

# See in the Darkness

## 650 TV Lines IR Camera



Premium Resolution Weatherproof IR Camera

# SCO-3080R

The SCO-3080R is a 650 TV lines IR LED camera that can capture images within 50 meters in complete darkness using its built-in IR LEDs. This camera is powered by Samsung's latest generation of SV5 DSP chipset which features True Day/Night with ICR, WDR (Wide Dynamic Range) for backlight problems caused by different lighting condition, and SSNR III (2D+3D Samsung Super Noise Reduction) to eliminate image noise in low light. The SCO-3080R is also equipped with remote control access via RS-485 or coaxial cable.

- High resolution of 650TV lines, 700TV lines (B/W)
- Min. illumination 0 Lux (IR LED on)
- 2.8 ~ 10mm (3.6x) varifocal lens
- WDR, VPS, Intelligent video analytics
- True Day & Night (ICR), MD, SSNR III
- Weatherproof IP66

# Premium Resolution Weatherproof IR Camera

## SCO-3080R

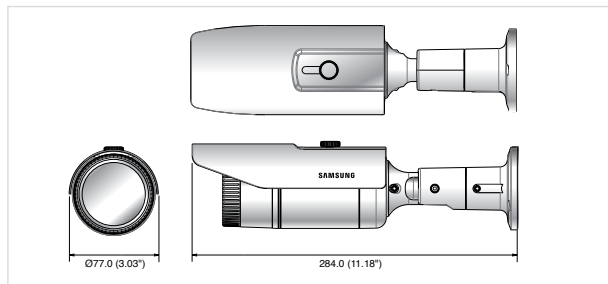


### Specifications

	SCO-3080RN	SCO-3080RP
<b>VIDEO</b>		
Imaging Device	1/3" Super HAD CCDII	
Total Pixels	1,028(H) x 508(V)	1,028(H) x 596(V)
Effective Pixels	976(H) x 494(V)	976(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 : 650 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	
<b>LENS TYPE</b>		
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 (0.66ft)	
Focus Control	Manual	
Lens Type	DC Auto Iris	
<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	Off / On (Displayed 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / User BLC / HLC / SDR / WDR	
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)	
Profile	Basic, Day & Night, Backlight, ITS, Indoor, User	
VPS	Off / On	
Intelligent Video	Fixed_Moved, Fence, Tracking, Detection, Counting	
PIP	Off / On	
Alarm	1 Output	
Communication	Coaxial Control (SPC-300 Compatible), RS-485	
Protocol	Coax : Pelco-C (Coaxitron), RS-485 : Samsung-T, Samsung-E, Pelco-D, Pelco-P, Panasonic, Bosch, Honeywell, Vicon	
IR Distance	50m (850nm IR LES : 32ea)	
<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 ±10% & 12V DC ±10%)	
Power Consumption	Max 6.8W / 6.5W (IR LED On)	
<b>MECHANICAL</b>		
Color / Material	Dark Gray / ALDC	
Dimension (WxHxD)	Ø77.0mm (3.03") x 216mm (8.5") (Bracket Angle 90°), 284.0mm(11.18") (Bracket Angle 180°)	
Weight	1Kg (2.2lb)	

### Dimensions

Unit : mm (inch)



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.



#### SAMSUNG TECHWIN CO., LTD.

701, Sampyeong-dong, Bundang-gu, Seongnam-si, Gyeonggi-do Korea 463-400  
Tel : +82-70-7147-8741~8749, 8752-8760 Fax : +82-31-8018-3745  
www.samsungsecurity.com www.samsungcctv.com

#### SAMSUNG TECHWIN AMERICA INC.

100 Challenger Rd. Suite 700 Ridgefield Park, NJ 07660  
Toll Free : +1-877-213-1222 Direct : +1-201-325-6920  
Fax : +1-201-373-0124  
www.samsungcctvusa.com

#### SAMSUNG TECHWIN EUROPE LTD.

Samsung House, 1000 Hillwood Drive, Hillwood Business Park  
Chertsey, Surrey, UNITED KINGDOM KT16 0PS  
Tel : +44-1932-45-5300 Fax : +44-1932-45-5325

#### TIANJIN SAMSUNG TECHWIN OPTO-ELECTRONICS CO., LTD.

No.11 Wei 6 Street, Micro-Electronic Industrial Park  
Jingang Road, Tianjin, P.R. CHINA 300385  
Tel : +86-22-23887788 Fax : +86-22-23887788

■ DISTRIBUTED BY

