



**Creativity Progress & Excellence**

Analog Product





# SP303 / SP312

## 2.6X / 12X D/N Speed Dome Camera Series



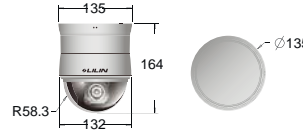
### Features

- 2.6X Optical Zoom Lens (2.8 ~ 7.3 mm) / 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)



### Indoor Speed Dome Camera

| Name                |   | 2.6X / 12X D/N Speed Dome Camera Series   |   |   |   |  |                |                            |                |
|---------------------|---|---|---|---|---|--|----------------|----------------------------|----------------|
| General             | Model   | SP3034N   | SP3038N   | SP3034P   | SP3038P   | SP3124N  | SP3128N        | SP3124P                    | SP3128P        |
|                     | System  | NTSC  |   | PAL   |   | NTSC   |                | PAL                        |                |
|                     | Power Supply  | AC 24V ±10%   | AC 100V ~ 240V                                    | AC 24V ±10%                                       | AC 100V ~ 240V  | 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)                                 |   | 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)                        |   | 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 : 0.5 Lux at F1.9 , Mono : 0.1 Lux at F1.9  |   |   |   | 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   |   |   |   |  |                |                            |                |
|                     | Tilting Speed   | Manual Approx. 0.5°/s ~ 90°/s 8 Steps, Preset Approx. 1°/s ~ 120°/s                               |   |   |   |  |                |                            |                |
| Lens                | Zoom Ratio  | 2.6X Optical Zoom   |   |   |   | 12X Optical Zoom   |                |                            |                |
|                     | Focal Length  | 2.8 mm ~ 7.3 mm   |   |   |   | 3.8 mm ~ 45.6 mm   |                |                            |                |
|                     | Maximum Aperture Ratio  | 1 : 1.9 (Wide) ~ 3.1 (Tele)   |   |   |   | 1 : 1.6 (Wide) ~ 2.7 (Tele)  |                |                            |                |
|                     | Minimum Object Distance   | 0.6 m (Tele)  |   |   |   | 1 m (Tele)   |                |                            |                |
|                     | Iris Range  | F/1.9 ~ F/200   |   |   |   | F/1.6 ~ F/360  |                |                            |                |
| Angle Field of View | Wide : 92.2° (D) 73.4° (H) 54.7° (V) / Tele : 35.8° (D) 28.7° (H) 21.6° (V) |   |   |   | Wide : 65.4° (D) 52.8° (H) 39.7° (V) / Tele : 5.54° (D) 4.49° (H) 3.40° (V) |  |                |                            |                |
| Main Function       | Control Interface   | RS-485 Half-Duplex  |   |   |   |  |                |                            |                |
|                     | Control Function  | Pan and Tilt and Zoom / Iris / 128 Preset Position / Home Position                                |   |   |   | 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 ~ 8 Selectable [ 8 : Approx. 3.0 Second ( Tele to Wide ) in Manual Mode ]                       |   |   |   | 1 ~ 15 Selectable [ 15 : Approx. 6.0 Second ( Tele to Wide ) in Manual Mode ]      |                |                            |                |
|                     | Focus Speed   | None  |   |   |   | 1 ~ 15 Selectable [ 15 : Approx. 3.0 Second ( Far to Near ) in Manual Mode ]       |                |                            |                |
|                     | Focus   | Pan-focus Zoom  |   |   |   | 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 ) | 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                              |   |   |   |   |  |                |                            |                |