



Ultra Low Light & WDR 30X Speed Dome Camera

SPD-3300

- 30X Optical Zoom (Focusing Distance : 3.3 ~ 99mm)
- Day & Night (ICR), Ultra Low Light 0.003 Lux
- 126X Enhanced Wide Dynamic Range (WDR)
- 128 Presets / Digital Flip / Multiple Protocol Support
- Simple Installation and Various Applications



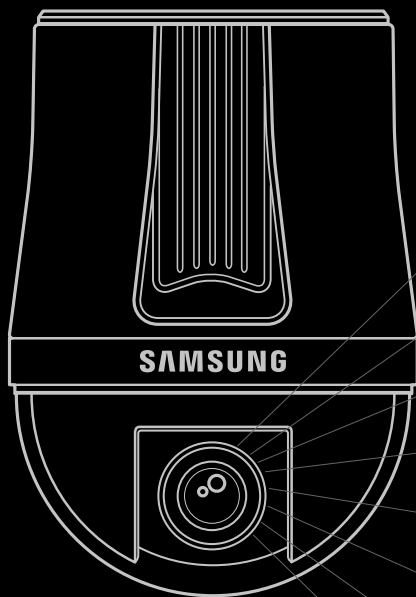
SAMSUNG

Superb Optical **30X** Zoom

SVIII, Technology Beyond Darkness

SPD-3300

The SPD-3300 is a 30X speed dome camera that employs Samsung Techwin's **SVIII** DSP system with superior low light capability. Equipped with an optical 30X (f 3.3-99mm) A/F zoom lens, the SPD-3300 lets you zoom up to 240X and identify a vehicle registration number clearly from a far distance. It also provides clearer images during night time with ICR Day & Night feature. In addition, the SPD-3300 provides premium features such as ultra low light 0.003 Lux @ F1.6, wide dynamic range (WDR) enhanced by 126X, 128 presets, automatic digital flip to implement consistent high performance monitoring capability under any circumstances. It also supports instrument design for user convenience and various accessories for different installation locations. In particular, the SPD-3300 demonstrates the best stability and reliability in all conditions through Samsung's stringent systemic test designed to evaluate product characteristics of the PTZ Dome Camera.



ZOOM

30X Optical Zoom (Focusing Distance : 3.3-99 mm)

Low Light

Ultra Low Light 0.0006 Lux

Day & Night

24-hour Complete Monitoring, Day & Night (ICR Type)

WDR

126X Enhanced Wide Dynamic Range (WDR)

Multi Function

128 Preset Settings / Digital Flip

Protocol

Supports Various Protocols with Excellent Compatibility

Easy Installation

Various Convenient Installation Accessories

Application

Various Applications



SVIII DSP chip

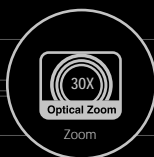
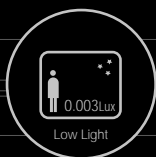


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SPD-3300



Low Light 30X ZOOM

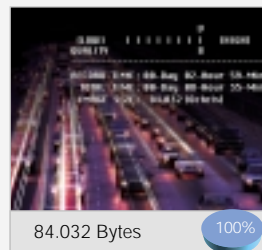


Superior Ultra Low Light Optical **30X** Zoom

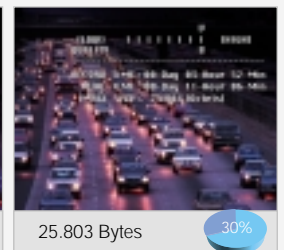


Implementation of Low Light 0.003 Lux

The built-in *SVIII* DSP system of the SPD-3300 ensures clear recognition and visualization of an object under dark or extremely poor light conditions. With unrivalled low light 0.003 Lux @ F1.6, the SPD-3300 detects and captures an object under any low light condition. In addition, incorporating the SSNR technology that eliminates noise and ghost effectively, the SPD-3300 dramatically improves low light image quality and saves DVR recording capacity up to 70 %.



