

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 12x Weatherproof IR Camera

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

High Resolution 12x Weatherproof IR Camera

SCO-2120R

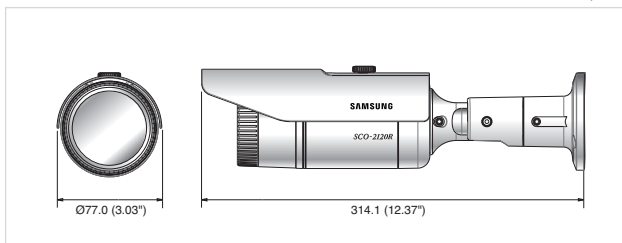


Specifications

	SCO-2120RN	SCO-2120RP
VIDEO		
Imaging Device	1/4" 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 : 0.2Lux (50IRE@F1.67), 0.0004Lux (Sens-up, 512x) B/W : 0Lux (LED on)	
S / N Ratio	52dB (AGC off, Weight on)	
Video Output	CVBS : 1.0 Vp-p / 75 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	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 / 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)	
Reverse	Off / On	
Communication	Coaxial control (SPC-300 compatible), RS-485 Coax : Pelco-C (Coaxitron)	
Protocol	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) / Less than 90% RH	
Ingress Protection	IP66	
ELECTRICAL		
Input Voltage / Current	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)	

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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