

SCC-C6453/C6455/C7453/C7455 SCC-C4253/C4255/C4353/C4355

43x Optical Zoom High SmartDome Camera / 43x Optical Zoom Lens Camera

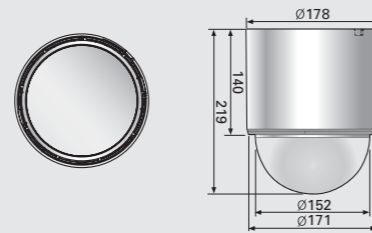
I Features

SCC-C6453 / C6455 / C7453 / C7455

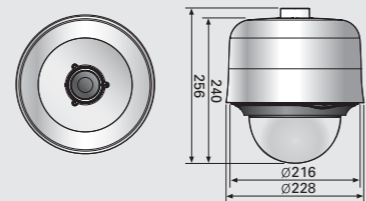
- 1/4" SONY 410K/470K Pixels Ex-View HAD PS CCD
- 43x(f=3.2~138.5mm) Optical & 16x(0.1step) Digital Zoom
- High Resolution : 600 TV Lines
- Min. illumination 0.0007 Lux (F1.2, 15 IRE, Sens-up 512x, Color)
0.00007 Lux (F1.2, 15 IRE, Sens-up 512x, B/W)
- 0~360° Endless Pan, -6~186° Tilting (D-Flip)
- Pan/Tilt 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) : SCC-C6455/C7455
- Virtual Progressive Scan (VPS) : SCC-C6455/C7455
- Day Night Function (True), Sens-up Function (512x)
- Motion Adaptive Digital Noise Reduction (3D + 2D)
- Back Light Compensation (Area Setting)
- Advanced Motion Detection Function
- eXtended Dynamic Range (XDR)
- Privacy Mask Function (12ea)
- DIS (Digital Image Stabilization)
- Time & Day Scheduling
- CCVC (Camera Control Via Coaxial cable, 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 3ea
- Operating Temp. : SCC-C6453 / C6455 (-10 ~ 50°C)
SCC-C7453 / C7455 (-50 ~ 50°C)

I Dimensions (mm)

SCC-C6453 / C6455



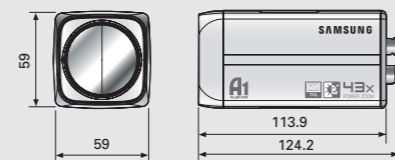
SCC-C7453 / C7455



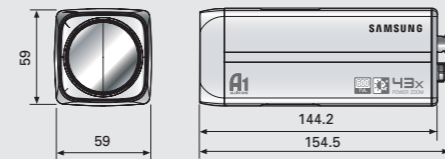
SCC-C4253 / C4255 / C4353 / C4355

- SCC-C4253/C4353 : 1/4" Super HAD IT CCD
- SCC-C4255/C4355 : 1/4" Ex-View HAD PS CCD
- 43x(f=3.2~137.6mm) Optical & 16x(0.1step) Digital Zoom
- High Resolution : 600 TV Lines
- Min. illumination 0.0007 Lux (F1.2, 15 IRE, Sens-up 512x, Color)
0.00007 Lux (F1.2, 15 IRE, Sens-up 512x, B/W)
- Wide Dynamic Range (NTSC 128x, PAL 160x) : SCC-C4255/C4355
- Virtual Progressive Scan (VPS) : SCC-C4255/C4355
- Day Night Function (True), Sens-up Function (512x)
- Motion Adaptive Digital Noise Reduction (3D + 2D)
- Back Light Compensation (Area Setting)
- Advanced Motion Detection Function
- eXtended Dynamic Range (XDR)
- Privacy Mask Function (12 ea)
- DIS (Digital Image Stabilization)
- CCVC (Camera Control Via Coaxial cable, Controller: SCX-RD100)
- RS-485 (Half) Control (Multi-Protocol support)
- Multi-Language OSD (E, F, G, S, I, J, R, P, C, etc) support
- Intelligent Video (Moved / Fixed / Fence / Tracking)
- Preset 512ea, Alarm Output 1ea
- SCC-C4253 / C4255 : DC12V
- SCC-C4353 / C4355 : AC24V/DC12V