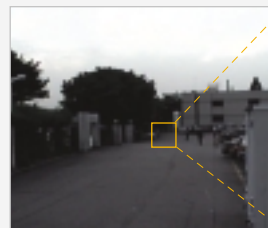
SSNR Off



SSNR On

30X Optical Zoom (Focusing Distance : 3.3 ~ 99mm)

Equipped with the world's best optical 30X A/F zoom lens, the SPD-3300 implements powerful 240X zoom capability with 8X digital zoom. With the increased focusing distance of 3.3 ~ 99mm, the SPD-3300 captures an object from a far distance quicker and clearer.



Normal



30X

24-hour Complete Monitoring, Day & Night (ICR Type)

The SPD-3300 implements 520TV high-resolution colour video by using filter switching (ICR) Day & Night feature, and clearer 570TV B/W video during night time by automatically removing the filters.



Day



Night

Wide Dynamic Range (WDR) Enhanced by 126X

Based on unique sophisticated pixel-level histogram analysis technology provided by the *SVIII* DSP system, the SPD-3300 provides 52dB of wide dynamic range (WDR), which is 126X better than conventional wide dynamic range. It shows an object clearly in places with frequent back light such as a building lobby or an airport.

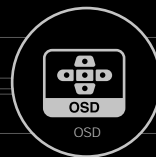
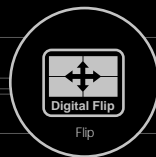


Normal



WDR

Powerful Multi Functions





Various **Special Features** for Enhanced Round the Clock Surveillance



128 Preset Settings

The SPD-3300 lets you specify up to 128 settings of monitoring area, time and method for automatic monitoring. In particular, you can use the image hold feature to maintain an image while moving in the preset area, for increased monitoring convenience. - PTZ Tracing, Auto Swing, Group (Max. 6), Tour (Max. 6)

Motion Detection

The SPD-3300 provides the motion detection feature that automatically recognizes a subject being monitored and generates a warning message or alarm. Up to 4 detection areas can be specified.



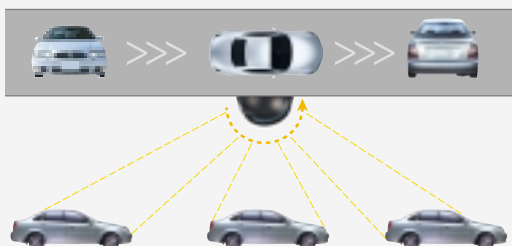
Wide Range White Balance

The automatic white balancing range has been expanded to 1,800°K ~ 10,500°K, enabling balanced implementation of original colours under sodium lights such as a tunnel or motorway.



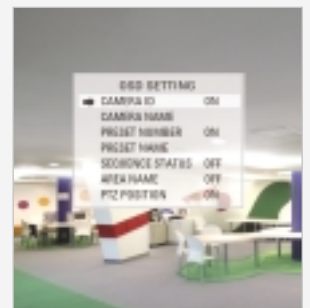
Digital Flip

Enables automatic tracking and monitoring through controller operation right below the camera of an object in motion.

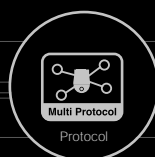
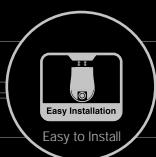
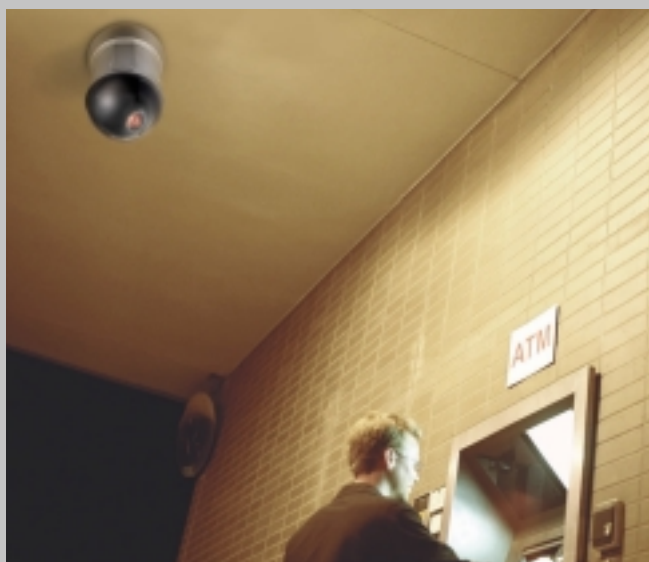


Convenient OSD Menu

Using the OSD menu that displays camera functions in characters on the screen, you can specify each camera function easily and conveniently.



