



**DS-2CM232P/N Analog Camera  
Technical Manual**

## Notices

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## Contents

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1. Key Features
2. Specifications
3. Dimension

## 1. Key Features

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- Compact Structure Design
- High Resolution: 480TVL
- 22X Optic Zoom
- 128 Preset Positions
- ICR Filter Auto Switch
- OSD Menu Controlling
- Min. Illumination: 0.1Lux @ F1.6
- Auto White Balance, Auto Gain Control, Electronic Shutter Control, and Backlight Compensation
- Digital Signal Processing
- Internal Synchronization
- Advanced Engineering Design, High Reliability

## 2. Specifications

Parameter	Model	DS-2CM232P/N
Image Sensor		1/4 inch SONY Interline Transfer Super HAD CCD
Signal System		PAL/NTSC
Effective Pixels		PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Synchronization		Internal Synchronization
Horizontal Resolution		480 TVL
Video Output		1Vp-p Composite Output (75Ω/BNC)
S/N Ratio		More than 50dB
Min. Illumination		0.1Lux @ F1.6
Lens		22X Optical Zoom
		F1.6, f=3.9 ~ 85.8mm
Menu	Camera ID	On / Off (20 letters, fixed position)
	Language	English, Chinese
	Iris	Auto / Manual
	Electronic Shutter	1/50(1/60)s to 1/100,000s
	Auto Gain	Low / High / Off
	Auto Focus	Auto / Manual / Once
	Day & Night	Auto / Color / B&W
	Auto White Balance	Auto trace WB / Manual / Indoor / Outdoor / Fluorescent lamp
	Motion Detection	On / Off (Zone, sensitivity)
	Special Function	BLC, POS/NEG, Focus-changing speed(4 levels), Definition
	Preset Points	128
Communication Interface	HIKVISION protocol, compatible of SONY VISCA protocol	
Power Supply		9-12V DC
Working Temperature		-10℃ ~ 60℃
Power Consumption		4W Max
Dimension (mm)		50 × 55.6 × 86
Weight		235g

## 3. Dimension

