

# SCO-2120R

1/4" High Resolution 12x Weatherproof IR Camera

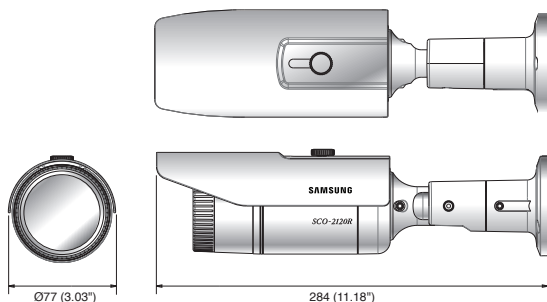


## Key Features

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0Lux (IR LED On), IR distance 70m
- Powerful 12x zoom (3.94 ~ 46.05mm), digital 16x
- True Day / Night (ICR), MD, SSNRIII
- IP66, Coax : Pelco-C (Coaxitron), RS-485, dual power

## Dimensions

Unit : mm (inch)



## Technical Specifications

|                                  | SCO-2120RN                                                                                            |                                                                                                                                     | SCO-2120RP |
|----------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------|
| VIDEO                            |                                                                                                       |                                                                                                                                     |            |
| 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@F1.67 (50IRE), 0.0004Lux (Sens-up, 512x)<br>B/W : 0Lux (IR LED on)                     |                                                                                                                                     |            |
| S / N Ratio                      | 52dB (AGC off, Weight on)                                                                             |                                                                                                                                     |            |
| Video Output                     | CVBS : 1.0 Vp-p / 75Ω composite                                                                       |                                                                                                                                     |            |
| LENS                             |                                                                                                       |                                                                                                                                     |            |
| 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)                                                                                 |                                                                                                                                     |            |
| OPERATIONAL                      |                                                                                                       |                                                                                                                                     |            |
| 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          | SSNRIII (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)                                                                                   |                                                                                                                                     |            |
| Flip                             | Vertical / Horizontal                                                                                 |                                                                                                                                     |            |
| Communication                    | Coaxial control, 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)                                                                             |                                                                                                                                     |            |
| ENVIRONMENTAL                    |                                                                                                       |                                                                                                                                     |            |
| Operating Temperature / Humidity | -10°C ~ +50°C (+14°F ~ +122°F) / Up to 100% RH                                                        |                                                                                                                                     |            |
| Ingress Protection               | IP66                                                                                                  |                                                                                                                                     |            |
| ELECTRICAL                       |                                                                                                       |                                                                                                                                     |            |
| Input Voltage                    | Dual (24V AC & 12V DC ±10%)                                                                           |                                                                                                                                     |            |
| Power Consumption                | Max. 6.8W / 6.5W (IR LED on)                                                                          |                                                                                                                                     |            |
| MECHANICAL                       |                                                                                                       |                                                                                                                                     |            |
| 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)                                                                                       |                                                                                                                                     |            |