

# 43x Zoom, Extended image capture



43x Zoom High Resolution WDR PTZ Dome Camera

## SCP-3430H/3430 SCP-2430H/2430

SCP-3430H/3430/2430H/2430 PTZ dome cameras are able to capture quality images over expansive areas thanks to the inclusion of a 43x optical zoom.

Embedded with Samsung Techwin's A1 chipset, these cameras offer clear and vivid images with 600TV lines color resolution and are able to perform perfectly at low light levels down to 0.7Lux/0.2Lux. SCP-3430H/2430H versions are pre-fitted into a housing for extra convenience.

- Powerful 43x optical zoom (3.2 ~ 138.5mm)
- High resolution of 600TV lines (Color)
- Min. illumination of 0.7Lux (SCP-3430H/3430)  
0.2Lux (SCP-2430H/2430)
- VPS (SCP-3430H/3430), coaxial control support
- Intelligent video analytics (Moved/Fixed)
- WDR backlight compensation (SCP-3430H/3430)

# 43x Zoom High Resolution WDR PTZ Dome Camera

# SCP-3430H/3430/2430H/2430



SCP-3430H//2430H

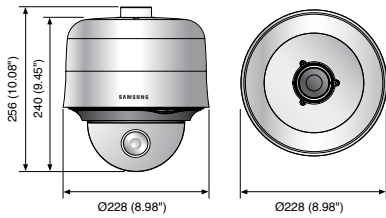
SCP-3430//2430

## Specifications

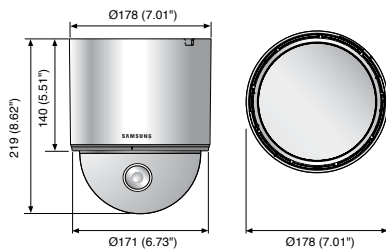
	SCP-3430HN/3430N/2430HN/2430N	SCP-3430HP/3430P/2430HP/2430P
<b>ELECTRICAL</b>		
Input Voltage	24V AC	
Power Consumption	SCP-3430H/2430H : Max. 16W / 47W (with fan/Heater), SCP-3430/2430 : Max. 11W	
<b>VIDEO</b>		
Imaging Device	SCP-3430H/3430 : 1/4" Ex-view HAD PS CCD, SCP-2430H/2430 : 1/4" Super HAD 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 / Progressive	
Synchronization	Internal / Line lock	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 600TV lines (Min.) / B/W : 700TV lines (Min.)	
Min. Illumination	Color : SCP-3430H/3430 : 0.7Lux (50IRE@F1.65), 0.001Lux (Sens-up, 512x) SCP-2430H/2430 : 0.2Lux (50IRE@F1.65), 0.0004Lux (Sens-up, 512x) B/W : SCP-3430H/3430 : 0.07Lux (50IRE@F1.65), SCP-2430H/2430 : 0.02Lux (50IRE@F1.65)	
S / N (Y signal)	52dB	
Video Output	VBS : 1.0 Vp-p / 75Ω composite	
<b>LENS</b>		
Zoom Ratio	43x (Optical), 16x (Digital)	
Focal Length	3.2 ~ 138.5mm (F1.65 ~ 3.7)	
Max. Aperture Ratio	1 : 1.65(Wide) ~ 3.7(Tele)	
Min. Object Distance	100cm (3.28ft)	
Angular Field of View	H : 61.22°(Wide) ~ 1.47°(Tele) / V : 47.16°(Wide) ~ 1.1°(Tele)	
Focus	Auto / Manual / One AF	
<b>PAN / TILT</b>		
Pan Range	360° Endless	
Pan Speed	Preset : 600°/sec / Manual : 0.01°/sec ~ 180°/sec (Proportional zoom ratio)	
Tilt Range	-6° ~ 186°	
Tilt Speed	Preset : 600°/sec / Manual : 0.01°/sec ~ 180°/sec (Proportional zoom ratio)	
Preset Positions	512	
<b>OPERATIONAL</b>		
On Screen Display	English, Japanese, Spanish, French, Portuguese, Korean	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Turkish, Portuguese
Camera Title	On / Off (Max. 54ea / 2 lines)	
Day & Night	Auto (ICR) / Extern / Color / B/W	
Motion Detection	Sensitivity 1 ~ 7 level	
Wide Dynamic Range	SCP-3430H/3430 : 128x	SCP-3430H/3430 : 160x
Backlight Compensation	BLC (On/Off) / WDR (SCP-3430H/3430)	
eXtended Dynamic Range	Low / Medium / High / Off	
Digital Image Stabilization	On / Off	
Privacy Masking	On / Off (12 polygonal programmable zones)	
2D+3D Noise Filter (A1)	Off / Very low / Low / Medium / High / Very high / User / Fix	
Sens-up (Frame Integration)	On / Off (Selectable limit ~ 512x)	
White Balance	ATW1 / ATW2 / AWC (Manual) / 3200°K / 5600°K	
Electronic Shutter Speed	1/100 ~ 1/10,000sec	
Digital Zoom	On / Off (2x ~ 16x)	
AGC	On / Off (Very Low / Low / Medium / High / Very High / User / Fix)	
PIP	On / Off	
Schedule	Day / Time schedule	
Communication	RS-485/422, Coaxial control	
Protocol	Samsung-T, Samsung-E, Pelco-D, Pelco-P, Bosch, Honeywell, Vicon, Panasonic, GE, AD	
Alarm	8 In, 3 Out (2 Open collector, 1 Relay)	
<b>ENVIRONMENTAL</b>		
Operating Temperature / Humidity	SCP-3430H/2430H : -50°C ~ +50°C (-58°F ~ +122°F) / Less than 90% RH SCP-3430/2430 : -10°C ~ +50°C (+14°F ~ +122°F) / Less than 90% RH	
<b>MECHANICAL</b>		
Dimension (WxHxD)	SCP-3430H/2430H : Ø228 x 256mm (Ø8.98" x 10.08"), SCP-3430/2430 : Ø178 x 219mm (Ø7.01" x 8.62")	
Weight	SCP-3430H/2430H : 3Kg (6.61 lb), SCP-3430/2430 : 2Kg (4.41 lb)	
Ingress Protection	SCP-3430H/2430H : IP66	SCP-3430H/2430H : IP66
Certifications	FCC (Class A), UL/cUL listed	CE (Class A)

## Dimensions

Unit : mm (inch)



SCP-3430H//2430H



SCP-3430//2430



The Eco mark represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

Design and specifications are subject to change without notice.



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