High Resolution Day & Night Dome Camera

SID-460/460W/462/462W
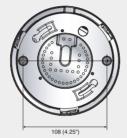
Specifications

	SID-460N/460WN	SID-460P/460WP	SID-462N/462WN	SID-462P/462WP
ELECTRICAL				
Input Voltage	12V DC		Dual (12V DC/ 24V AC), Built-In ground fault isolation transformer	
Power Consumption	Max. 3.5W			
VIDEO				
Imaging Device	1/3" Super HAD CCD			
Total Pixels	811(H) x 508(V)	795(H) x 596(V)	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace			
Synchronization	Internal		Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz	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 : 0.15Lux (50 IRE@F1.2), 0.0006Lux (Sens-up, 256X) B/W : 0.01Lux (50 IRE@F1.2)			
S / N (Y signal)	52dB			
Video Output	CVBS : 1.0Vp-p / 75Ω			
LENS				
Zoom Ratio	3.6X (Manual)			
Focal Length	2.8 ~ 10mm (F1.2)			
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)			
Min. Object Distance	0.2m (0.66ft)			
Angular Field of View	H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele)			
Focus	Manual			
Iris Control	Auto			
PAN / TILT / ROTATE				
Pan Range	0° ~ 340°			
Tilt Range	0° ~ 146°			
Rotate Range	0° ~ 340°			
OPERATIONAL				
On Screen Display	Built-in (Multi-language support)			
Camera Title	On / Off			
Day & Night	Auto (ICR) / Color / B/W		On / Off (Electrical)	
Backlight Compensation	BLC / HLC / Off			
Motion Detection	On / Off			
Digital Image Stabilization	On / Off			
Privacy Masking	On / Off (8 Programmable zones)			
3D Noise Filter (SSNRII)	Low / Middle / High / Off			
Sens-up (Frame Integration)	Auto / Off (Selectable limit ~ 256X)			
Gain Control	Low / High / Off			
White Balance	ATW / AWC / Manual / Indoor / Outdoor			
Electronic Shutter Speed	Fixed (NTSC : 1/60, PAL : 1/50) / A.FLK			
Communication	RS-485			
Protocol	Samsung Techwin, Pelco-D			
Flip	On / Off			
Mirror	On / Off			
Freeze	On / Off			
ENVIRONMENTAL				
Operating Temperature / Humidity	-10°C ~ +50°C / 20% ~ 80% RH			
Storage Temperature / Humidity	-20°C ~ +60°C / 20% ~ 95% RH			
MECHANICAL				
Dimension (WxH)	Ø141.2 x 105.5mm (Ø5.56" x 4.15")			
Weight	560g (1.23 lb)		545g (1.2 lb)	
Color	Silver (SID-460/462), Ivory (SID-460W/462W)			
Certifications	FCC (Class A)	CE (Class A)	FCC (Class A)	CE (Class A)

* The SID-462 has a built-in ground fault isolation transformer.

Dimensions

Unit : mm (inch)

Ø141.2 (Ø5.56")

105.5 (4.15")

108 (4.25")

Accessory (Option)

OSD Controller
SCC-101

Design and specifications are subject to change without notice.

WIV

Redefining Performance for Video Security

Newly Enhanced
Varifocal Lens

High Resolution Day & Night Dome Camera

SID-460/460W/462/462W

imagine Clear Vision Day & Night

The Samsung Techwin SID-460/460W/462/462W are redefining what you should expect for features and performance in a fixed mini-dome camera. Using our 4th generation W-IV Digital Signal Processing, the SID-460/460W/462/462W are able to produce an unparalleled color resolution of 580TV lines. In addition, this new DSP provides the industry's most comprehensive set of performance enhancing features such as digital image stabilization, 3D noise filtering, and many other features not found in any other camera in any class.

SAMSUNG TECHWIN

■ DISTRIBUTED BY

I.D-0903

World's First **580TV Lines** Color Dome Camera

Industry Leading **SSNRII** Noise Reduction

True Day & Night High Performance in Low Light

SAMSUNG

DIS

Smart MD

Multi language OSD

256X Sens-up

0.15Lux

ICR D&N

580TVL

HLC

SSNRII

SAMSUNG TECHWIN
KOREA
W-4   0751
SSNR2-2K7V1
5CD-8CCM
NQP88SA2

WIV
Digital Signal Processing

The SID-460/460W/462/462W are built around Samsung Techwin's 4th generation of digital signal processing. This unique DSP provides features such as advanced 3D noise filtering and digital image stabilization which work together to reduce storage requirements by as much as 70% over conventional cameras. In addition, the W-IV DSP also provides advanced features such as Day & Night cut filter removal and frame integration to enhance low light performance along with features such as motion detection, privacy masking, and image flip. These features are all programmable via on-screen menus that can be remotely set up from the remote control center.

High Resolution

580TVL

High quality color images of 580TV lines

The SID-460/460W/462/462W delivers high quality 580TV lines images utilizing a unique image processing technology found only in Samsung Techwin's 4th generation DSP.

Conventional Camera   SID-460/460W/462/462W

High Sensitivity

0.15Lux

True Day & Night IR Cut filter Removal provides for exceptional picture quality even in low light.

The SID-460/460W utilizes true ICR Day & Night control combined with its industry-leading SSNRII noise reduction to enhance performance in low lighting conditions. With a minimum illumination specification of 0.15Lux for color and 0.0006Lux in color sens-up mode, the SID-460/460W/462/462W can deliver outstanding images around the clock in challenging lighting conditions.

Conventional Camera   SID-460/460W

Redefining what you expect from a compact dome **SID-460/460W/462/462W**

Easy To Install

3-Axis
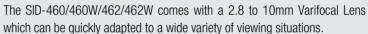
3D Pan/Tilt adjustment

The SID-460/460W/462/462W lens can be rotated or shifted horizontally or vertically so you can position the camera to get the pictures you need. As a result, the unit can be easily mounted to walls or sloping surfaces. The viewing angle of the camera is easy to adjust even after installation.

Ceiling   Wall   Slope

3.6X V/F Lens

Built-in 3.6X Auto Iris **Varifocal Lens**   *Newly Enhanced*

The SID-460/460W/462/462W comes with a 2.8 to 10mm Varifocal Lens which can be quickly adapted to a wide variety of viewing situations.

3.6X   Normal

Easy To Configure

OSD

On Screen Menus with remote setup

The SID-460/460W/462/462W advanced features can be easily optimized with the use of the on-screen display menus that are available in six different languages. These menus can be accessed locally at the camera via pushbuttons, remotely from an optional cost effective controller, or from the remote control center via RS-485.

SCC-101
OSD Controller

Smart Extra Functions

DIS Digital Image Stabilizer

Digital Image Stabilization **DIS**

The built-in DIS (Digital Image Stabilization) of the SID-460/460W/462/462W 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

Motion Detection

Programmable **Motion Detection** & **Privacy masking**

The SID-460/460W/462/462W comes with a programmable 8-zone motion detector built in. This motion detector uses an advanced digital processing motion algorithm to discriminate against unwanted alarms. It also has the ability to mask up to 8 areas of the picture where viewing is not desired. Each zone can be independently programmed via the OSD.

Motion Detection

HLC

Highlight Compensation **HLC**

The SID-460/460W/462/462W has the ability to reverse bright points of light in the picture (such as headlights) to black. This improves the ability of the entire system to display shades of grey elsewhere in the picture.

HLC Off   HLC On