

37X/33X/27X Low Light High Resolution PTZ Dome Camera SPD-3700T/3700/3310/2700



Specifications

	SPD-3700TN	SPD-3700N	SPD-3310N	SPD-2700N	SPD-3700TP	SPD-3700P	SPD-3310P	SPD-2700P
ELECTRICAL								
Input Voltage	24V AC							
Power Consumption	Max. 15W		Max. 13W		Max. 15W		Max. 13W	
VIDEO								
Imaging Device	1/4" Super HAD CCD							
Total Pixels	811(H) x 508(V)				795(H) x 596(V)			
Effective Pixels	768(H) x 494(V)				752(H) x 582(V)			
Scanning System	2 : 1 Interlace							
Synchronization	Internal / AC line-lock							
Frequency	H : 15.734KHz / V : 59.94Hz				H : 15.625KHz / V : 50Hz			
Horizontal Resolution	Color : 550TV lines (Min.) / B/W : 680TV lines (Min.)							
Min. Illumination	Color : 0.4Lux (50 IRE@F1.6), 0.001Lux (Sens-up, 256X) B/W : 0.02Lux (50 IRE@F1.6)							
S / N (Y signal)	50dB							
Video Output	CVBS : 1.0Vp-p / 75Ω							
LENS								
Zoom Ratio	37X (Optical) 12X (Digital)		33X (Optical) 12X (Digital)		27X (Optical) 12X (Digital)		37X (Optical) 12X (Digital)	
Focal Length	3.5 ~ 129.5mm (F1.6 ~ 3.9)		3.5 ~ 115.5mm (F1.6 ~ 3.6)		3.5 ~ 95.8mm (F1.6 ~ 2.9)		3.5 ~ 129.5mm (F1.6 ~ 3.6)	
Max. Aperture Ratio	1 : 1.6(Wide) ~ 3.9(Tele)		1 : 1.6(Wide) ~ 3.6(Tele)		1 : 1.6(Wide) ~ 3.9(Tele)		1 : 1.6(Wide) ~ 3.6(Tele)	
Min. Object Distance	1.9m (6.23ft)							
Angular Field of View	H : 55.5°(Wide) ~ 1.59°(Tele) V : 42.5°(Wide) ~ 1.19°(Tele)		H : 55.5°(Wide) ~ 1.77°(Tele) V : 42.5°(Wide) ~ 1.33°(Tele)		H : 55.5°(Wide) ~ 1.59°(Tele) V : 42.5°(Wide) ~ 1.19°(Tele)		H : 55.5°(Wide) ~ 1.77°(Tele) V : 42.5°(Wide) ~ 1.33°(Tele)	
Focus	Auto / Manual / One-push							
Zoom Movement Speed	2.5sec							
Iris Control	Auto / Manual							
PAN / TILT								
Auto Tracking	Built-in		-		Built-in		-	
Pan Range	360° Endless							
Pan Speed	Preset : 500°/sec / Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)							
Tilt Range	-6° ~ 186°							
Tilt Speed	Preset : 500°/sec / Manual : 0.024°/sec ~ 120°/sec (Proportional zoom ratio)							
Preset Positions	255							
Preset Accuracy	±0.1°							
PTZ Mode	Preset, Swing, Group, Tour, Track (Track is applied to SPD-3700T only)							
OPERATIONAL								
On Screen Display	Built-in (Currently supported languages : English, Spanish, Italian, French, German, Japanese, Chinese)							
Camera Title	On / Off							
ID (Camera Address)	1 ~ 255							
Day & Night	Auto (ICR) / Color / B/W							
Backlight Compensation	BLC / HLC / Off							
Motion Detection	On / Off							
Digital Image Stabilization	On / Off							
Privacy Masking	On / Off (8 Programmable zones)							
3D Noise Filter (SSNRII)	Low / Medium / High / Off							
Sens-up (Frame Integration)	On / Off (Selectable limit ~ 256X)							
Gain Control	Low / Medium / High / Manual / Off							
White Balance	ATW / AWC / Manual / Indoor / Outdoor							
Electronic Shutter Speed	Auto (NTSC : 1/60 ~ 1/120,000sec, PAL : 1/50 ~ 1/120,000) / Manual / A.FLK							
Communication	RS-485/422							
Protocol	Samsung Techwin, Pelco-D, Pelco-P, Panasonic, Honeywell, AD, Vicon, Samsung Electronics							
Alarm	4 In, 2 Out, 1 Aux							
Auto Digital Flip	On / Off							
ENVIRONMENTAL								
Operating Temperature / Humidity	-10°C ~ +50°C / 20% ~ 80% RH							
Storage Temperature / Humidity	-20°C ~ +60°C / 20% ~ 95% RH							
MECHANICAL								
Dimension (WxH)	Ø155 x 243.4mm (Ø6.1" x 9.58")							
Weight	2Kg (4.41 lb)							
Ingress Protection	IP67 (Optional housing)							
Certifications	FCC (Class A), cUL				CE (Class A)			

