



# Intelligent Surveillance System

High Speed Color Dome Camera

## SPD-2200

- Powerful 220X Zoom ( $f = 3.9\sim 85.8\text{mm}$ )
- Programmable 128 Preset Positions
- 24 hour Surveillance with Day & Night Functions
- 8 Privacy Area Masking
- Auto Flip and Alarm on Action

**SAMSUNG**



# Intelligent Surveillance System

Samsung Techwin is proud to offer a highly effective, feature-rich speed dome system which contains the SPD-2200, an advanced, discreet high speed dome camera. The SPD-2200 provides an array of innovative features from powerful zooming with longer focal length and outstanding 128 preset positions to smart privacy area masking and compact, rugged housing to meet diverse and demanding needs. This intelligent dome camera is a perfect solution for a wide variety of applications.









## Powerful 220X Zoom & Variable Pan & Tilt Speed

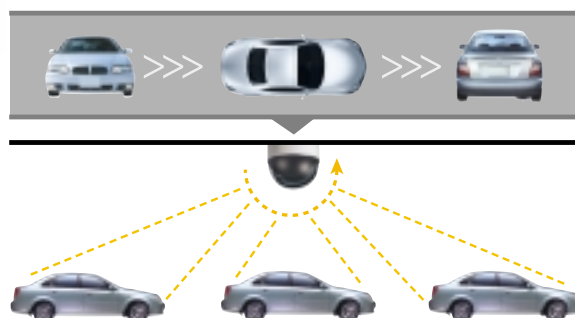
An optic angle 22X zoom lens with longer focal length ( $f=3.9\sim85.8\text{mm}$ ) combines with both an auto focus system and a 10X digital zoom to give you clear and precise pictures at up to 220X. Users can even catch the smallest image and enlarge it to identify the most minute detail. Close-up images are available by just clicking a key on the keyboard. The joystick on the keyboard can also adjust the pan & tilt speed.



22X optical zoom

## Enhanced Surveillance with Auto Flip

The Auto-Flip feature positions the camera for continuous viewing of any subject that passes directly beneath the dome. This function enables the dome to automatically turn 180° when the camera tilts to its lower limits.





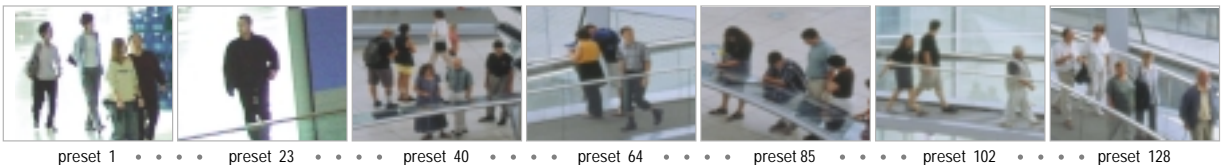


## Flexible 128 Preset Positions & Auto-surveillance

The SPD-2200 delivers surveillance coverage of a wide area by pre-setting to a maximum of 128 positions; this enables the user to preset the area to be monitored at any time. Users need only select the important sectors to be surveyed carefully.

Users can control the speed and dwelling time of pan swing and tilt swing, and the preset positions can be set by group sequence and tour sequence.

- PTZ Trace - Allows manual operation for about 120 seconds.
- Auto Swing - Repeats pan and tilt between two preset positions.
- Group Sequence - Switches and checks a maximum of 128 preset positions in sequence.
- Tour sequence - Switches and checks a maximum of 6 group sequences in sequential order.



## Alarm on Action

4 Alarms can be individually programmed for three priority levels to initiate stored pattern or to go to an associated preset when received. The dome furthermore provides 2 relay contacts for controlling components.



## 24-Hour Surveillance with Day & Night Functions

Light conditions are no longer an issue for the SPD-2200. The Day/Night technology automatically switches the camera from providing natural color images during the day to monochrome mode at night to greatly extend the night time capability of the camera. In daylight, it functions as a color camera sensitive to 0.3 lux, and at night, it automatically converts the image to a monochrome picture with a 0.03 lux with slow shutter control.



Day



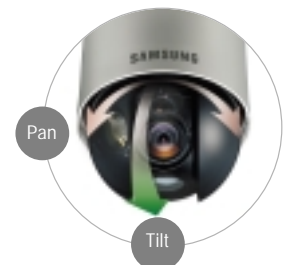
Night

## 8 Privacy Area Masking

Sometimes there are sensitive areas within the field under surveillance, such as an outdoor apartment window or an indoor office. The SPD-2200 dome's Privacy Area Masking feature can quickly and easily create a "mask" over these areas up to 8 zones, restricting them from the operator's view.

