

# 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 IR LED Camera with 12x Zoom

## 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

# 12x High Resolution IR LED Camera

# SCO-2120R

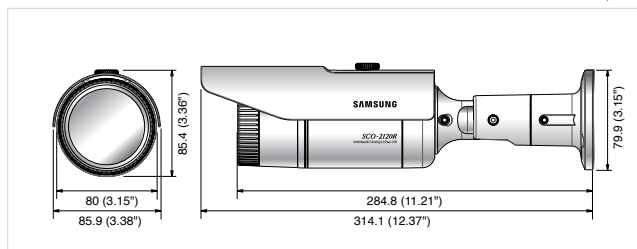


## Specifications

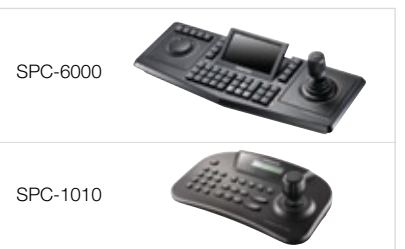
|                                  | SCO-2120N (NTSC)   | SCO-2120P (PAL)  |
|----------------------------------|--|--|
| <b>ELECTRICAL</b>                |  |  |
| Input Voltage                    | Dual (12V DC / 24V AC)   |  |
| Power Consumption                | 24V AC 6.8W / 12V DC 6.5W 550mA (LED on)                                       |  |
| <b>VIDEO</b>                     |  |  |
| 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 / 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 (Y signal)                 | 52dB   |  |
| Video Output                     | CVBS : 1.0Vp-p, 75   |  |
| <b>LENS</b>                      |  |  |
| Zoom Ratio                       | 12x (Optical), 16x (Digital)   |  |
| Focal Length                     | 3.9 ~ 46mm (F1.67 ~ 1.88)  |  |
| Max. Aperture Ratio              | 1 : 1.67(Wide) ~ 1.88(Tele)  |  |
| Min. Objecy Distance             | 1.8m (5.91ft)  |  |
| Angular Field of View            | H : 51.54°(Wide) ~ 4.5°(Tele) / V : 39.24°(Wide) ~ 3.38°(Tele)                 |  |
| Focus                            | Auto / Manual / One push   |  |
| Iris Control                     | Auto / Manual  |  |
| <b>OPERATIONAL</b>               |  |  |
| On Screen Display                | Korea, English, Japan,<br>Spanish, French, Portuguese, Taiwanese               | English, French, German, Spanish, Italian, Chinese, Russian,<br>Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese |
| Camera Title                     | On / Off (Displayed 15 characters)   |  |
| Day & Night                      | Auto (ICR) / Color / B/W   |  |
| SSDR                             | On / Off (Level adjustable)  |  |
| Backlight Compensation           | BLC / HLC / Off  |  |
| Motion Detection                 | On / Off (8 Programmable zones)  |  |
| Digital Zoom                     | On / Off (1X ~ 16X)  |  |
| Digital Image Stabilization      | On / Off   |  |
| Privacy Masking                  | On / Off (12 Programmable zones)   |  |
| 2D+3D Noise Filter (SSNRIII)     | On / Off   |  |
| Sens-up (Frame Integration)      | Auto / Off (Selectable limit ~ 512X)   |  |
| Gain Control                     | Low / High / Off   |  |
| White Balance                    | AWC, Manual, Indoor, Outdoor, ATW (1,700°K ~ 11,000°K)                         |  |
| Electronic Shutter Speed         | Fixed (1/60 / Flickerless)   | Fixed (1/50 / Flickerless)   |
| Sharpness                        | On / Off (Level adjustable)  |  |
| Flip / Mirror                    | On / Off   |  |
| Communication                    | RS-485, Coaxial control  |  |
| <b>ENVIRONMENTAL</b>             |  |  |
| Operating Temperature / Humidity | -10°C ~ +50°C (+14°F ~ +122°F) / 20% ~ 80% RH                                  |  |
| Storage Temperature / Humidity   | -20°C ~ +60°C (-4°F ~ +140°F) / 20% ~ 95% RH                                   |  |
| <b>MECHANICAL</b>                |  |  |
| Dimension (WxHxD)                | 85.9 x 85.4 x 314.1mm (3.38" x 3.36" x 12.37")                                 |  |
| Weight                           | 1.2Kg (2.65 lb)  |  |
| IR LED                           | 32EA   |  |
| IR Distance                      | 70m (230ft)  |  |
| Ingress Protection               | IP66   |  |
| Certifications                   | FCC (Class A)  | CE (Class A)   |

## 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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