

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)
- Day/Night feature (fixed IR cut filter, not IR sensitive)
- Varifocal Lens: f = 2,9 - 10 mm, auto iris
- Test monitor video output
- 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)
Scanning System	PAL, 50Hz, 2:1 Inter Line Transfer
Image Size	Pixel Total: 795 x 596, Pixel Effective: 752 x 582
Resolution	600 (H) lines
S/N Ratio	52 dB
Sensitivity	0.4 Lux(50IRE) @ F1.2, 0.0002Lux (15IRE, Sens up x512)
Number of Privacy Zones	12 (polygonal method)
Col/B&W	Off/On/Auto (fixed IR-Cut filtre)
Motion Detection	On/Off
Digital Zoom	Off/1 ~ 16x
High Speed Shutter	1/50 ~ 1/10.000 sec, auto
Sens Up	Off ~ x512, auto
BLC	On/Off/Area/Level
AGC	Off, Low, High
Line Lock	On, Off, Phase adjustment
Camera ID	54 character, 2 lines
Digital Noise Reduction (DNR)	On/Off
eXtended Dynamic Range (XDR)	Off/Low/Mid/High
Digital Image Stabilization (DIS)	Off/On
OSD	Yes with profile (Standard, ITS, Back Light, Day/Night, Gaming, Custom)
Additional Features	Digital Zoom, PIP, H/V Reverse, Positive/Negative inversion
Intelligent Video Analytics	Motion /Moved-Fixed Objects /Fence /Enter-Exit Area
White Balance	ATW-1/ATW-2/AWC/Manual
Pan Range	355° (Manual)
Tilt Range	0 ~ 90°
Lens Focal Length	2.9 - 10 mm
Aperture Ratio	F 1.2 ~ 360
Viewing Angle Tele	28.8°(H) ~ 21.6°(V)
Viewing Angle Wide	94.6°(H) ~ 68.4°(V)
Lens Drive Type	DC auto iris
Video Outputs	1 CVBS, 1 Vpp, BNC & 1 test monitor out
Remote Control	CCVC, data on coax cable with SCX-RD100
OSD	Yes, D,E,F,UK
Colour	White
Operating Temperature	-10°C ~ +50°C
Humidity	less than 90%
Supply Voltage	24 VAC(50Hz)±10% 12 VDC ±10%



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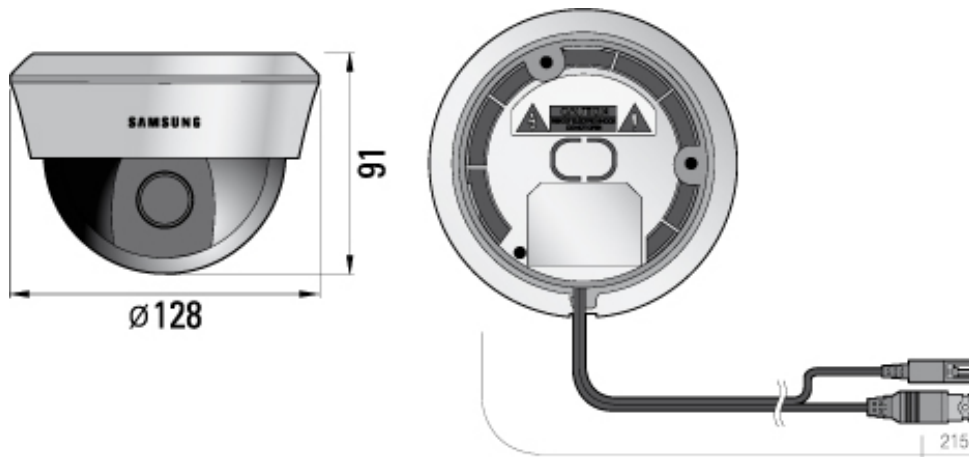
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**DIMENSIONS**



**ACCESSORIES**



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