SCC-C4253 / C4255



SCC-C4353 / C4355



43x ZOOM CAMERA

SCC-C6453/C6455/C7453/C7455
SCC-C4253/C4255/C4353/C4355

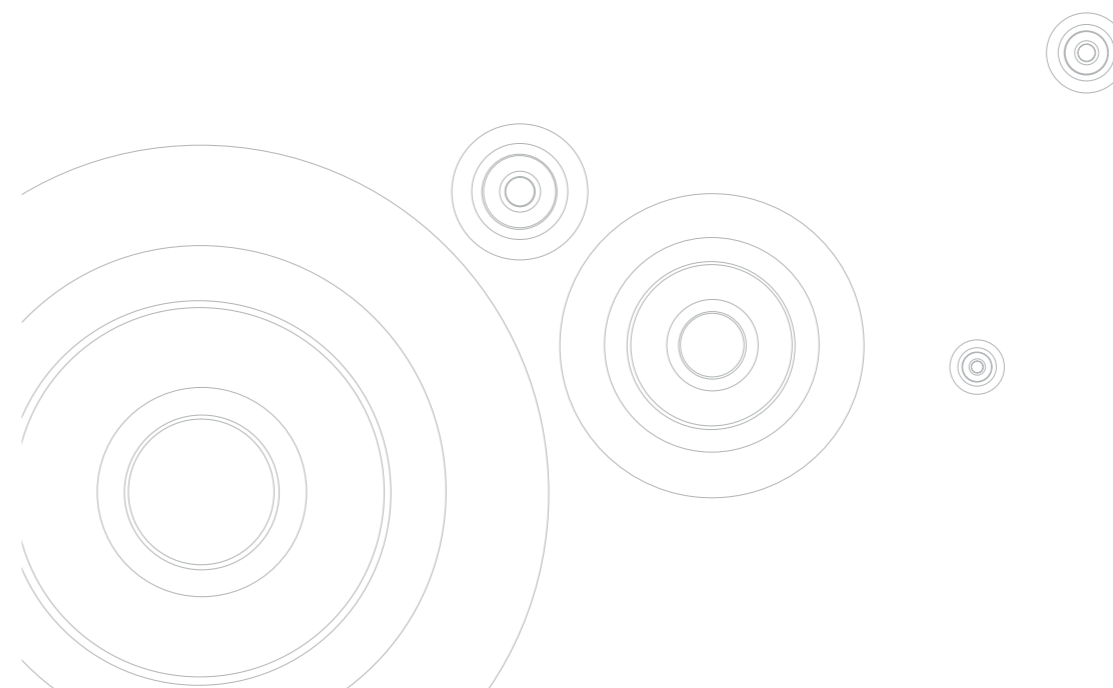


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* Design and specifications are subject to change without notice

Distributed by





How far can you see?

43x ^{Zooming}

43x Power Zoom

SCC-06455/C7455/C4255/C4355

43x Zoom



32x Zoom

Conventional



12x Zoom

Conventional



43x Optical Power Zoom Camera

Samsung Electronics' 43x cameras enable to see the objects from a long distance. Also users can catch more detailed images than with any other cameras.

3 Seconds Zoom Speed



Only 3 seconds can zoom-in 43x. This fast zoom-in speed enable users to get to the scene where the event is happening without delay of time.

How fast can you catch?

600°/sec

Preset Pan/Tilt

Move
with a lightning speed

Preset 1



Preset 2

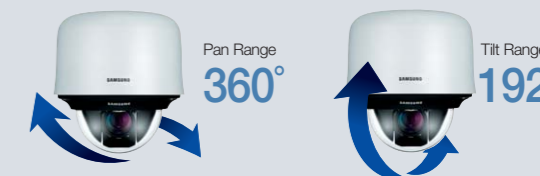


SCC-C6453/C6455/C7453/C7455

Preset Pan/Tilt 600°/sec Camera

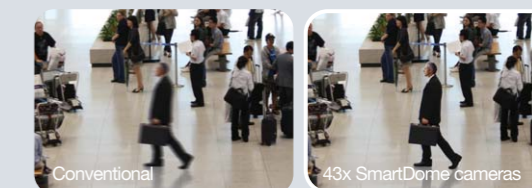
Once user set the preset point, 43x speed dome cameras get to the point with lightning speed and will catch the scene that user want.

! Pan/Tilt Moving Simultaneously



Pan Range 360° : Camera Support 360° Endless Pan Function
Tilt Range 192° : Camera Support -6°~186° Tilt Function

! Low Speed Down to 0.01°/sec



Pan/Tilt speed can be lowered to 0.01/sec, showing no blur in the scene during the movement.

