



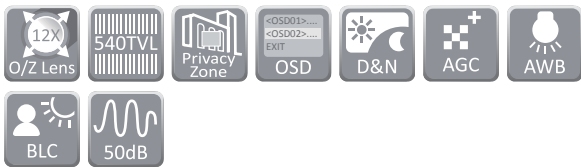
# SP312

## 12X D/N Speed Dome Camera Series



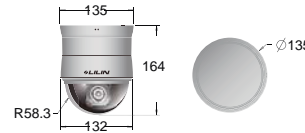
### Features

- 12X Optical Zoom Lens (3.8 – 45.6 mm)
- Privacy Masking Zone Function
- Higher Horizontal Resolution of 540 TV Lines
- Auto Focus Lens
- Horizontal Flip Function
- Auto Panning Function with Auto Scan or Seq. or Tours
- 360° Endless Panning
- Multi -Protocol
- 8 Languages (English / French / German / Spanish / Chinese / Portuguese / Russian / Polish)



### Dimensions 164 mm (H) x 135 mm (D)

(Unit:mm)



### Speed Dome Camera

Name		12X D/N Speed Dome Camera Series			
General	Model	SP3124N	SP3128N	SP3124P	SP3128P
		System	NTSC		PAL
	Power Supply	AC 24V ±10%	AC 100V ~ 240V	AC 24V ±10%	AC 100V ~ 240V
	Power Consumption	8.5 W			
	Image Pick-up Device	Sony 1/4" Super HAD CCD			
	Effective Pixels	768 (H) x 494 (V)		752 (H) x 582 (V)	
	Scanning System	2:1 Interlace			
	Scanning Frequency	15.734 KHz (H) , 59.94 Hz (V)		15.625 KHz (H) , 50 Hz (V)	
	Synchronization	Internal			
	Video Output	CVBS 1.0 Vp-p / 75 ΩBNC			
	Horizontal Resolution	Color : 540 TV Lines , Mono : 600 TV Lines			
	Signal to Noise Ratio	More Than 50 dB ( AGC : Off )			
	Minimum Illumination	Color : 0.3 Lux at F1.6 , Mono : 0.06 Lux at F1.6			
	Ambient Operation Temperature	- 10°C ~ + 50°C ( 14°F ~ 122°F)			
	Operating Humidity	0% ~ 90%			
	Dimension	164 mm (H) x 135 mm (D)			
	Weight	1050g			
Pan & Tilt	Panning Range	360°Endless			
	Panning Mode	Manual , Auto , Manual Position , Sequential Position			
	Panning Speed	Manual Approx. 0.5°/s ~ 90°/s 8 Steps, Preset Approx. 1°/s ~ 120°/s			
	Tilting Range	0°~ 90°			
	Tilting Mode	Manual , Auto , Manual Position , Sequential Position			
Lens	Tilting Speed	Manual Approx. 0.5°/s ~ 90°/s 8 Steps, Preset Approx. 1°/s ~ 120°/s			
	Zoom Ratio	12X Optical Zoom			
	Focal Length	3.8 mm ~ 45.6 mm			
	Maximum Aperture Ratio	1 : 1.6 (Wide) ~ 2.7 (Tele)			
	Minimum Object Distance	1 m (Tele)			
	Iris Range	F/1.6 ~ F/360			
Main Function	Angle Field of View	Wide : 65.4° ( D ) 52.8° ( H ) 39.7° ( V ) / Tele : 5.54° ( D ) 4.49° ( H ) 3.40° ( V )			
	Control Interface	RS-485 Half-Duplex			
	Control Function	Pan and Tilt / Zoom and Focus / Iris and ICR / 128 Preset Position / Home Position			
	Character Display	On / Off ( Preset ID : 16 Alphanumeric Characters , Zoom Ratio , Date / Time , Pan / Tilt Angle )			
	Zoom Speed	1 ~ 15 Selectable [ 15 : Approx. 6.0 Second ( Tele to Wide ) in Manual Mode ]			
	Focus Speed	1 ~ 15 Selectable [ 15 : Approx. 3.0 Second ( Far to Near ) in Manual Mode ]			
	Focus	Auto / One Push			
	Iris	ALC ( Adjustable Output Target Level )			
	Day & Night	Day (Color) / Night (Mono) / Auto / Schedule			
	Password Lock	Camera Advance / Presets / Privacy Zones / Factory Initial			
	Electronic Shutter Speed	Auto / Manual Selectable ( 1/60 ~ 1/100,000 sec )		Auto / Manual Selectable ( 1/50 ~ 1/100,000 sec )	
	Back Light Compensation	On / Off Selectable			
	White Balance	ATW / MWB Selectable			
	Auto Gain Control	0 ~ 36 dB Selectable			
	Auto Mode	OFF / AUTO / SEQ / TOUR			
Privacy Zone	On / Off Selectable ( Up to 4 Zones Settings)				
Image Mirror	On / Off Selectable				
Schedule Setting	Day & Night / Auto Mode / Daylight Saving Time				