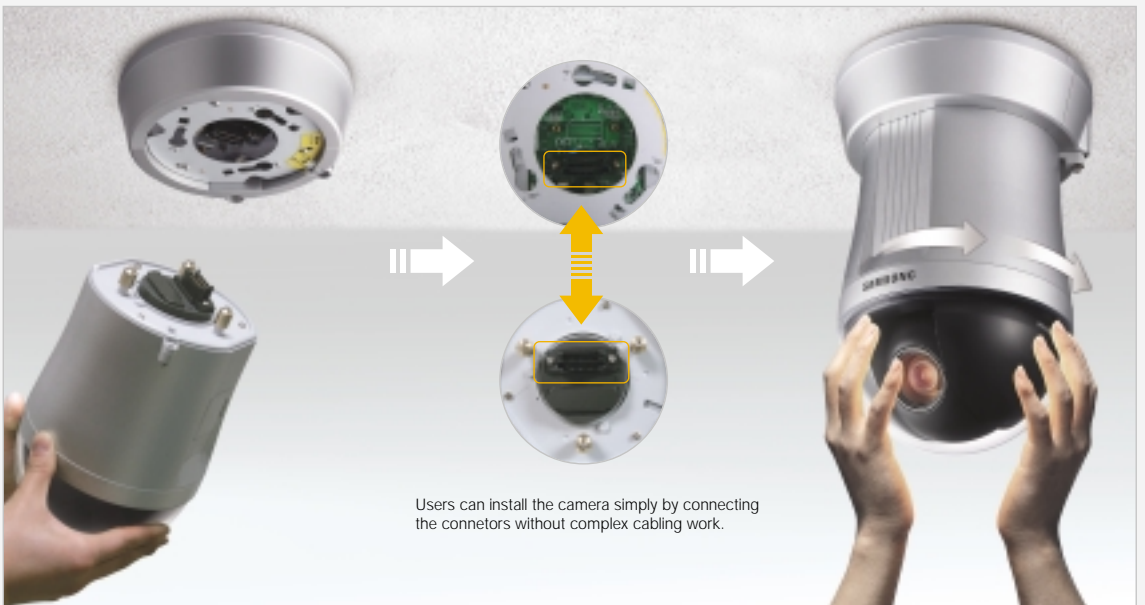
EASY Installation Multi Protocol



Simple Installation and Multiple Protocol Support



The SPD-3300 supports various installation accessories. Indoor/outdoor housings and mounting brackets with enhanced durability and various brackets make installation easier and faster without sophisticated cabling regardless of location. Furthermore, since it supports multi product protocols, the SPD-3300 can be utilized in even broader applications which do not include Samsung Techwin products.