A1

ALL IN ONE

Built on the principles of functionality

The Samsung Electronics extensive knowledge of CCTV camera requirements has resulted in the development of the new A1 camera series, delivering unrivalled performance and benefits.

I Low Electricity Consumption



Samsung Electronics' 43x SmartDome cameras provide the lowest power consumption of 47W. Users can save cost and also take a part of eco-environment activities to reduce the waste of energy.



I Super High Resolution of 600 TV Lines



Conventional



600 TV Lines

A1 technology is able to resolve a horizontal resolution of 600 TV lines, by means of 12 Bit A/D serial signal processing coupled with image element enhancement technology. Additionally, it provides a more vivid and clearer image preventing noise under low illumination applications.

I 100cm Close-up



The shorter distance between the camera and the objects can result an unfocused image. 43x SmartDome camera resolved this problem and provide 100cm of MOD (Minimum Object Distance)

I Operation in high/low temperature (SCC-C7455)



Low temperature



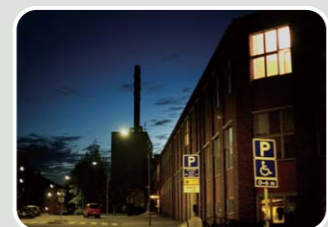
High temperature

The housing makes outside applications possible by resisting rain, dust and cold. The IP-66 compliant rating provides the highest level of weather and vandal resistance. Operating Temperature is -50°C~50°C.

I Motion Adaptive DNR (Digital Noise Reduction)



DNR OFF



DNR ON

The DNR function eliminates noise and generates a distinct and clear image under the dark environment. A1 technology utilizes both a 2D filter reducing noise of moving objects and a 3D filter reducing noise generated by background, resulting in great reduction of blur.

I XDR (eXtended Dynamic Range)



XDR OFF



XDR ON

Under strong backlight or high contrast scenes, detail is often lost in the darker areas of the scene. A1 cameras provide XDR technology to increase the level of visible detail in the dark areas, whilst maintaining image clarity and detail in the brighter portions of the image.

I VPS (Virtual Progressive Scan)



Interlace Transmission (Delayed edge)



VPS Transmission (Clear edge)

43x A1 cameras providing WDR, also offer VPS able to utilize either interlace or progressive scanning technology to deliver sharply defined edges of moving objects.

I Intelligent Video Content Analysis



Conventional



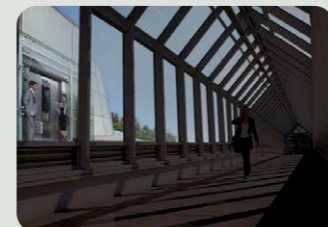
Video Content Analysis (Moved)



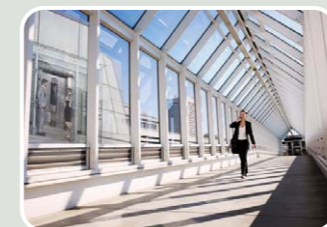
The Samsung Electronics A1 series of cameras, also provide built-in capability for video content analysis. Operational modes include:

- Fixed** Senses objects that appear and remain in a scene for longer than a pre-determined period of time.
- Moved** Detects objects removed from a scene
- Fence** Provides virtual electronic area [Area mode] and directional line [Line mode] and generates an alarm in the event of a breach of the area or a cross of the directional line
- Tracking** Tracks an object through a scene and generates an alarm in the event of abnormal directional changes.

I WDR (Wide Dynamic Range)



WDR OFF



WDR ON

A1 series of cameras achieve WDR by using Dual Shutter [Long/Short] Algorithm to operate a Dual Scan CCD. The contrast enhancer sustains the effective contrast range and expands Dynamic Range up to 128x (NTSC) and 160x (PAL).

Easy Installation!



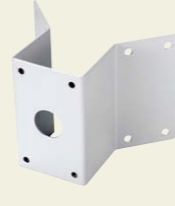
I Accessories



Wall Mount
SCX-300WM



Ceiling Mount
SCX-300CM



Corner Mount
SCX-300KM



Parapet Mount
SCX-300LM



Pole Mount
SCX-300PM



Hanging Mount
SCX-300HM



Flush Mount
SCX-DF300W

I Variable Mounting Options

Surface Mounting (In-ceiling cabling)



Flush Mounting (Indoor Application)



