

High Resolution Day & Night Camera

# SDC-435



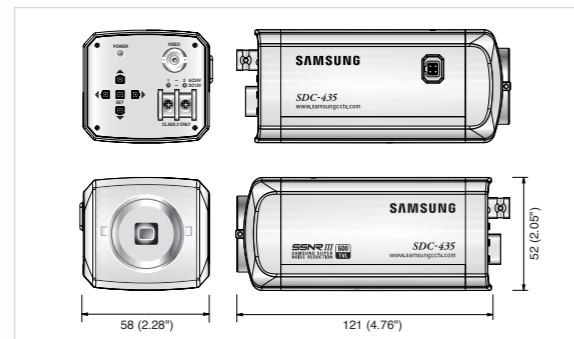
## Specifications

	SDC-435N	SDC-435ND	SDC-435P	SDC-435PD	SDC-435PH
<b>ELECTRICAL</b>					
Input Voltage	Dual (12V DC / 24V AC)	12V DC	Dual (12V DC / 24V AC)	12V DC	230V AC, 50Hz
Power Consumption	Max. 3.5W	Max. 2.5W	Max. 3.5W	Max. 2.5W	Max. 4.0W
<b>VIDEO</b>					
Imaging Device	1/3" Super HAD CCD				
Total Pixels	811(H) x 508(V)		795(H) x 596(V)		
Effective Pixels	678(H) x 494(V)		752(H) x 582(V)		
Scanning System	2 : 1 Interlace				
Synchronization	Internal / Line lock	Internal	Internal / Line lock	Internal	Internal / Line lock
Frequency	H : 15.734KHz / V : 59.94Hz		H : 15.625KHz / V : 50Hz		
Horizontal Resolution	600TV lines (Min.)				
Min. Illumination	Color : 0.05Lux (50 IRE@F1.2), 0.0001Lux (Sens-up, 512X)				
S / N (Y signal)	52dB (AGC off, Weight on)				
Video Output	CVBS : 1.0 Vp-p / 75 composite				
<b>OPERATIONAL</b>					
On Screen Display	Korea, English, Japan, Spanish, French, Portuguese		English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech		
Camera Title	Off / On (Displayed 15 characters)				
Day & Night	Color / B/W / Auto (Electrical)				
SSDR	On / Off (Level adjustable)				
Backlight Compensation	BLC / HLC / Off				
Motion Detection	On / Off (8 programmable zones)				
Digital Image Stabilization	On / Off				
Privacy Masking	On / Off (12 Programmable zones)				
2D+3D Noise Filter (SSNRIII)	On / Off				
Sens-up (Frame Integration)	Auto / Off (Selectable 2X ~ 512X)				
Gain Control	Low / High / Off				
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1700K° ~ 11000K°)				
Electronic Shutter Speed	1/60 ~ 1/120,000sec		1/50 ~ 1/120,000		
Digital Zoom	On / Off (1X ~ 16X)				
Sharpness	On / Off (Level adjustable)				
Flip / Mirror	On / Off				
Freeze	On / Off				
Communication	Coaxial (Protocol : Pelco Coaxitron)				
<b>ENVIRONMENTAL</b>					
Operating Temperature / Humidity	-10°C ~ +50°C / 30% ~ 80% RH				
Storage Temperature / Humidity	-20°C ~ +60°C / 20% ~ 90% RH				
<b>MECHANICAL</b>					
Dimension (WxHxD)	58 x 52 x 121mm (2.28" x 2.05" x 4.76")				
Weight	310g (0.68 lb)	290g (0.64 lb)	310g (0.68 lb)	290g (0.64 lb)	510g (1.12 lb)
Lens Mount	C / CS				
Certifications	FCC (Class A), UL/cUL listed		FCC (Class A) CE (Class A)		

## Dimensions

Unit : mm (inch)

## Rear Panel



Design and specifications are subject to change without notice.

DISTRIBUTED BY



SAMSUNG TECHWIN



Breakthrough Clarity!  
High Resolution  
600TV lines

# SDC-435

High Resolution Day & Night Camera

- Crystal Clear Color Images at 600TV lines Resolution
- Ultra Low Light Level of 0.05Lux
- 2D/3D Filtering Noise Reduction Technology SSNRIII
- HLC (Highlight Compensation) Backlight Compensation Technology
- SSDR (Samsung Super Dynamic Range)
- DIS (Digital Image Stabilization) Technology, COAX Control



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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I.E-0906



# 600TV Lines! Keep Sharp in the Dark!



## High Resolution Day & Night Camera SDC-435

Equipped with W-V, our latest proprietary DSP W chipset series, the SDC-435 achieves superb quality color images at 600TV lines resolution. With ultra low light levels of 0.05Lux and enhanced noise reduction technology, it enables noise-free, clear image monitoring day and night.



### High Resolution

### Superb Color Image Quality at 600TV Lines Resolution!

The SDC-435 is equipped with our latest proprietary W-V DSP chipset that has been applauded in the video security market for its excellent stability and performance. Powered by advanced chipsets, this camera achieves greater stability and articulated image processing that enables superb color images at an enhanced 600TV lines resolution.



### Low Light

### Ultra Low Light Levels of 0.05Lux!

Equipped with a maximum 512X Sens-up capacity and ultra low light levels of 0.05Lux, the SDC-435 achieves excellent performance in processing images especially in very low light conditions.



### SSDR (Samsung Super Dynamic Range)

Featuring SSDR (Samsung Super Dynamic Range), the SDC-435 automatically increases dark photoelectric signals while retaining bright signals; dark spots in images become more visible for accurate monitoring.



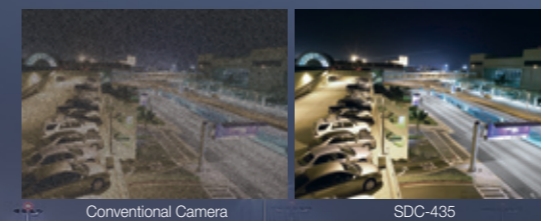
### HLC (Highlight Compensation)

The SDC-435 features HLC (Highlight Compensation) technology that effectively blocks strong light sources such as headlights. It provides optimum performance in recognizing vehicular license plates and objects at night.



### 2D/3D Noise Reduction Technology SSNRIII

The SDC-435 features SSNRIII noise reduction technology with 2D/3D filters, an upgraded version of SSNRII, to achieve a S/N ratio of 52dB for noise-free graphics



### DIS (Digital Image Stabilization) Technology, COAX Control

With DIS (Digital Image Stabilization), the SDC-435 effectively minimizes and prevents image blurring caused by camera shaking. Coaxial control enables data control.



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