



# **Analog Camera Technical Manual**

## Notices

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## DS-2CC51A7P(N)-VF (Under R&D)



### Key Features

- Compact design
- SONY Super HAD CCD II
- Flickerless mode
- 75dB Wide Dynamic Range, suitable for strong backlight environment
- 3D-Digital Noise Reduction (3D-DNR)
- Smart IR mode
- High Light Reversion
- Electronic image stabilization (EIS)
- Min. illumination: 0.001 Lux @ F1.2 (Color) , 0.0001 Lux @ F1.2 (B/W)
- IR cut filter with auto switch
- OSD menu
- Auto iris with DC drive
- Auto white balance, auto gain control, electronic shutter control and backlight compensation
- Support 2.8 - 12 mm auto iris lens
- Internal or Power Synchronization
- 3-axis (pan/tilt/rotation) positioning allows adjustment for optimum camera rotation and placement

### Specification

Parameter	Model	DS-2CC51A7P(N)-VF
		700 TVL CCD WDR ICR Dome Camera
Camera		
Image Sensor		1/3" SONY Super HAD CCD II
Signal System		PAL/NTSC
Effective Pixels		PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)

Min. Illumination	Color: 0.001 Lux @ (F1.2, AGC ON), 0.0001 Lux @ (F1.2, AGC ON, sensitivity × 512) B/W: 0.0001 Lux @ (F1.2, AGC ON), 0.00001 Lux @ (F1.2, AGC ON, sensitivity × 512) Color: 0.0014 Lux @ (F1.4, AGC ON), 0.00014 Lux @ (F1.4, AGC ON, sensitivity × 512) B/W: 0.00014 Lux @ (F1.4, AGC ON), 0.000014 Lux @ (F1.4, AGC ON, sensitivity × 512)
Shutter Time	PAL: 1/50 s to 1/100,000 s NTSC: 1/60 s to 1/100,000 s
Lens	2.8 - 12 mm @ F1.4
	Angle of view: 92° - 27.2°
Lens Mount	φ14
Auto Iris	DC drive
Angle Adjustment	Pan: 0 - 355°, Tilt: 0 - 180°, Rotation: 0 - 355°
Day & Night	IR cut filter with auto switch
Horizontal Resolution	700 TVL
Wide Dynamic Range	75 dB
Synchronization	Internal/Power synchronization
Video Output	1Vp-p composite output (75 Ω/BNC)
S/N Ratio	More than 62 dB
Menu	
Camera ID	On/Off (26 letters, adjusted position)
Auto Gain	Low/Middle/High/Off
D/N Mode	Auto /Day/Night
White Balance	Auto trace WB1/Auto trace WB2/Manual/Auto Control
Private Mask	On/Off, maximum 12 zones
Motion Detection	On/Off
BLC	Area/Value/Off
WDR	Value/ Contrast / Return
Anti-Flicker	On/Off
Language	English/Chinese
Video	SMART IR, High Light Reversion, Digital Noise Reduction, Sharpness, Brightness, Saturation, Resolution, Electronic image stabilization, Digital Zoom, Mirror, Blemish Detection
Scene	Indoor Standard , Indoor Backlight , Outdoor, Low illumination , Customize
General	
Operating Conditions	-10 °C - 60 °C (14 °F - 140 °F) Humidity 90% or less (non-condensing)
Power Supply	24 V AC ± 10%, 12 V DC ± 10%

Power Consumption	Max. 4 W (Max. 4.5 W with IR cut filter on)
Dimension	Φ 136 × 101 mm (Φ 5.35" × 3.98")
Weight	800 g (1.76 lbs)

## Order Models

DS-2CC51A7P-VF

DS-2CC51A7N-VF

## Dimension