Wall Mounting with Pole Mount



Ceiling Mounting



Wall Mounting with Corner Mount



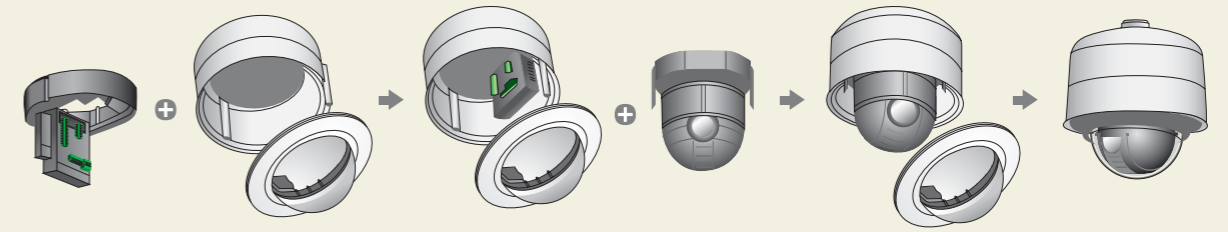
Parapet Mounting (Outdoor Application)



Wall Mounting

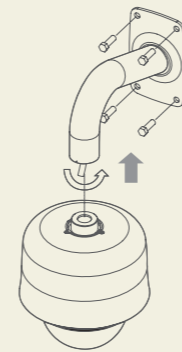


I Easy Installation

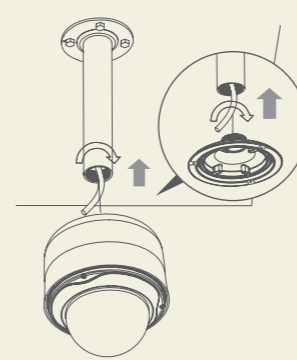


I Housing Easy Installation

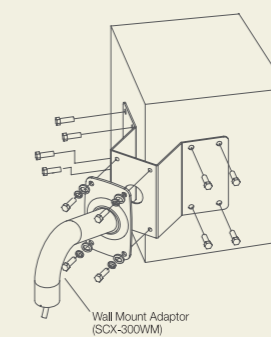
Wall Mounting



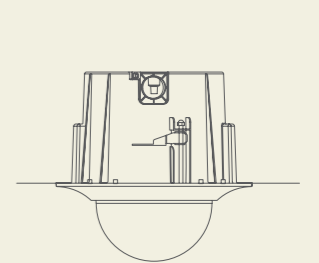
Ceiling Mounting



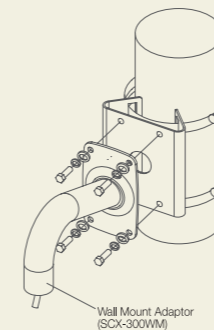
Wall Mounting with Corner Mount



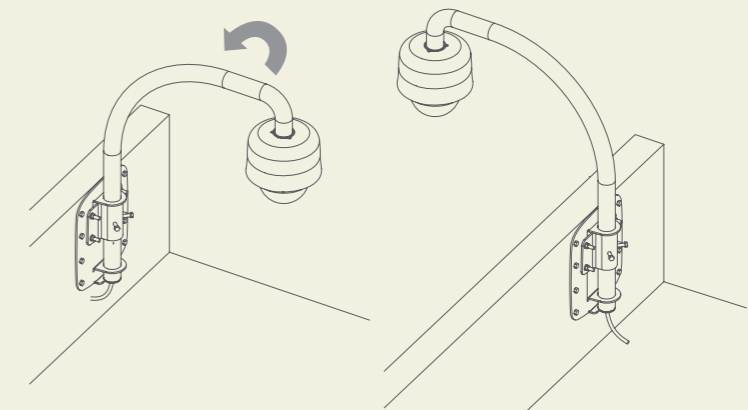
Flush Mounting



Wall Mounting with Pole Mount



Parapet Mounting



43x Optical Zoom High SmartDome Camera



I Specifications

Items	Sub-items	SCC-C6453/C7453	SCC-C6455/C7455	
Camera Type	Color/BW	Color		
Image	Device	1/4" Super HAD IT CCD	1/4" Ex-View HAD PS CCD	
	Pixels	768 X 494 (NTSC) / 752 X 582 (PAL)		
Resolution	Horizontal	600 (Color) TV Lines		
Min. Scene Illumination	Color	Sens-up Off	0.6Lux(15IRE), 1.2Lux(30IRE), 2Lux(50IRE)	
		Sens-up 512x	0.001Lux(15IRE), 0.002Lux(30IRE), 0.004Lux(50IRE)	
	B/W	Sens-up Off	0.06Lux(15IRE), 0.12Lux(30IRE), 0.2Lux(50IRE)	
		Sens-up 512x	0.0001Lux(15IRE), 0.0002Lux(30IRE), 0.0004Lux(50IRE)	
Pan/Tilt	Speed	Manual Pan	0.01"/sec ~ 180"/sec	
		Preset Pan	600"/sec	
		Manual Tilt	0.01"/sec ~ 180"/sec	
		Preset Tilt	600"/sec	
	Range	Panning	0°~360° (Endless)	
		Tilting	-6°~186°	
	Number of Auto PAN		4 ea	
	Number of Preset		512 ea	
	Number of Pattern		3 ea	
	Functions	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)		
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	VBS 1.0Vp-p	
S/N Ratio	S/N Ratio	52 dB		
Lens	Focal Length	3.2 ~ 138.5mm		
	Min. Object Distance	1000mm		
	Zoom Ratio	43x Optical (688x with 16x Digital zoom)		
	Aperature 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)		
Remote Control	Remote Control	RS485 (Half/Full Duplex) / RS422, CCVC		
Environmental Conditions	Operating Temperature	SCC-C6453/C6455 : -10°C ~ +50°C, SCC-C7453/C7455 : -50°C ~ +50°C		
	Operating Humidity	Less than 90%		
