No place to Hide...

The Perfect 24-hour Security Solution

High-performance Camera, SIR-4150

Vari-focal Lens (3.8 ~ 9.5mm) for a more flexible surveillance

The SIR-4150 is equipped with a Vari-focal lens of 3.8 ~ 9.5mm that ensures optimum video image and focus setting so that you get the best view of the surveillance environment. It can be utilized in various installation environments.

2.5X   Normal
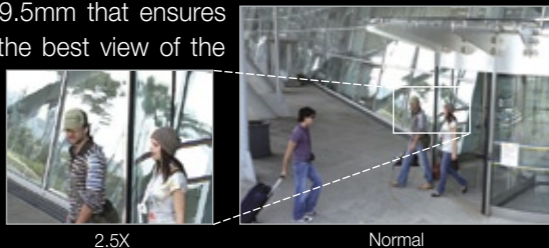
High Performance IR LEDs Ensures 4 times Higher Brightness

The SIR-4150 incorporates high performance IR LED lamps that provide upto 4 times higher brightness than ordinary LEDs allowing for clearer images and more accurate identification in complete darkness. The IR illuminators also withstands high temperature upto 100°C enabling the camera to function with a high degree of relibility and have a long life.

Waterproof & Dustproof with IP65 and Sun Shield support

The SIR-4150 provides an IP65 rated enclosure which means that it is both water-resistant and dust-resistant. This makes the SIR-4150 a great choice for factories, loading docks, storage yards, or anywhere the environment and/or night time lighting is a challenge.
(Note : Outdoor Housing is recommended for the environments where there are excessive precipitation to protect from water penetration.)

Long Range Visibility of 30m in Complete Darkness

The IR LEDs of the SIR-4150 automatically illuminates viewing area in the extreme darkness allowing the camera a long-range visibility of up to 30 meters.

IR MODE for Clear Subject Recognition

The SIR-4150 provides IR glare reduction that prevents short distance saturation when IR LEDs are on resulting in clear recognition of a subject located within 3 meters.

Conventional Camera   SIR-4150

Day & Night IR LED Camera with Built-in Vari-focal Lens
SIR-4150

Specifications

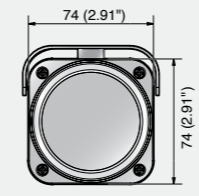| Mode	SIR-4150N	SIR-4150P
Power Source	12V DC (±10%)	
Power Consumption	Max. 5.5W (LED On)	
Image Pick-up Device	1/3" Super HAD CCD	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	2 : 1 Interlace
	525 Lines / 60 Fields / 30 Frames	625 Lines / 50 Fields / 25 Frames
Synchronization	Internal / Line lock selectable	
Scanning Frequency	Horizontal : 15,734KHz / Vertical : 59.94Hz	Horizontal : 15,625KHz / Vertical : 50Hz
Horizontal Resolution	Color : 520TV lines (Min.) / B/W : 570TV lines (Min.)	
Min. Illumination — LED On	0 Lux@F1.2 (B/W mode, 50 IRE)	
Min. Illumination — LED Off	0.3Lux@F1.2 (Normal color mode, 50 IRE)	
	0.002Lux@F1.2 (Sens-up mode, 50 IRE)	
Video Output	1.0Vp-p / 75Ω	1.0Vp-p / 75Ω
	(Video 0.714Vp-p, Sync 0.286Vp-p)	(Video 0.7Vp-p, Sync 0.3Vp-p)
Lens	2.5X Auto iris varifocal lens, 3.8 ~ 9.5mm (F1.2)	
IR LED	24ea	
IR Distance	30m	
Water Resistance	IP65	
S / N Ratio (Y signal)	50dB (AGC off, Weight on)	
Day & Night	Color / B/W / Auto (ICR filter change)	
Gain Control	Low / Middle / High / Off	
White Balance	ATW / AWC / Manual (1800°K ~ 10,500°K)	
Electronic Shutter Speed	Auto / Manual (1/60 ~ 1/120,000sec)	Auto / Manual (1/50 ~ 1/120,000sec)
Sens-up (Frame Integration)	On / Off (Selectable limit ~ 128X)	
OSD	Built-in	
SSNR	Low / Middle / High / Off	
Motion Detection	On / Off selectable (Output via terminal)	
Privacy Masking	On / Off selectable (4 Prorammable zones per screen)	
Mirror	On / Off	
Sharpness	On / Off	
Max. Aperture Ratio	1 : 1.2 ~ 2.1	
Communication	RS-485 (Pelco-D)	
Operating Temperature	-10°C ~ +50°C	
Operating Humidity	30% ~ 80% RH	
Dimensions	74(W) x 74(H) x 134.5(D)mm / 2.91″(W) x 2.91″(H) x 5.3″(D)	
Weight	585g (1.29 lb)	

* IP65 (Ingress Protection) : Fully supported with proper camera installation.

