High Resolution Day & Night Camera
SDC-425

Specifications

Mode	SDC-425N	SDC-425ND	SDC-425P	SDC-425PD	SDC-425PH
Power Source	24V AC / 12V DC (±10%)	12V DC (±10%)	24V AC / 12V DC (±10%)	12V DC (±10%)	230V AC (±10%)
Power Consumption	Max. 2.5W	Max. 3.5W	Max. 2.5W	Max. 3.5W	Max. 4.0W
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 525 Lines / 60 Fields / 30 Frames		2 : 1 Interlace 625 Lines / 50 Fields / 25 Frames		
Synchronization	Internal / Line lock	Internal	Internal / Line lock	Internal	Internal / Line lock
Scanning Frequency	Horizontal : 15,734KHz / Vertical : 59.94Hz		Horizontal : 15,625KHz / Vertical : 50Hz		
Horizontal Resolution	580TV lines (Min.)				
Video Output	1.0Vp-p / 75Ω (Video 0.714Vp-p, Sync 0.286Vp-p)		1.0Vp-p / 75Ω (Video 0.7Vp-p, Sync 0.3Vp-p)		
Digital Zoom	On / Off selectable (2X ~ 10X)				
S / N Ratio (Y signal)	52dB (AGC off, Weight on)				
Min. Illumination	0.05Lux@F1.2 (Normal color mode, 50 IRE) 0.0002Lux@F1.2 (Sens-up mode, 50 IRE)				
Back Light Compensation	BLC / HLC / Off				
Day & Night	Color / Auto / B/W				
Gain Control	Low / High / Off				
White Balance	ATW / AWC / Manual (1,800°K ~ 10,500°K)				
Electronic Shutter Speed	Auto / Manual (1/60 ~ 1/120,000) / Flickerless		Auto / Manual (1/50 ~ 1/120,000) / Flickerless		
Sens-up (Frame Integration)	On / Off (Selectable limit ~ 256X)				
OSD	Multi-language support (English, Japanese, Spanish, Korean)		Multi-language support (English, French, German, Spanish, Italian, Chinese)		
SSNR	On / Off selectable (1 ~ 32 Level)				
Motion Detection	On / Off selectable (8 Programmable zones)				
Privacy Masking	On / Off selectable (8 Programmable zones)				
Mirror / Flip	Horizontal or Vertical selectable				
Sharpness	On / Off selectable (Level adjustable)				
Digital Image Stabilizer (DIS)	On / Off				
Iris Control	DC / Video				
Lens Mount	C / CS-mount (Easy focus type)				
Operating Temperature	-10°C ~ +50°C				
Operating Humidity	20% ~ 90% RH				
Dimensions	58(W) x 52(H) x 121(D)mm / 2.28"(W) x 2.05"(H) x 4.76"(D)				
Weight	310g (0.68 lb)	290g (0.64 lb)	310g (0.68 lb)	290g (0.64 lb)	510g (1.12 lb)

Dimensions

Unit : mm (inch)

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SDC-425
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SSNRII SAMSUNG SUPER NOISE REDUCTION
SAMSUNG
SDC-425
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52 (2.05")

121 (4.76")

58 (2.28")

Design and specifications are subject to change without notice.

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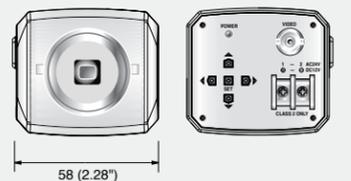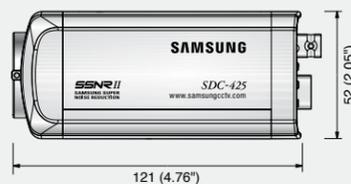
WIV

Unprecedented
580TV Lines Resolution
with 0.05Lux

High Resolution Day & Night Camera
SDC-425

imagine a Camera with
Clear Vision Day & Night

The SDC-425 is positioned as Samsung Techwin's general purpose camera. But don't let the term 'general purpose' fool you because this camera is packed with features and performance that equal or exceed most high-end system cameras in the industry today.

