

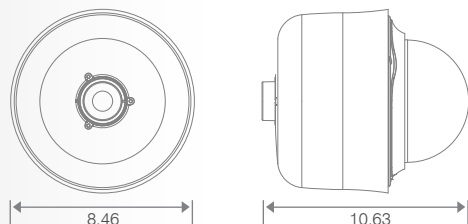
# SCC-C7455

AI™ Chip Technology, 43x Optical Zoom,  
600 TV Lines, WDR, True Day/Night,  
SmartDome™ PTZ Outdoor Camera



## Dimensions (unit : in)

Front/Rear Panel



## Summary

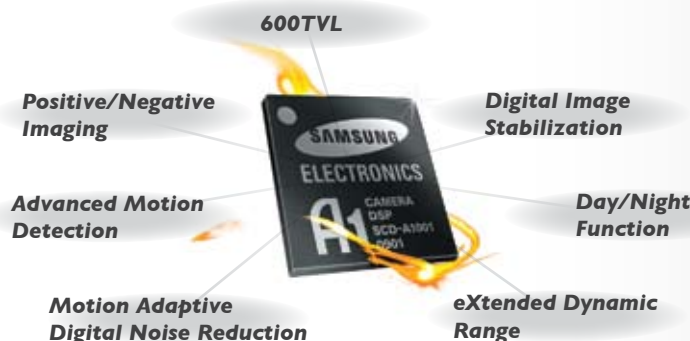
The SCC-C7455 is one of the advanced outdoor PTZ cameras from this line featuring the industry high 43x Optical Zoom (up to 688x with Digital Zoom), 600TV Lines of Resolution, Wide Dynamic Range Function, Extended Dynamic Range function, Adaptive Digital Noise Reduction and Multi Language On Screen Display. Lowest energy consumption, and easy installation let the user save money. With pan and tilt movements enabled simultaneously, camera movements are performed at up to 600°/sec.

## Features

- 1/4" SONY 410K/470K Pixels Ex-View HAD PS CCD
- 43x(f=3.2~138.5mm) Optical & 16x(0.1step) Digital Zoom
- High Resolution : 600 TV Lines
- Min. illumination :
  - 0.0007 Lux (F1.2, 15 IRE, Sense-up x512, Color)
  - 0.00007 Lux (F1.2, 15 IRE, Sense-up x512, B/W)
- 0~360° Endless Pan, 0~180° Tilting (D-Flip)
- Pan/Tilt Speed Min. 0.01°/sec, Max. 600°/sec
- Preset 512 ea, Auto Pan 4 ea, Pattern 3 ea
- Wide Dynamic Range (NTSC 128x, PAL 160x)
- eXtended Dynamic Range (XDR)
- Virtual Progressive Scan (VPS)
- Day Night Function (True), Sense-up Function (x512)
- Adaptive Digital Noise Reduction (3D + 2D)
- Back Light Compensation (Area Setting)
- Advanced Motion Detection Function
- Privacy Mask Function (12ea)
- DIS (Digital Image Stabilization)
- Time & Day Scheduling
- CCVC (Camera Control Via Coaxial, Controller : SCX-RD100)
- RS-485 (Half/Full)/RS-422 Control (Multi-Protocol support)
- Multi-Language OSD (E,F,G,S,I,J,R,P,C, etc) support
- Intelligent Video (Moved/Fixed/Fence/Tracking)
- Alarm Input 8 ea, Output 4 ea
- Operating Temp. : -58 ~ 122°F (-50 ~ 50°C)
- IP66

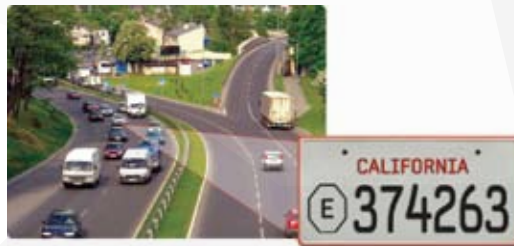
## AI™ Chip Technology

AI™ Chip Technology provides advanced image processing, 600TVL image quality, Virtual Progressive Scan, Day/Night, XDR, and Built-in Analytics (on select models). This technology helps create a cost effective bridge between analog and IP systems.