Power	Power Requirement	24 VAC		
	Power Consumption	11W(SCC-C7453/C7455 Camera with Fan/Heater : 47W)		
	LED Indicator	Yes		
Physical Specification	Dimensions (WxHxD)	SCC-C6453/C6455 : 180 X 220 mm, SCC-C7453/C7455 : 215 X 270 mm		
	Weight	SCC-C6453/C6455 : 2.0kg, SCC-C7453/C7455 : 3.0kg		
	Color	Light Gray		



43x Optical Zoom Lens Camera



I Specifications

Items	Sub-items	SCC-C4253/C4353	SCC-C4255/C4355	
Camera Type	Color/BW	Color		
Image	Device	1/4" Super HAD IT CCD	1/4" Ex-View HAD PS CCD	
	Pixels	768 X 494 (NTSC) / 752 X 582 (PAL)		
Resolution	Horizontal	600 (Color) TV Lines		
Min. Scene Illumination	Color	Sens-up Off	0.6Lux(15IRE), 1.2Lux(30IRE), 2Lux(50IRE)	
		Sens-up 512x	0.001Lux(15IRE), 0.002Lux(30IRE), 0.004Lux(50IRE)	
	B/W	Sens-up Off	0.06Lux(15IRE), 0.12Lux(30IRE), 0.2Lux(50IRE)	
		Sens-up 512x	0.0001Lux(15IRE), 0.0002Lux(30IRE), 0.0004Lux(50IRE)	
Functions	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)	
	D-Zoom		Yes (~16x)	
	High Speed Shutter		1/100 ~ 1/10K sec	
	Sens Up		Yes (2x ~ 512x)	
	PIP		Yes	
	BLC		Off / On	
	AGC		Off/On (Very Low / Low / Mid / High / Very High / User / Fix)	
	Auto Focus		Manual / Auto / one AF	
	Synchronization		SCC-C4253 / C4255 : Internal, SCC-C4353 / C4355 : 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	VBS 1.0Vp-p		
S/N Ratio	S/N Ratio	52 dB		
Lens	Focal Length	3.2 ~ 138.5mm		
	Min. Object Distance	1000mm		
	Zoom Ratio	43x Optical (688x with 16x Digital zoom)		
	Aperature 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	-		
	Output	1 ea		
Remote Control	Remote Control	RS485, CCVC		
Environmental Conditions	Operating Temperature	-10°C ~ +50°C		
	Operating Humidity	Less than 90%		
Power	Power Requirement	SCC-C4253/C4255 : DC12V, SCC-C4353/C4355 : DC12V, AC24V		
	Power Consumption	SCC-C4253 : 4.2W / SCC-C4353 : 5.6W	SCC-C4255 : 4.2W / SCC-C4355 : 5.6W	
	LED Indicator	Yes		
Physical Specification	Dimensions (WxHxD)	SCC-C4253/C4255 : 59.0 X 59.2 X 124.2 mm, SCC-C4353/C4355 : 59.0 X 59.2 X 154.5 mm		
	Weight	SCC-C4253/C4255 : 383g, SCC-C4353/C4355 : 508g		
	Color	Silver		

