

1/3" CCD Col/B&W Fixed Dome  
Camera



## FEATURES

- A1 Digital Signal Processor with Motion Adaptive Digital Noise Reduction (DNR), Extended Dynamic Range (XDR), On Screen Menue (OSD), Digital Image Stabilisation (DIS), Picture in Picture (PiP), H/V Reverse, Digital Zoom, Profile and Privacy Zones
- CCVC (Camera Control Via Coaxial Cable, Controller: SCX-RD100)
- 600 TV Lines Horizontal Resolution
- Intelligent Video Content Analysis (Motion Tracking, Trip Wire, Area, Object fixed/ removed)
- Back light compensation for varius light conditions
- Day/Night feature (fixed IR cut filter, not IR sensitive)
- Built-in ground fault isolation transformer
- Power Input AC24V/DC12V

## SUMMARY

Samsung Electronics is set to unveil its new generation A1 series of CCTV cameras which will bring to the market a new level of camera performance in terms of both image quality and user benefits. The A1 camera series are equipped with the all new Samsung Electronics A1 DSP (Digital Signal Processor) engine, which has been developed in house by Samsung Electronics to deliver increased image resolution, reduced picture noise and provide enhanced contrast.

Diverse technologies are utilised in the A1 chipset, enabling the latest generation of Samsung Electronics' CCTV cameras to deliver performance technology including 'motion adaptive DNR'. This technology is the result of the utilisation of both 2D and 3D filters which reduce noise in the brightness of the image and noise caused by movement, providing a distinct and clear image under even the most demanding of lighting conditions.

The A1 engine also features XDR (eXtended Dynamic Range), which enhances the level of visible detail displayed in darker scene areas, whilst maintaining clear image reproduction in the brighter scene areas. This technology is particularly useful in high contrast scenarios and in areas of strong backlight, Samsung Electronics says.

The built-in video content analysis features include 'object left', 'object removed' and tracking function to monitor an object passing through a scene, generating an alarm in the event of abnormal directional changes.

Design and specifications are subject to change without notice

Status 01/2010

## Videüberwachung-Sicherheitstechnik - Inh. Inge Berthold

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### SPECIFICATIONS

Image Sensor	1/3" CCD (Super HAD)
Col/B&W	Off/On/Auto (fixed IR-Cut filtre)
Scanning System	PAL, 50Hz, 2:1 Inter Line Transfer
Pixels - total	795 x 596
Pixels - Effective	752 x 582
Resolution	600 (H) lines
Sensitivity	1 lux(50IRE) @ F2.0, 0.006 lux (15IRE, Sens up x512)
S/N Ratio	52 dB
Lens Mount	C/CS mount without adaptor
Lens Focal Length	3.8 mm
Viewing Angle	71°(H) ~ 53°(V)
Sens Up	Off ~ x512, auto
Motion Detection	On/Off
Number of Privacy Zones	12 (polygonal method)
BLC	On/Off
AGC	Off, Low, High
ELC	On (max. 1/200,000 s)/Off
Digital Noise Reduction (DNR)	On/Off
eXtended Dynamic Range (XDR)	Off/Low/Mid/High
Digital Image Stabilization (DIS)	Off/On
Additional Features	Digital Zoom, PIP, H/V Reverse, Positive/Negative inversion
Intelligent Video Analytics	Motion /Moved-Fixed Objects /Fence /Enter-Exit Area
OSD	Yes with profile (Standard, ITS, Back Light, Day/Night, Gaming, Custom)
Camera ID	54 character, 2 lines
White Balance	ATW-1/ATW-2/AWC/Manual
Lens Drive Type	Manual iris
Video Outputs	1 CVBS, 1Vpp, BNC
Remote Control	CCVC, data on coax cable with SCX-RD100
Operating Temperature	-10°C ~ +50°C
Humidity	less than 90%
Supply Voltage	24 VAC(50Hz)±10%, 12 VDC ±10%
Power Consumption	2.3 W
Weight	0.22 kg
Dimensions w*h*d	Ø 102 x 78 mm



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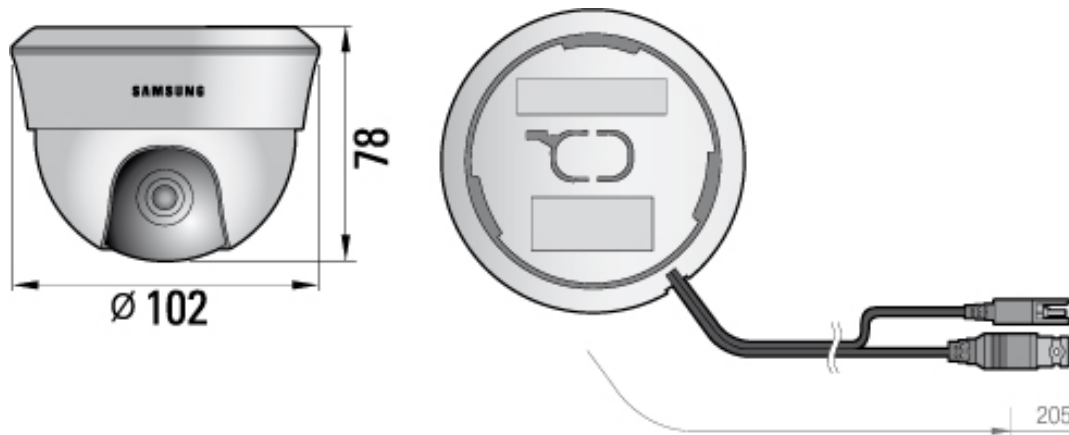
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**DIMENSIONS**



**ACCESSORIES**



**SCX-RD100**  
Remote controller over coaxial cable  
and RS485



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