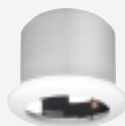
SPD-3300 Accessories

Indoor/Outdoor Housing



STH-330PI/PO

Indoor Embedded Housing



STH-330PE

Ceiling Surface Mount



STB-330PC

Wall Mount



STB-270PW

Ceiling Mount



STB-496PP



Perfect Stability and Reliability

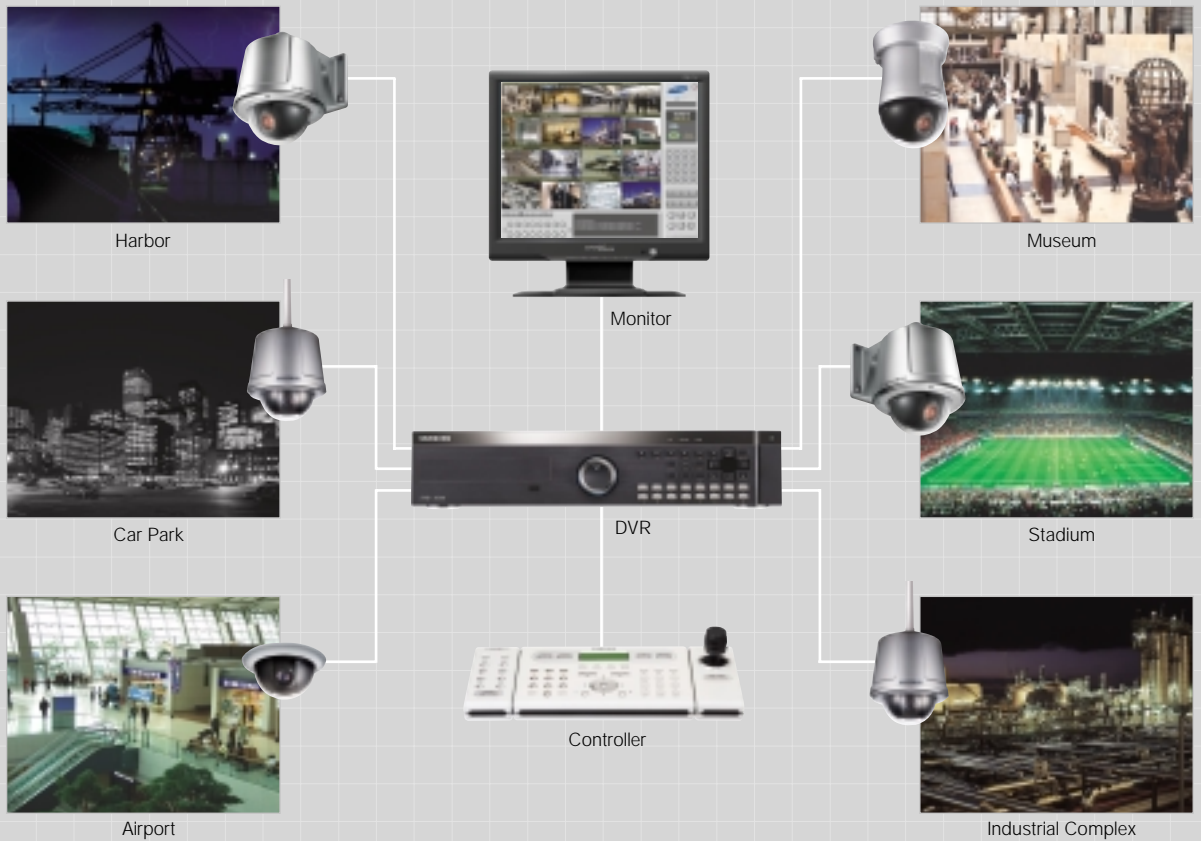
Samsung Techwin enforces various intensive quality tests that ensures that all our products perform under any circumstances : electrical reliability tests for static electricity, impulse noise and power fluctuations, temperature assurance environmental tests at low and high temperatures, transportation assurance environmental tests for dropping and vibration, and Day & Night endurance test. In particular, to overcome extreme outdoor conditions, all the test boundary conditions for the SPD-3300 are raised to their maximum, assuring product reliability that implements the best image quality in any installation environment.

1. Static Electricity Test
2. Impulse Noise Test
3. Temperature / Humidity Reliability Test
4. Temperature Cycle Test
5. Instantaneous Interruption Test

Stability Perfect Test...
& Reliability

Various Applications

APPLICATION



Incorporating Samsung Techwin's *SVIII* ultra low light and WDR imaging technologies and a 30X optical zoom, the SPD-3300 enables perfect monitoring anytime anywhere.

