

# For Complete Darkness

IP66 Zoom Camera with Built-in Adaptive Illumination IR LEDs



The SCO-2120R from Samsung features the W-V DSP chipset to deliver advanced functionality such as 600TVL resolution, coaxial control compatibility, Samsung Super Dynamic Range (SSDR) and third generation Samsung Super Noise Reduction (SSNR III), which eliminates image noise in low light conditions without creating motion blur or ghosting.

Complete with a 12x zoom lens, the SCO-2120R benefits from timed presets to enable the zoom function to operate automatically at pre-determined times during the day. This can be set-up effortlessly via the coaxial cable from a compatible DVR.

The SCO-2120R is housed in a full weatherproof casing rated to IP66 with integrated sunshield and supplied with a mounting bracket that allows the camera to be installed either wall, surface or ceiling mount to ensure the required field of view can be obtained every time.



High Resolution 12x Weatherproof IR Camera

# SCO-2120R

- 12x optical zoom (3.9 ~ 46mm)
- Equipped with high performance Adaptive Illumination IR LEDs
- 70m monitoring range
- Dustproof & waterproof integrated camera housing rated to IP66

# High Resolution 12x Weatherproof IR Camera

# SCO-2120R



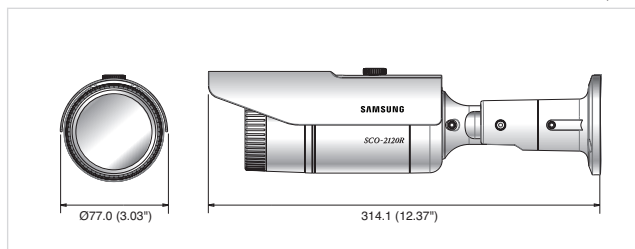
## Specifications

|                                  | SCO-2120RN  | SCO-2120RP  |
|----------------------------------|---|---|
| <b>VIDEO</b>                     |   |   |
| Imaging Device                   | 1/4" Super HAD CCD II   |   |
| 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 / Line lock  |   |
| Frequency                        | H : 15.734KHz / V : 59.94Hz   | H : 15.625KHz / V : 50Hz  |
| Horizontal Resolution            | Color : 600TV lines / B/W : 700TV lines   |   |
| Min. Illumination                | Color : 0.2Lux (50IRE@F1.67), 0.0004Lux (Sens-up, 512x)<br>B/W : 0Lux (LED on)                        |   |
| S / N Ratio                      | 52dB (AGC off, Weight on)   |   |
| Video Output                     | CVBS : 1.0 Vp-p / 75 composite  |   |
| <b>LENS</b>                      |   |   |
| Focal Length (Zoom Ratio)        | 3.94 ~ 46.05mm (Optical 12x)  |   |
| Max. Aperture Ratio              | 1 : 1.67(Wide) ~ 1.88(Tele)   |   |
| Angular Field of View            | H : 51.54°(Wide) ~ 4.5°(Tele) / V : 39.24°(Wide) ~ 3.38°(Tele)  |   |
| Min. Object Distance             | 1.8m (Tele) (5.91ft)  |   |
| Focus Control                    | Auto / Manual / One shot  |   |
| Zoom Movement Speed              | 1.9sec (Wide to tele)   |   |
| <b>OPERATIONAL</b>               |   |   |
| On Screen Display                | English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean                                     | English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese |
| Camera Title                     | On / Off (Displayed 15 characters)  |   |
| Day & Night                      | Auto (ICR) / Color / B/W  |   |
| Backlight Compensation           | Off / BLC / HLC   |   |
| Dynamic Range                    | SSDR (Off / On)   |   |
| Digital Noise Reduction          | SSNR III (Off / On)   |   |
| Digital Image Stabilization      | Off / On  |   |
| Motion Detection                 | Off / On (8 programmable zones)   |   |
| Privacy Masking                  | Off / On (12 programmable zones)  |   |
| Sens-up (Frame Integration)      | 2x ~ 512x   |   |
| Gain Control                     | Off / Low / Medium / High / Manual  |   |
| White Balance                    | ATW / Outdoor / Indoor / Manual / AWC (1,700K° ~ 11,000K°)  |   |
| Electronic Shutter Speed         | 1/60 ~ 1/120,000sec   | 1/50 ~ 1/120,000sec   |
| Digital Zoom                     | Off / On (1x ~ 16x)   |   |
| Reverse                          | Off / On  |   |
| Communication                    | Coaxial control (SPC-300 compatible), RS-485  |   |
| Protocol                         | Coax : Pelco-C (Coaxitron)<br>RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD |   |
| IR Distance                      | 70m (850nm IR LED : 31ea)   |   |
| <b>ENVIRONMENTAL</b>             |   |   |
| Operating Temperature / Humidity | -10°C ~ +50°C (+14°F ~ +122°F) / Less than 90% RH   |   |
| Ingress Protection               | IP66  |   |
| <b>ELECTRICAL</b>                |   |   |
| Input Voltage / Current          | Dual (24V AC & 12V DC ±10%)   |   |
| Power Consumption                | Max. 6.8W / 6.5W (IR LED on)  |   |
| <b>MECHANICAL</b>                |   |   |
| Color / Material                 | Dark gray / ALDC  |   |
| Dimensions (WxHxD)               | Ø77.0 x 274.7mm (Ø3.03" x 10.81") (Bracket angle 90°), 314.1mm (12.37") (Bracket angle 180°)          |   |
| Weight                           | 1.2Kg (2.65 lb)   |   |

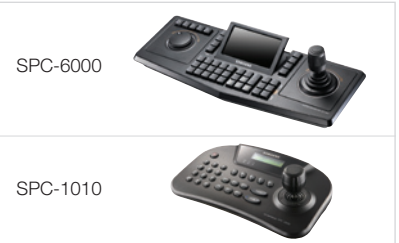


## Dimensions

Unit : mm (inch)



## Controller (Option)



Design and specifications are subject to change without notice.



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



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