-up Device	1/4" IT CCD		
	Effective Pixels	811(H) x 508(V) 410K	795(H) x 596(V) 470K	
	Horizontal Resolution	768(H) x 494(V) 380K	752(H) x 582(V) 440K	
	Resolution 580 TV Lines (BW 600 TV Lines), Sharpness Max.		ines), Sharpness Max.	
	S/N Ratio	50 dB (AGC Off)		
	Zoom	27x Optical Zoom, 10x Digit	al Zoom	
	Focal Length	f=3.6(Wide) - 97.2(Tele)mm		
	Aperture Range	F1.6(Wide)-3.7(Tele)		
Camera Minimum Illumination 0.5Lux (3		0.5Lux (30 IRE)Color / 0.1L	0.5Lux (30 IRE)Color / 0.1Lux (30 IRE) B/W /	
		DSS(128FLD) Mode : 0.000	S(128FLD) Mode : 0.0005Lux (30 IRE)	
	Day & Night	Auto / Day /Night		
	Focus	Auto / Manual / SemiAuto		
	Iris	Auto / Manual		
	Shutter Speed	Auto (x128 ~ 1/60 sec ~ 1/1	10,000 sec)	
	AGC	Normal / High / Off		
	White Balance	Auto / Manual(Red, Blue G	ain Adjustable)	
	BLC	NORMAL,C,L,U,D,R HIGH/	OW(6 Area Selectable)	



Wall Mount (Sun-Shield)

Outdoor

Series

	Flickerless	On / Off
	Brightness	Adjustable (0-96)
	Operation Range	Pan 360 ° (Endless) / Tilt 90 °
	Operation Mange	Preset : 360 ° / sec
	Operation Speed	Manual : $1 \sim 360^{\circ}$ / sec (inter-locked with zoom extension)
		Swing : 1 ~ 180 ° /sec
Pan/Tilt	Preset Setting	127 presets (label setting individual video setting)
T di # Titt	Swing Setting	8 swings
	Pattern Setting	4 pattern (1200 commands / pattern 5 min)
	Group Setting	8 groups (20 actions / group)
	Other Functions	Auto Flip, Auto Parking, Power Up Action
	Communication	RS-485
	Protocol	Pelco-D. Pelco-P. Samsung and Panasonic Selectable
	Privacy Zone(Option)	8 Zones
	Alarm I/O	4 inputs / 2 outputs
	OSD Menu	On / Off
	Input Voltage	24VAC (19VAC ~ 29VAC)
General	Input Power	48VA
	Fuse	2A
-		Dome Ø 149
	Dimension	
		Housing : Ø 209.7 x 247.2(H) mm (without Sun-Sheild)
	Weight(Approx.)	3.8kg (without Sun-Sheild) / 4.3kg (with Sun-Sheild)
	Operational Temperature	-30 °C ~ +50 °C





Pendant Mount (Sun-Shield)



Wall Mount

5. Specifications

⊙ 36x EXview Models S2965NX /S2965PX

Video Signal		NTSC	PAL
	Image Pick-up Device	1/4" EXview HAD CCD	
	Effective Pixels	768(H) x 494(V) 380K	752(H) x 582(V) 440K
	Horizontal Resolution	530 TV Lines	
	S/N Ratio	50 dB (Weight ON)	
	Zoom	36x Optical Zoom, 12x Digita	l Zoom
	Focal Length	f=3.4(Wide) ~ 122.4(Tele)mm	
	Aperture Range	F1.6(Wide) ~ 4.5(Tele)	
Camera		1.4 Lux 1/60 sec(NT), 1/50 sec(PAL)	
	Minimum Illumination	0.1Lux 1/4 sec(NT), 1/3 sec(PAL)	
		0.01Lux 1/4 sec(NT), 1/3 sec(PAL) : ICR-ON	
	Day & Night	Auto / Day / Night / WDR	
	Focus	Auto / Manual / SemiAuto	
	AE Mode	Auto / Iris / Shutter / Manual / Brightness	
	White Balance	Auto / Manual(Red, Blue Gain Adjustable)	
	BLC	On / Off / WDR	



Wall Mount (Sun-Shield)

Series

	Flickerless	On / Off
	Operation Range	Pan 360 ° (Endless) / Tilt 90 °
		Preset : 360 ° / sec
	Operation Speed	Manual : 1 ~ 360 $^\circ$ / sec (inter-locked with zoom extension)
		Swing : 1 ~ 180 ° /sec
Pan/Tilt	Preset Setting	127 presets (label setting, individual video setting)
	Swing Setting	8 swings
	Pattern Setting	4 pattern (1200 commands / pattern, 5 min)
	Group Setting	8 groups (20 actions / group)
	Other Functions	Auto Flip, Auto Parking, Power Up Action
	Communication	RS-485
	Protocol	Pelco-D, Pelco-P, Samsung and Panasonic Selectable
	Privacy Zone	8 Zones
	Alarm I/O	4 inputs / 2 outputs
	OSD Menu	On / Off
	Input Voltage	24VAC (19VAC ~ 29VAC)
General	Input Power	48VA
	Fuse	2A
		Dome Ø 149
	Dimension	Housing : Ø 209 7 x 247 2(H) mm (without Sun-Sheild)
	Weight(Approx.)	3.8kg (without Sun-Sheild) / 4.3kg (with Sun-Sheild)
	Operational Temperature	-30 °C ~ +50 °C





Pendant Mount (Sun-Shield)



Wall Mount

- 5. Specifications
- ⊙ Dimensional Drawings



Wall Mount (Sun-Shield)



Unit (mm)

5. Specifications



$\odot\,$ Dimensional Drawings



Unit (mm)

40

6. System Models & Related Accessories

⊙ System Model Numbers

타입 / 이미지	26x Day/Night(ICR)	27x Day/Night(ICR)	36x Day/Night(ICR)
	EX view HAD CCD	Super HAD CCD II	EX view HAD CCD
Wall Mount Type Without Sun Shield	S2465NXW	SCN-22Z27FW	S2965NXW
	S2465PXW	SCN-23Z27FW	S2965PXW
Pendant Mount Type Without Sun Shield			
	S2465NXP	SCN-22Z27FP	S2965NXP
\square	S2465PXP	SCN-23Z27FP	S2965PXP
\bigcirc			
Wall Mount Type With Sun Shield	SS2465NXW	SDN-22Z27FW	SS2965NXW
	SS2465PXW	SDN-23Z27FW	SS2965PXW
Pendant Mount Type			
	SS2465NXP	SDN-22Z27FP	SS2965NXP
•	SS2465PXP	SDN-23Z27FP	SS2965PXP
d Da			
S.Dome Camera Without Sun Shield	S2465NX	SCN-22727E	S2065NX
	S2465DX	SCN 22727E	S2065DX
\bigcirc	3240JF A	3011-232271	32903F A
S.Dome Camera With Sun Shield	SS2465NX	SDN-22727F	SS2965NX
	SS2465PX	SDN-23727F	SS2065PX
\bigcirc	33240JF A	0011-2022/1	33230JF A

• Related Accessories

Wall Mount	SWB2000	
Pendant Mount	SPB2000	
Corner Mount	SCB2000	
Pole mount	SOB2000	
Sun Shield	SSS2000	

MEMO