

IR Camera for Demanding Environment



High Resolution Weatherproof IR Camera SCO-2080RH

The SCO-2080RH is a high resolution IR LED camera that can capture images within 50 meters in extremely low or no lighting using its built-in IR LED lamps. Utilizing Samsungs latest generation of Winner W5 DSP engine, it features true Day/Night operation with ICR and SSNRIII to eliminate image noise in low light and remote control via RS-485 or coaxial cable. Its built-in fan & heater makes the SCO-2080RH to boast excellent performance in demanding environment such as factory compounds, warehouses and ports.

- High resolution of 600TV lines (Color), 700TV lines (B/W)
- Min. illumination 0Lux (IR LED On), IR distance 50m
- Built-in V/F lens (2.8 ~ 10mm)
- True Day & Night (ICR), MD, SSNRIII
- Built-in fan & heater
- IP66, Coax control support

High Resolution Weatherproof IR Camera

SCO-2080RH

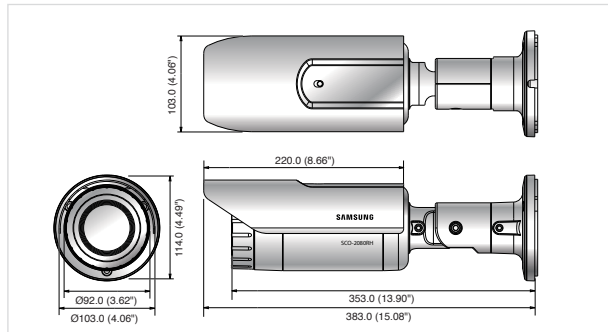


Specifications

| | SCO-2080RHN | SCO-2080RHP |
|----------------------------------|---|---|
| VIDEO | | |
| Imaging Device | 1/3" Super HAD CCDII | |
| 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 | Internal / Line Lock |
| Frequency | H : 15.734KHz / V : 59.94Hz | H : 15.625KHz / V : 50Hz |
| Horizontal Resolution | Color : 600 TV lines, B/W : 700 TV lines | |
| Min. Illumination | Color : 0.15Lux @ F1.2 (50IRE), 0.0003 Lux (Sens-up, 512x), B/W : 0 LUX (IR LED On) | |
| S / N Ratio | 52dB (AGC off, Weight on) | |
| Video Output | CVBS : 1.0 Vp-p / 75Ω composite | |
| LENS TYPE | | |
| Focal Length (Zoom Ratio) | 2.8 ~ 10mm (V/F, 3.6x) | |
| Max. Aperture Ratio | 1:1.2 (Wide) ~ 2.8 (Tele) | |
| Angular Field of View | H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele) | |
| Min. Object Distance | 0.2M | |
| Focus Control | Manual | |
| Lens Type | DC Auto Iris | |
| 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 | Off / On (Displayed 15 characters) | |
| Day & Night | Auto (ICR) / Color / B/W | |
| Backlight Compensation | BLC / HLC / Off | |
| Contrast Enhancement | 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 / High | |
| White Balance | ATW / Outdoor / Indoor / Manual / AWC (1,700K° ~ 11,000K°) | |
| Electronic Shutter Speed | 1/60 ~ 1/120,000 sec | 1/50 ~ 1/120,000 sec |
| Digital Zoom | Off / On (1x ~ 16x) | Off / On (1x ~ 16x) |
| Reverse | H-Rev (Off/On), V-Rev (Off/On) | |
| Communication | Coaxial Control (SPC-300 Compatible), RS-485, SRD-XXXDC coaxial DVRs | |
| Protocol | Coax : Pelco-C (Coaxitron), RS-485 : Samsung-T, Samsung-E, Pelco-D, Pelco-P, Panasonic, Bosch, Honeywell, Vicon | |
| ENVIRONMENTAL | | |
| Operating Temperature / Humidity | -50°C ~ +50°C (+14°F ~ +122°F) / Less than 90% RH | |
| Ingress Protection | IP66 | |
| ELECTRICAL | | |
| Input Voltage/Current | Dual (24VAC ±10% & 12VDC±10%) | |
| Power Consumption | Max. 15W (heater on), Max. 7.2W (heater off) | |
| MECHANICAL | | |
| Color / Material | Dark Gray / ALDC | |
| Dimension (WxHxD) | Ø114 x 383 mm (Ø4.49" x 15.08")(Bracket Angle 180°) | |
| Weight | 1.7kg (3.75lb) | |

Dimensions

Unit : mm (inch)



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

Design and specifications are subject to change without notice.



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