



**DS-2CC597P(N)-A Analog Camera
Technical Manual**

Notices

The information in this documentation is subject to change without notice and does not represent any commitment on behalf of HIKVISION. HIKVISION disclaims any liability whatsoever for incorrect data that may appear in this documentation. The product(s) described in this documentation are furnished subject to a license and may only be used in accordance with the terms and conditions of such license.

Copyright © 2006-2010 by HIKVISION. All rights reserved.

This documentation is issued in strict confidence and is to be used only for the purposes for which it is supplied. It may not be reproduced in whole or in part, in any form, or by any means or be used for any other purpose without prior written consent of HIKVISION and then only on the condition that this notice is included in any such reproduction. No information as to the contents or subject matter of this documentation, or any part thereof, or arising directly or indirectly therefrom, shall be given orally or in writing or shall be communicated in any manner whatsoever to any third party being an individual, firm, or company or any employee thereof without the prior written consent of HIKVISION. Use of this product is subject to acceptance of the HIKVISION agreement required to use this product. HIKVISION reserves the right to make changes to its products as circumstances may warrant, without notice.

This documentation is provided “as-is,” without warranty of any kind.

Please send any comments regarding the documentation to:
overseabusiness@hikvision.com

Find out more about HIKVISION at www.hikvision.com

Contents

1. Key Features
2. Specifications
3. Dimension

1. Key Features

- Compact design
- 1/3" inch SONY CCD
- 160X Wide Dynamic Range, suitable for strong backlight environment
- Min. Illumination: 0.1 Lux@F1.2 (Color), 0.01Lux@F1.2 (B/W)
- Flickerless mode
- ICR filter auto switch
- Digital Noise Reduction (DNR)
- OSD menu
- Auto iris with DC / video driver
- Auto white balance, auto gain control, electronic shutter control and backlight compensation
- Support 2.8~11mm auto iris lens
- Internal or Power Synchronization
- Tri-axis mechanism

2. Specifications

Parameter	Model	DS-2CC597P(N)-A
Image Sensor		1/3 inch SONY vertical double density interline CCD
Signal System		PAL/NTSC
Effective Pixels		PAL:752 (H) × 582 (V) NTSC:768(H) × 494(V)
Min. Illumination	Color	0.1Lux @ F1.2, 0.0003Lux @ (F1.2, sensitivity × 256)
	B&W	0.01Lux @ F1.2, 0.00003Lux @ (F1.2, sensitivity × 256)
Electronic Shutter Speed		1/50(60) to 1/100,000s
Lens		2.8~11mm / F1.4(2.5~6mm optional)
Auto IRIS		DC
Day / Night		IR Cut Filter Auto Switch
Horizontal Adjustment Range		0° ~ 355°
Vertical Adjustment Range		0° ~ 90°
Horizontal Resolution (TVL)		540 (Color), 600 (B/W)
Wide Dynamic Range		160X
Synchronization		Internal / Power synchronization
Video Output		1Vp-p Composite Output (75Ω/BNC); Test Monitor OUT [1Vp-p Composite Output (75Ω/BNC), Device Line]
S/N Ratio		More than 50dB
Menu	Camera ID	On / Off (15 letters, fixed position)
	Auto Gain	Low / Middle / High / Off
	D / N Mode	Auto1 / Auto2 / Day / Night
	Auto White Balance	Auto trace AWB1/ Auto trace AWB2 / Manual / Auto
	Private Mask	On / Off, Maximum 8 Zones
	Motion Detection	Mode 1 / Mode 2 / Mode 3 / Off
	Flicker Proof	On / Off
	RS-485	Address / Protocol / Baud Rate
	Language	English / Chinese
	Video	Gama Amendment, Digital Zoom, Digital Noise Reduction, POS/NEG ,Mirror, Resolution, Sharpness, Y, C, Blemish Detection
Power Supply		24VAC / 20VA ±10%, 12VDC / 300Ma ±10%,
Working Temperature		-10℃ ~ 60℃ (14°F ~ 140°F)
Power Consumption		4W (10W MAX With ICR Working)
Dimension		φ110.99mm × 105.5mm (φ4.4" × 4.2")
Weight		400g (0.88lbs)

3. Dimension