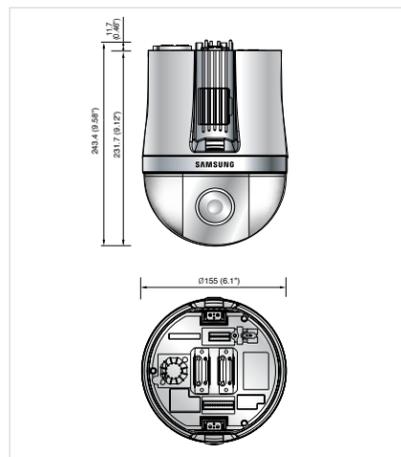
* The SPD-3700T/3700/3310/2700 require an exclusive housing, including the control board, for operation.

Design and specifications are subject to change without notice.



Dimensions

Unit : mm (inch)



Controller (Option)



The **Eco mark** represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.



Speed Zoom

37X Zoom High speed Pan & Tilt / Low-light High resolution Image

SPD-3700T/3700/3310/2700

37X/33X/27X Low Light High Resolution PTZ Dome Camera

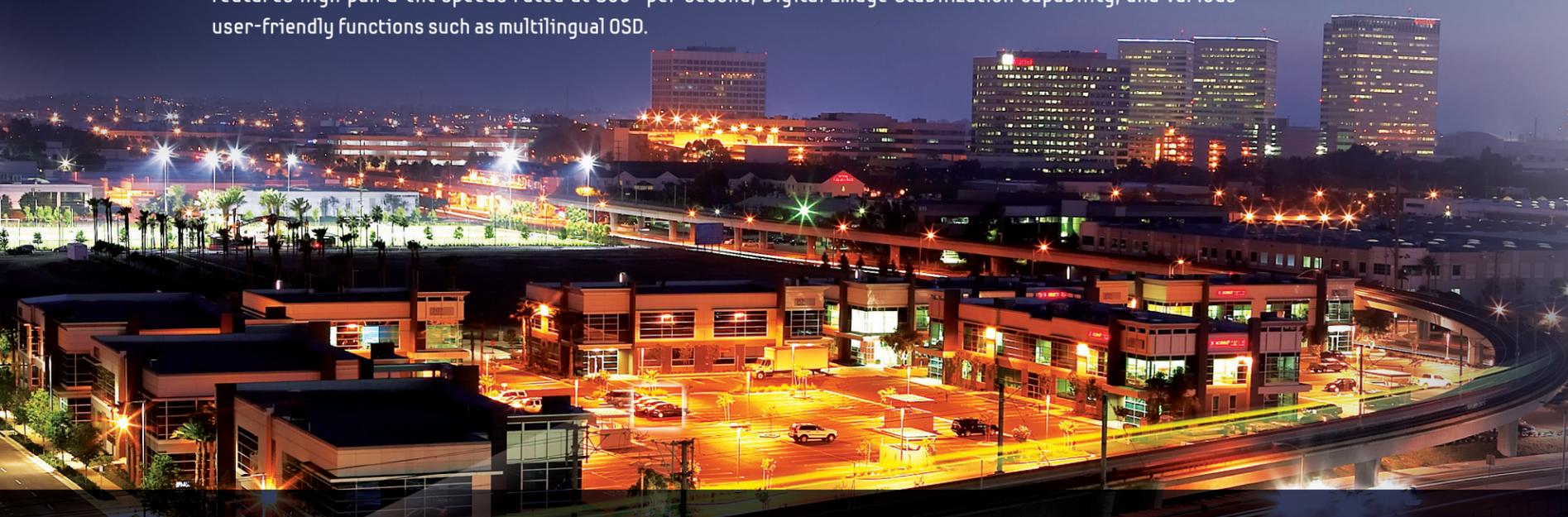
- Max. 37X A/F optical zoom
- Enhanced Min. illumination of 0.4Lux
- Noise-free, High resolution 550TV lines
- Intelligent auto motion tracking (SPD-3700T only)
- High speed pan & tilt, Rated 500 degrees-per-second
- Wide range of protocols and dedicated accessories



