

# 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

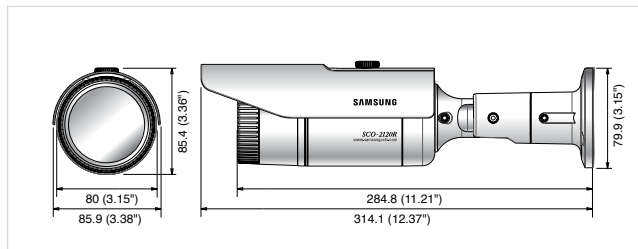


## Specifications

	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) 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, Spanish, French, Portuguese, Taiwanese	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	
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)

SPC-6000



SPC-1010



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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 This product specifications and manual are also available in pdf format at [www.samsung-security.com](http://www.samsung-security.com)  
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