

Ultra Low Light High Resolution Camera

SHC-737

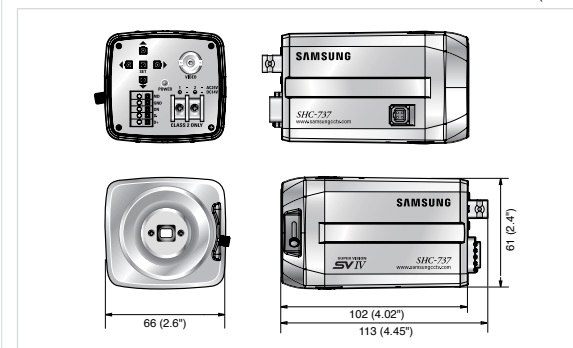


Specifications

	SHC-737N	SHC-737P
ELECTRICAL		
Input Voltage	Dual (12V DC / 24V AC)	
Power Consumption	Max. 4.0W	
VIDEO		
Imaging 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	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 580TV lines (Min.) / B/W : 700TV lines (Min.)	
Min. Illumination	Color : 0.05Lux (50 IRE@F1.2), 0.0002Lux (Sens-up, 512X) B/W : 0.0025Lux (50 IRE@F1.2)	
S / N (Y signal)	52dB	
Video Output	CVBS : 1.0Vp-p / 75Ω	
OPERATIONAL		
On Screen Display	Built-in (Currently supported languages : English, Spanish, Italian, French, German, Japanese, Chinese)	
Camera Title	On / Off	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	BLC / HLC / Off	
Dynamic Range	52dB	
Motion Detection	On / Off (Output via communication)	
Digital Zoom	On / Off (2X ~ 10X)	
Digital Image Stabilization	On / Off	
Privacy Masking	On / Off (8 Programmable zones)	
3D Noise Filter (SSNRII)	On / Off	
Sens-up (Frame Integration)	On / Off (Selectable limit ~ 512X)	
Gain Control	Low / High / Off	
White Balance	ATW / AWC / Manual / Indoor / Outdoor	
Electronic Shutter Speed	Auto (NTSC : 1/60 ~ 1/120,000sec, PAL : 1/50 ~ 1/120,000) / Manual / A.FLK	
Communication	RS-485	
Protocol	Samsung Techwin, Pelco-D	
Flip	On / Off	
Mirror	On / Off	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +50°C / 30% ~ 80% RH	
Storage Temperature / Humidity	-20°C ~ +60°C / 30% ~ 90% RH	
MECHANICAL		
Dimension (WxHxD)	66 x 61 x 102mm (2.6" x 2.4" x 4.02")	
Weight	315g (0.69 lb)	
Lens Mount	C / CS	
Certifications	FCC (Class A), UL (External power supply)	CE (Class A)

Dimensions

Unit : mm (inch)



Rear Panel



Design and specifications are subject to change without notice.

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SAMSUNG TECHWIN

SVIV



Dark Knight...

As night gets darker,
it performs stronger.

SHC-737

Ultra Low Light High Resolution Camera

- Super low light sensitivity of min. 0.05Lux
- Excellent high resolution color images of 580TV lines
- 3D filtering noise reduction technology, SSNR II
- ICR Day & Night function, 512X Sens-up support
- User-friendly Multi-language OSD
- Privacy masking for up to 8 areas



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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Excellent Low Light Performance Clear Image in the Dark



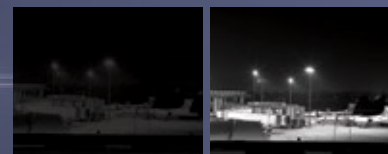
Embedded with the SV-IV fourth generation DSP chip, the SHC-737 provides vivid, life-like pictures at 580TV lines high resolution. With a minimum light level of 0.05Lux, this camera captures crystal clear pictures even in the darkest places and worst conditions. Its unparalleled performance makes it perfect for places kept under strict surveillance such as strategic defense sites, airports, harbors, town centers, streets, and large industrial complexes.

Low Light

Ultra Low Illumination 0.05Lux



The SHC-737 is excellent in enhancing the available lights in poor lighting conditions by increasing the sensitivity of the camera through the SV-IV, 4th generation DSP a new CCD sensor that produces high quality color images in ultra low light levels of 0.05Lux.



Conventional Camera

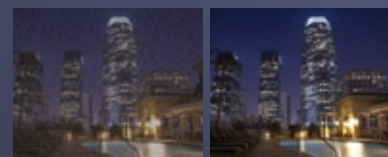
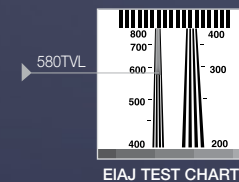
SHC-737

High Resolution

High quality Color Images of 580TV lines



The SHC-737 delivers high quality 580TV lines images utilizing a unique image processing technology found only in Samsung Techwin's 4th generation DSP.



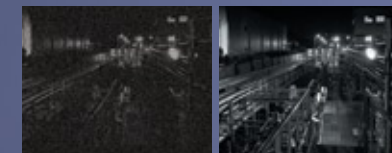
Conventional Camera

SHC-737

Powerful SSNR II Superb Quality Low Illumination Images



The SHC-737 enables clear ultra low illumination images using the powerful SSNR II (Samsung Super Noise Reduction II) function with the 3D DNR method to improve DVR recording durations.



Conventional Camera

SHC-737

Highlight Compensation, HLC



The SHC-737 is equipped with HLC (Highlight Compensation) which reverses bright spots in the picture (such as headlights). This improves the performance of the entire system by resolving and better displaying information such as license plates.



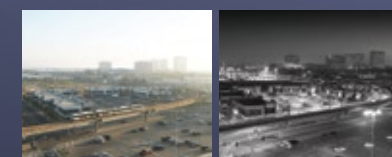
HLC Off

HLC On

24 hour Clear Image through ICR Day & Night Function



The SHC-737 produces high quality images through an ICR Day & Night function by automatically switching to optimal surveillance mode in response to illumination changes in day and night.



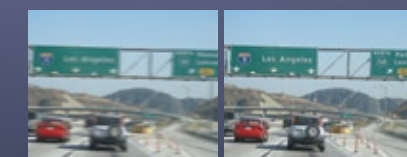
Day

Night

Digital Image Stabilization, DIS



The built-in DIS (Digital Image Stabilization) of the SHC-737 removes image jitter that is caused by vibrations in the building. This stabilization greatly reduces the amount of hard disk space required to store images on a DVR.



DIS Off

DIS On

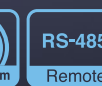
Convenient Multi-language OSD



The camera's multi-language On Screen Display improves user convenience and enables easy access to various camera functions.



10X Digital Zoom, RS-485 Support



The SHC-737 supports a max.10X digital continuous zoom, making the identification of a subject easier. The menu on the camera can be set remotely via RS-485 communication network.



Normal

10X Digital Zoom