## 43X Optical Zoom

The SCC-C7455 camera uses an industry high 43X Optical Zoom, along with a 16X digital zoom, for up to 688X zooming capability. The SCC-C7455 can also zoom in the full 43X in 3 seconds, allowing the user to view the scene with very little time delay.



## eXtended Dynamic Range (XDR)

Detail is often lost in darker or strong backlit areas. Challenges in heavily shadowed walkways and outdoor parking areas can be eliminated by XDR.



XDR On



XDR Off

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## Specifications

Camera Type	Color/BW		Color
Image	Device		1/4" Super-HAD IT CCD
	Pixels	Effective	NTSC: 768 x 494 PAL: 752 x 582
Resolution	Horizontal		600 (Color) TV lines
Min. Scene Illumination	Sens-Up Off	50 IRE	Color: 1.2Lux B/W: 0.12Lux
		30 IRE	Color: 0.7Lux B/W: 0.07Lux
		15 IRE	Color: 0.3Lux B/W: 0.03Lux
	Sens-Up	50 IRE	Color: 0.002Lux B/W: 0.0002Lux
		30 IRE	Color: 0.001Lux B/W: 0.0001Lux
		15 IRE	Color: 0.0007Lux B/W: 0.00007Lux
	Speed	Manual Pan (°/sec.)	0.01~180
		Preset Pan (°/sec.)	600
		Manual Tilt (°/sec.)	0.01~180
		Preset Tilt (°/sec.)	600
Pan/Tilt	Range	Panning (°)	0~360 (Endless)
		Tilting (°)	-6~186
	Number of Auto PAN		4 ea
	Number of Presets		512 ea
	Number of Pattern		3 ea
	Number of Privacy Zone		12 ea
	Day/Night		Auto/Day/Night (ICR)
	Motion Detection		Yes, Sensitivity 1~7 Level
	Wide Dynamic Range		Yes (NTSC: 128x, PAL: 160x)
Functions	D-Zoom		Yes (~16x)
	High Speed Shutter		1/100 ~ 1/10K sec
	Sens Up		Yes (2x ~ 512x)
	BLC		Off/On
	AGC		Off/On (Very Low/ Low / Mid / High / Very High / User / Fix)
	Auto Focus		Manual / Auto (pan, tilt, zoom linked) / one AF
	Synchronization		Internal / Line lock
	Camera ID		Max 54 Character, 2 Line
	VPS (Virtual Progressive Scan)		Yes
	XDR (eXtended Dynamic Range)		Off/On (Low/Middle/High)
	DNR (Digital Noise Reduction)		Off/On (Low/Middle/High/ User (3D/2D))
	Schedule		Day/Time Schedule
	White Balance		ATW1/ATW2/AWC (Manual)/ 3200 / 5600
	Video Output		VBS 1.0Vp-p
	S/N Ratio		52dB
	Lens	Focal Length (mm)	3.2~138.5
		Min. Object Distance	1000mm
		Zoom Ratio	43x Optical (688x with 16x Digital Zoom)
		Aperture Ratio	F1.65(W) / F3.7(T)
		Viewing Angle	Tele (°) 1.47°(H) x 1.10°(V) Wide (°) 61.22°(H) x 47.16°(V)
		Lens Drive Type	DC Auto Iris
		Mount Type	Board-in Type
OSD	OSD		Yes

Alarm	Input	8 ea
	Output	3 ea (2 open collector, 1 relay)
Environmental Conditions	Operating Temperature	-58° ~ 122°F (-50° ~ +50°C)
	Operating Humidity (%)	Less than 90%
Power	Power Requirement	24 VAC
	Power Consumption	47W (w/ Heater/Blower)
	LED Indicator	Yes
Physical Specification	Dimensions (WxHxD)	8.46 x 10.63 in (215 x 270 mm)
	Weight	6.61 lbs (3.0kg)
	Color	Light Grey

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## Mounts Diagram