PTZ Dome Camera with Superior Low light Imaging Performance Max. 444X Sharp Zoom in Dark Environments

SPD-3700T/3700/3310/2700

The SPD-3700T/3700/3310/2700 superior imaging PTZ dome camera is powered by Samsung Techwin's proprietary image processing technology, and offers high-resolution video security capability with over 550TV lines horizontal resolution at 0.4Lux minimum illumination. With its 37X/33X/27X optical zoom and 12X digital zoom, which combine to 444X maximum zoom capability, even distant objects are rendered with clarity. This premium camera also features high pan & tilt speeds rated at 500° per second, Digital Image Stabilization capability, and various user-friendly functions such as multilingual OSD.



37X

37X Max. Optical Zoom, 444X Max. Total Zoom



The SPD-3700T/3700/3310/2700 features 37X (3.5 ~ 129.5mm)/33X (3.5 ~ 115.5mm)/27X (3.5 ~ 94.5mm) auto-focus zoom lens, which enables it to capture distant objects clearly and zoom in to any point in an area under video security with 444X magnification.

Enhanced Low Light Imaging Performance : Min. 0.4Lux



The SPD-3700T/3700/3310/2700, with its minimum illumination of 0.4Lux, detects objects in even the darkest environments with clarity, while its upgraded SSNR II 3D-filtering noise removal technology offers images free of dynamic delay or picture noise.



Conventional Camera SPD-3700T/3700/3310/2700

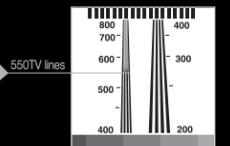
Superior Picture Quality with 550TV lines Resolution



The domes contain Samsung Techwin's proprietary W-IV DSP chip, which allows it to capture 550TV lines resolution color images or 680TV lines resolution B/W images with superior clarity.



Conventional Camera SPD-3700T/3700/3310/2700



EIAJ TEST CHART

Wide-range Capability Enabling Blind
Spot-free Video Security

Intelligent Capture

Low Light High Resolution PTZ Dome Camera SPD-3700T/3700/3310/2700

Intelligent Auto Tracking (SPD-3700T)



The SPD-3700T features Intelligent Auto Tracking, which detects moving persons and vehicles and tracks them automatically, resulting in superior identification of objects in motion.



500° Per Second High-speed Pan & Tilt



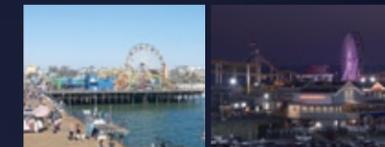
The SPD-3700T/3700/3310/2700, with pan & tilt speeds rated at 500° per second, can monitor a wide area with superb response speed.



ICR Day & Night Function



Inclusion of Day & Night ICR (Infrared Cut filter Removal) automatic filter switching function results in video security that adapts to changes in ambient luminance levels.



255 Presets, Wide-range Auto Monitoring Capability



Up to 255 preset configurations are supported, allowing the user to select auto-monitoring mode conveniently from predetermined parameters. Moreover, the presets can be categorized into up to 6 functional groups, which make for an efficient, customized monitoring solution.

Alarm Input/Output and Aux Control



The SPD-3700T/3700/3310/2700 features alarm input/output capability, and offers auxiliary control for peripheral devices connected to the PTZ dome.



Digital Image Stabilization



The inclusion of Digital Image Stabilization ensures that the picture remains focused even when the camera is being shaken by an outside force.



Up To 8 Privacy Masked Areas

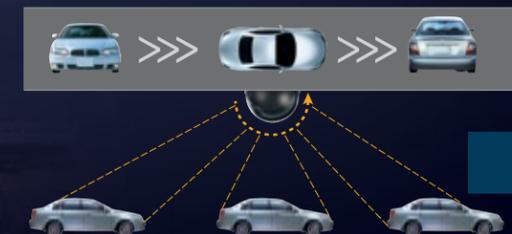


Up to 8 areas can be selected for masking from video security, to better protect the privacy of individuals, etc.

Digital Flip



Digital Flip automatically inverts the image of an object that has moved to the back of the camera.





Perfect Solution

Maximized User-friendliness



37X/33X/27X Zoom Offers a Wide Range of Applications

The SPD-3700T/3700/3310/2700, with its 37X (3.5 ~ 129.5mm) / 33X (3.5 ~ 115.5 mm) / 27X (3.5 ~ 94.5mm) optical zoom capability, can be effortlessly integrated into a wide range of security environments.

