

# Shine Through the Darkness

Ultra Low Light Levels of 0 Lux!



High Resolution IR LED Vandal-Resistant Dome Camera

## SCV-2080R

- IR vandal-resistant dome camera with a horizontal resolution of 600 TV lines
- Visibility of 30m (high performance black IR LED)
- 3.6X varifocal lens (2.8 ~ 10mm)
- Dustproof and waterproof (IP66)
- OSD menu access via coaxial telemetry

# High Resolution IR LED Vandal-Resistant Dome Camera

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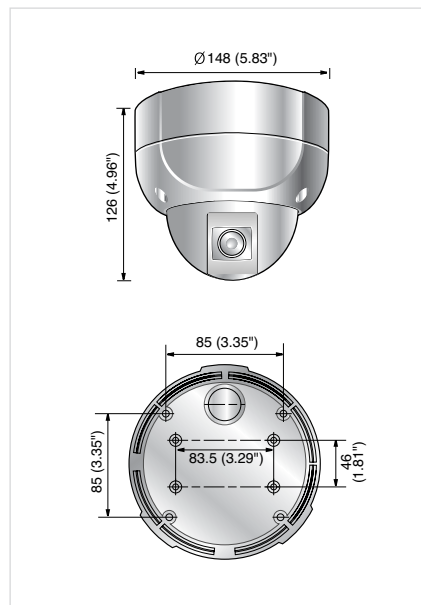


### Specifications

|                                  | SCV-2080RN                                                                                      | SCV-2080RP                                                                                                                          |
|----------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| VIDEO                            |                                                                                                 |                                                                                                                                     |
| Imaging Device                   | 1/3" 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 : 0.15Lux@F1.2 (50IRE), 0.0003Lux (Sens-up, 512x), B/W : 0Lux (LED on)                    |                                                                                                                                     |
| S / N Ratio                      | 52dB (AGC off, Weight on)                                                                       |                                                                                                                                     |
| Video Output                     | CVBS : 1.0 Vp-p / 75Ω composite                                                                 |                                                                                                                                     |
| LENS                             |                                                                                                 |                                                                                                                                     |
| Focal Length (Zoom Ratio)        | 2.8 ~ 10mm (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 (0.66ft)                                                                                   |                                                                                                                                     |
| Lens Type                        | DC auto iris                                                                                    |                                                                                                                                     |
| Mount Type                       | Board type                                                                                      |                                                                                                                                     |
| PAN / TILT                       |                                                                                                 |                                                                                                                                     |
| Pan Range                        | 0° ~ 340°                                                                                       |                                                                                                                                     |
| Tilt Range                       | 0° ~ 146°                                                                                       |                                                                                                                                     |
| Rotate Range                     | 0° ~ 340°                                                                                       |                                                                                                                                     |
| 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          | 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 / High                                                                                |                                                                                                                                     |
| 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                          | H-Rev (Off / On) / V-Rev (Off / On)                                                             |                                                                                                                                     |
| Communication                    | Coaxial control (SPC-300 compatible), RS-485                                                    |                                                                                                                                     |
| Protocol                         | Coax : Pelco-C (Coaxitron), RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon |                                                                                                                                     |
| IR Distance                      | 30m (IR LED 10ea)                                                                               |                                                                                                                                     |
| ENVIRONMENTAL                    |                                                                                                 |                                                                                                                                     |
| Operating Temperature / Humidity | -10°C ~ +50°C (+14°F ~ +122°F) / Less than 90% RH                                               |                                                                                                                                     |
| Ingress Protection               | IP66                                                                                            |                                                                                                                                     |
| ELECTRICAL                       |                                                                                                 |                                                                                                                                     |
| Input Voltage / Current          | Dual (24V AC & 12V DC ±10%)                                                                     |                                                                                                                                     |
| Power Consumption                | Max. 5W                                                                                         |                                                                                                                                     |
| MECHANICAL                       |                                                                                                 |                                                                                                                                     |
| Color / Material                 | Ivory / Aluminum, Plastic (Dome cover : Smoked)                                                 |                                                                                                                                     |
| Dimensions (WxH)                 | Ø148.0 x 126.0mm (Ø5.83" x 4.96")                                                               |                                                                                                                                     |
| Weight                           | 1.3Kg (2.87 lb)                                                                                 |                                                                                                                                     |

### Dimensions

Unit : mm (inch)



### Accessories

| Pendant Mount | Wall Mount | Corner Mount |
|---------------|------------|--------------|
|               |            |              |
| STB-319VPW    | STB-249VPW | STB-250VCW   |
|               |            |              |
|               | STB-225VW  |              |
|               |            |              |
|               | STB-275VW  |              |



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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