## Smart P/T Function

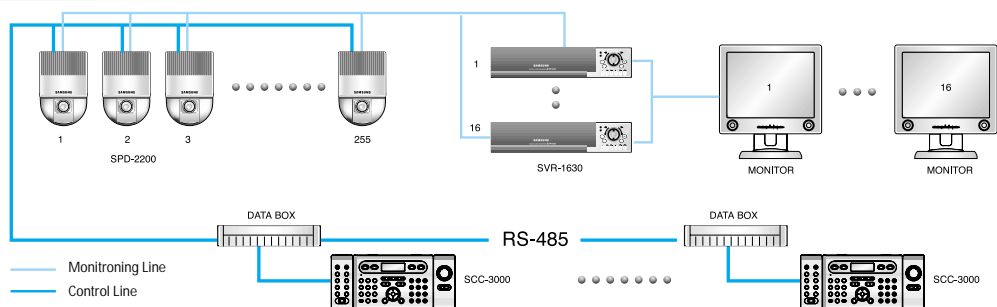
This function changes the pan and tilt speed automatically according to the zoom magnification to create a perfect image without any distortion. The pan/tilt speed slows down (15 seconds per revolution) in tele-mode and speeds up (3 seconds per revolution) in wide mode.







## System Diagram



## Controller (Option)

### SCC-3000

Centralized Control of both Speed Dome Cameras & DVRs

- Capable of Controlling of Both Speed Dome Cameras & DVRs
- Centralized Control of up to 255 Units from a Single Controller
- Preset positions : Maximum 128 locations
- Configurable to Connect Multiple System controllers up to 16 Units
- Ergonomic Design and Easy-to-Use Keypad
- Multi-Protocol Support



### SCC-16

Easy to Use Control of Speed Dome Cameras

- Preset positions : Maximum 64 locations
- Camera Speed selection : Proportional to angle of joystick
- Control of : Group Sequence, Tour Sequence, Freeze function



## High Speed Color Dome Camera

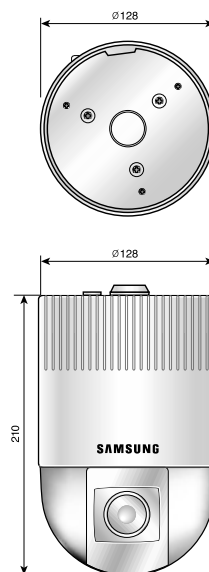
# SPD-2200

## Specifications






Item	SPD-2200N	SPD-2200P
Image Sensor	1/4-inch Color Interline-Transfer CCD, 410,000pixel	
TV Type	NTSC Type	PAL Type
Total Pixels	811(V) x 508(H)	795(V) x 596(H)
Effective Pixels	768(V) x 494(H)	752(V) x 582(H)
Scanning Frequency	15.734kHz(H) / 59.94kHz(V)	15.625kHz(H) / 50.00kHz(V)
Synchronization	Internal / External (AC Line Lock)	
Video Output	1.0p-p / 75 $\Omega$	
S/N Ratio	More than 48dB (AGC OFF)	
Horizontal Resolution	480TV lines	460TV Lines
Minimum Illumination	2.0Lux (Normal, @30IRE) / 0.3Lux (Day & Night Mode, @30IRE) / 0.03Lux (Slow-Shutter Mode, @30IRE)	
Electronic Shutter	Auto / Manual (1/60 ~ 1/10,000)	Auto / Manual (1/50 ~ 1/10,000)
Slow-Shutter	ON (X2 ~ X128 Fields) / OFF	
Back Light Compensation	ON / OFF	
White Balance	Auto / ATW / One Push WB / Manual	
Flickerless control	Shutter speed fixed (1/100)	Shutter speed fixed (1/120)
Gain Control	Auto / Manual	
OSD Display	ON / OFF	
Focal Length	f3.9 ~ 85.8mm (Optic 22X zoom)	
Digital Zoom	10X (Total 220X zoom)	
Max. Focal Ratio	Wide 1 : 1.6, Tele 1 : 3.7	
Covering Angle	f=3.9mm 51.26°(H) x 39.03°(V) f=85.8mm 2.39°(H) x 1.80°(V)	
Min. Focus Distance	1.0m (Tele) ~ 0.01m (Wide)	
Pan Rotation Angle	360° Continuous	
Pan Rotation	Manual / Program	
Pan Speed	Manual : 0.5° / S-120° / (64levels), Preset : 0.5° ~ 240° / (64levels)	
Tilt Rotation Angle	+0° to 90° (Auto Flip by Controller)	
Tilt Rotation	Manual / Program	
Tilt Speed	Manual : 0.5° / S-120° / (64levels), Preset : 0.5° ~ 240° / (64levels)	
Preset Position	Max. 128 points	
Area Masking	Max. 8 points	
Alarm	Alarm 4 Input Alarm 2 Output (Relay : NC/NO/COM, 0.5A 125V AC, 2A 30V DC Max)	
Operating Temperature	-5°C ~ +50°C	
Operating Humidity	20% ~ 75% (No Condensation)	
Power Source, Voltage	24V AC $\pm$ 10%	
Power Consumption	8 Watts in standing by 13 Watts in operation	
Dimensions	$\phi$ 128 x 210 mm	
Weight	Approx. 1.8 kg	



## Dimensions



## Optional Accessories

HOUSING		MOUNT		ADAPTER
Indoor / Outdoor Housing	Embedded Housing (In-Ceiling Type)	Wall Mount	Pendant Mount	
				
STH-160PI / STH-160PO (fan & heater included)	STH-128PE	STB-270PW	STB-496PP	STA-110 (AC 110V) STA-230 (AC 230V)

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Design and specifications are subject to change without notice.



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