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580TV Lines with 0.05Lux
SDC-425

WIV
Digital Signal Processing found only on Samsung Techwin cameras

Samsung Techwin's 4th generation DSP is the engine that brings out the performance of this camera. The SSNRII noise reduction technology is the industry's only 3D noise filtering system. This enables the SDC-425 to have an industry-leading S/N specification of 52dB, which is a key to achieving superior low light performance as well as DVR recording efficiency.

Smart MD · Multi Language OSD · 256X Sens-up · D&N · DIS · SAMSUNG TECHWIN KOREA W-4 0751 SSNR2-2K7V1 SCD-BCCM NOP8BSA2 · 580TVL · 0.05Lux · SSNRII · HLC

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The SDC-425 is the next generation of Samsung Techwin's popular SDC-415. Based upon the 4th generation of digital signal processing technology, the SDC-425 has the industry's highest resolution specification for a standard definition format camera. In addition to superior resolution the WIV DSP provides for a rich set of advanced features and performance specifications that are normally found only on more expensive system cameras.
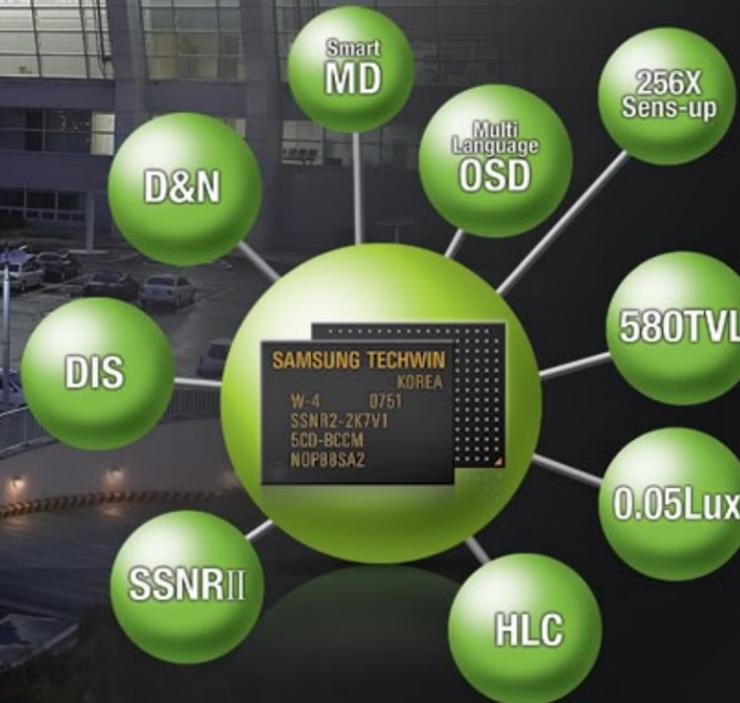
High Resolution

High quality color images of 580TV Lines

The SDC-425 delivers high quality 580TV Lines images utilizing a unique image processing technology found only in Samsung Techwin's 4th generation DSP.

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Low Noise-High Sensitivity

The new 3D noise filter SSNRII results in a minimum illumination of 0.05Lux

Managing noise is the key to achieving great results in low light. The advanced 3D noise filtering system in the SDC-425 allows it to provide good color in much lower lighting levels. Reducing noise in the picture also reduces the amount of storage space required to record the video on a DVR.

Conventional Camera · SDC-425

Highlight Compensation

Highlight Compensation HLC

The SDC-425 is equipped with HLC (Highlight Compensation) which reverses bright spots in the picture (such as headlights). This enables the entire system to do a better job of resolving and displaying grayscale information such as a license plate.

HLC Off · HLC On

Smart Extra Functions

Digital Image Stabilizer DIS

The built-in DIS (Digital Image Stabilizer) of the SDC-425 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. Depending upon the amount of shake, DIS can reduce storage requirements by as much as half even in cameras with no apparent image jitter.

DIS Off · DIS On

Convenient Multi-language OSD

The SDC-425's multi-language On Screen Display improves user convenience and enables easy access to various camera functions.
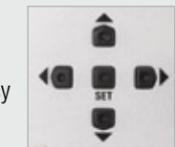
Programmable Motion detection & Privacy masking

The SDC-425 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 · Privacy Masking

Wide range White balance processing

The WIV DSP utilizes advanced digital processing to achieve white balance in a much wider range of color temperatures 1,800°K to 10,500°K.

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