Dimensions
Unit : mm (inch)

FRONT
80 (3.15")
160 (6.3")
134.5 (5.30")
81.5 (3.21")
43.5 (1.71") 75 (2.95") 16 (0.63")
74 (2.91")
74 (2.91")
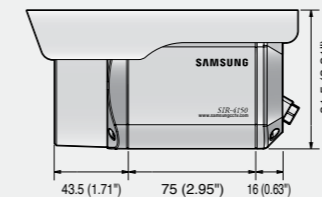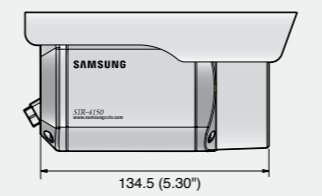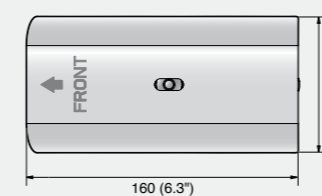
Option

Remote Controller
SCC-101

Wall Bracket
STB-4150V

No More Total Darkness
High-performance IR LED Camera

SIR-4150

imagine Seeing in Total Darkness

A high-performance IR camera, the SIR-4150 provides high-resolution video images regardless of day or night, and it can detect and distinguish a moving subject in a pitchdark environment with 0 Lux minimum illumination. Equipped with various features for advanced functions such as high-resolution video images, ICR Day & Night feature, and vari-focal lens ensures you to have the most reliable 24-hour video security that provides clean and vivid image for diverse security applications.

SAMSUNG TECHWIN

Zero Zone for Light…
Eyes that Light up in Pitch Black Conditions

High-performance IR LED Camera, SIR-4150

The SIR-4150 provides high-resolution video images regardless of day or night, and it can detect and distinguish a moving subject in a pitch-dark environment with 0 Lux minimum illumination.

Vari-Focal Lens provides a more flexible surveillance environment

High-performance **IR LEDs** ensure all-weather day and night surveillance

IP65 certificate and **Sun Shield** support

# See in Total Darkness…

Total Darkness - a thing of the past!
0 Lux Minimum Illumination!
The ultimate night surveillance system, SIR-4150

The SIR-4150 is a high-performance IR LED camera with various features for advanced functions such as high-resolution video images, ICR Day & Night feature, Vari-focal lens and outdoor camera housing, which ensures you have the most reliable 24-hours a day video surveillance providing clean and vivid images for all places, including : military bases, ammunition dumps, outskirts of factories and commodity stores.

0 Lux Minimum Illumination that monitors in total darkness!

The SIR-4150 is equipped with high-performance IR LEDs that can detect and visualize even the small movement of subjects in total darkness without any light. It can be trusted to deliver the most reliable video surveillance by providing you with vivid color video images during the day and high resolution black and white images during the night.
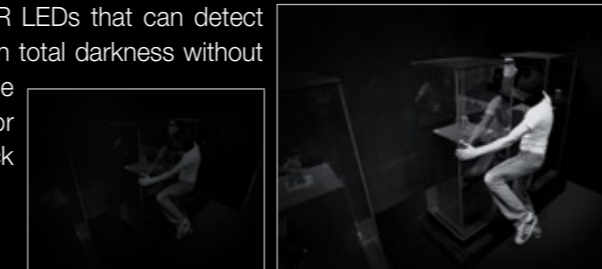
Conventional Camera   SIR-4150

High-resolution of 570TV lines that provides clearer images even at night time

The combination of a Super HAD CCD image sensor with outstanding performance and a WIII DSP system with high-efficiency processing enables the SIR-4150 to give you clear horizontal resolution of over 570TV lines in B/W mode.

WIII DSP chip

EIAJ Test Chart   SIR-4150

Day & Night (ICR type) feature for 24-hour Complete Monitoring

The SIR-4150 provides you with the ICR True Day & Night feature. It automatically removes the IR filters when night falls and switches to B/W mode to provide high image resolution during the night.

Day   Night

Detect Every Move...

SSNR provides vivid images with less DVR capacity

The SIR-4150 applies Samsung Techwin's world-renown noise reduction technology SSNR to eliminate any noise or after image associated with night environments, which can give the additional benefit of reducing the video file size to substantially reduce the DVR capacity by up to 70%.

84.032 Bytes 100%   25.803 Bytes 30%

SSNR Off   SSNR On
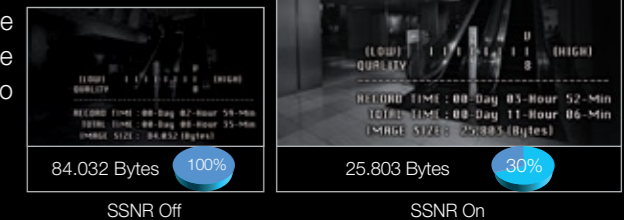
Privacy Area Masking feature. Wide Range White Balance feature

The SIR-4150's Privacy Area Masking feature lets you create a "privacy masking" over up to 4 zones of certain areas that are sensitive to be under surveillance, and the Wide Range White Balance feature provides you with optimum image quality even when used in poor surroundings like tunnels or sodium lighting.

Privacy Area Masking   White Balance

Convenient RS-485 remote control support for OSD menu

The SIR-4150 supports RS-485 communication for remotely controlling the OSD menu, which means you can conveniently change the setting for the camera without having to visit the installation location.

SCC-101 (OSD Controller)