Ultra Low Light & WDR 30X Speed Dome Camera

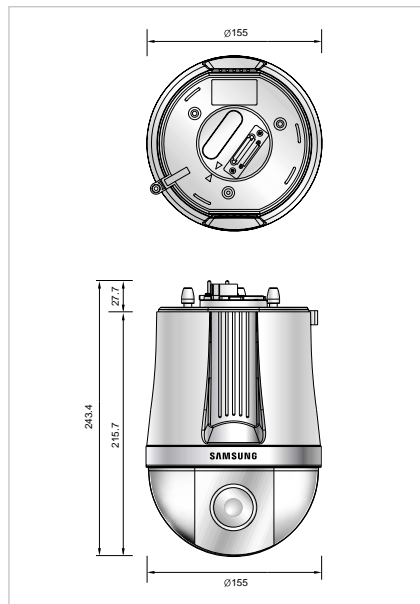
SPD-3300



Specifications

| Model | SPD-3300N | SPD-3300P |
|--------------------------|---|---|
| Power Source | 24V AC | |
| Power Consumption | 8Watts in standing by 13Watts in operating | |
| Image Pick-up Device | 1/4" Double Scan Exview 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, 625 Lines / 50 Fields / 25 Frames | |
| Synchronization | External selectable (AC line lock) | |
| Scanning Frequency | 15.734KHz(H) / 59.94Hz(V) | 15.625KHz(H) / 50.00Hz(V) |
| Resolution | Color : 520TV lines (Min.) / B/W : 570TV lines (Min.) | |
| Video Output | 1.0p-p / 75Ω | |
| S / N Ratio | More than 50dB (AGC off) | |
| Min. Illumination | 0.4 Lux @ F1.6 (Normal color mode) | |
| | 0.08 Lux @ F1.6 (B/W mode) | |
| | 0.003 Lux @ F1.6 (Sens-up mode) | |
| Day & Night | Auto / Color / B/W (ICR filter change) | |
| Electronic Shutter Speed | Auto / Manual selectable (1/60 ~ 1/120,000) | Auto / Manual selectable (1/50 ~ 1/120,000) |
| Slow-shutter | On (2X ~ 128X fields) / Off selectable | |
| White Balance | ATW / AWC / Manual selectable | |
| Wide Dynamic Range | 52dB | |
| Gain Control | Auto / Manual selectable | |
| OSD | On / Off selectable | |
| Digital Zoom | 8X (Total 240X zoom) | |
| Zoom Ratio | f3.3 ~ 99.0mm (30X) | |
| Serial Communication | RS-485, RS-422, RS-232C | |
| Min. Focus Distance | 1.2m | |
| Max. Zoom Speed | 5.2sec | 5.4sec |
| Pan Rotation Angle | 360° Endless | |
| Pan Speed | 240°/sec (64 step) | |
| Tilt Rotation Angle | -4° to 184° | |
| Tilt Speed | 240°/sec (64 step) | |
| Privacy Function | On / Off Selectable (8 Programmable zone) | |
| Preset | 128 preset (Straight) | |
| Auto Flip | Digital flip | |
| Operating Temperature | -10°C ~ +50°C | |
| Operating Humidity | 20% ~ 60% RH | |
| Dimensions | Ø155(W) x 243.4(H)mm | |
| Weight | Approx. 2.0kg | |

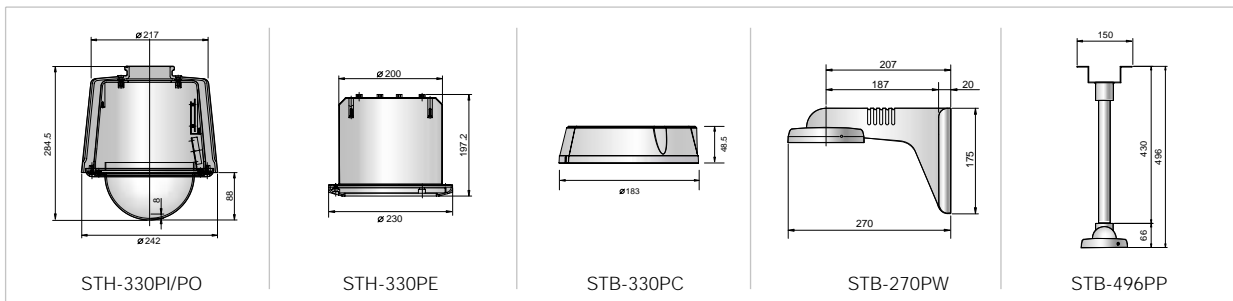
Dimensions



Controller (Option)



Accessory Dimensions



www.samsungcctv.com

Design and specifications are subject to change without notice.



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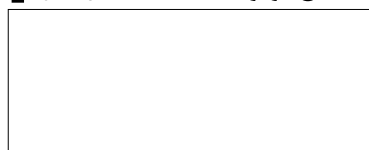
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