SPD-3700T/3700

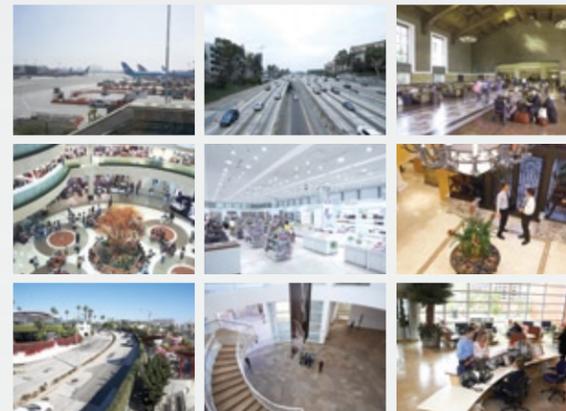
Airports, Roads, Terminals and Factories

SPD-3310

Department Stores, Supermarkets and Hotels

SPD-2700

Residential Areas, Museums and Hospitals



Wide Range of Dedicated Accessories

Dedicated accessories are available for installing the camera in a wide-range of security environments such as ceilings, walls, poles, corners and railings.



Superb Compatibility with a Wide Range of Protocols

The camera comes with 8 protocols that make integrating into existing security systems easy and trouble-free, making it suitable for a wide range of applications. (Default Protocols : Samsung Techwin, Pelco-D, Pelco-P, Panasonic, Honeywell, AD, Vicon, and Samsung Electronics)

Quick and Easy Connection

The SPD-3700T/3700/3310/2700 features quick-release buttons at each sides of the dome, so it can be connected to the fixture bracket quickly and easily.



<p>STH-380PO</p> <p>Outdoor Housing</p> <ul style="list-style-type: none"> Dustproof and waterproof, excellent durability : IP67 certified Equipped with fan, heater and temperature sensor (STH-370PO/360PO) Can be used in very low temperature environments 	<p>STH-370PI/PO/360PO</p> <p>Indoor/Outdoor Housing</p> <ul style="list-style-type: none"> Dustproof and waterproof, excellent durability : IP67 certified Equipped with fan, heater and temperature sensor (STH-370PO/360PO) Easy installation with rotating housing connection plate 1 P66 (STH-370PO/360PO) 	<p>STH-370PE</p> <p>In-Ceiling Housing</p> <ul style="list-style-type: none"> For flush-mounting a PTZ dome camera to a ceiling Quick and easy installation Excellent durability 	<p>STB-496PPV</p> <p>Pendant Mount</p> <ul style="list-style-type: none"> For hanging a PTZ dome camera from a ceiling Installed combined with STH-380PO/370PI/PO/360PO PTZ dome camera housing
<p>STB-270PWW</p> <p>Wall Mount</p> <ul style="list-style-type: none"> For installing a PTZ dome camera on a wall Quick and easy installation Excellent durability 	<p>STB-270B</p> <p>Wall Setup Box</p> <ul style="list-style-type: none"> For installing a PTZ dome camera on a wall Installed in combination with STB-270PWW Quick and easy installation : Contains adapter storage Excellent durability 	<p>STB-30PF</p> <p>Ceiling Flange</p> <ul style="list-style-type: none"> For fixing STH-380PO/370PI/PO/360PO PTZ dome camera housing to a pole Excellent durability, Quick installation 	<p>STB-25PF</p> <p>Flange</p> <ul style="list-style-type: none"> For connecting a PTZ dome camera directly to STB-496PPV bracket Quick and easy installation
<p>STB-370PC</p> <p>Ceiling Mount</p> <ul style="list-style-type: none"> For attaching a PTZ dome camera to a ceilings without a bracket Neat design suitable for any interior Quick and easy installation 	<p>STB-330PPM</p> <p>Pole Mount</p> <ul style="list-style-type: none"> For fixing a PTZ dome camera to a pole Installed in combination with STB-270PWW Quick and easy installation Excellent durability 	<p>STB-340PCM</p> <p>Corner Mount</p> <ul style="list-style-type: none"> For installing a PTZ dome camera on a wall corner Installed in combination with STB-270PWW Quick and easy installation Designed to suit any interior 	<p>STB-350PPM</p> <p>Parapet Mount</p> <ul style="list-style-type: none"> For installing a PTZ dome camera in a higher-than-wall location Installed in combination with the STB-30PF