

# DH-SD6C220I-HC

2MP 20x IR PTZ HDCVI Camera



- 1/2.8" 2Megapixel Exmor CMOS
- Powerful 20x optical zoom
- DWDR, 3D DNR
- Max. 25/30fps@1080P, 25/30/50/60fps@720P
- IR distance up to 100m
- IP66



## System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the SD6C series PTZ camera can provide large monitoring range and great detail. The camera delivers 1080P resolution at 25/30 fps, with 20x optical zoom. SD6C series PTZ is equipped with smooth control, high quality image and good protection, which make it can meet most of the requirements of video surveillance applications.

## Functions

### Simplicity

HDCVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HDCVI system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network.

### Environmental

With a temperature range of -40 °C to +60 °C (-40 °F to +140 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP66 rating makes it suitable for demanding outdoor applications.

### Protection

This camera suits even the harsh conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the effects of lightning.

## Technical Specification

### Camera

Image Sensor	1/2.8" Exmor CMOS
Effective Pixels	1920(H) x 1080(V), 2 Megapixels
Scanning System	Progressive
Electronic Shutter Speed	1/3s~1/300,000s
Minimum Illumination	Color: 0.05Lux@F1.4; 0Lux@F1.4 (IR on)
S/N Ratio	More than 50dB
IR Distance	Distance up to 100m (328ft)
IR On/Off Control	Auto/Manual
IR LEDs	6

### Lens

Focal Length	4.7mm~94mm
Max. Aperture	F1.4 ~ F2.6
Angle of View	H: 54.1° ~ 3.1°
Optical Zoom	20x
Focus Control	Auto/Manual
Close Focus Distance	100mm~ 1000mm

### PTZ

Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, auto flip 180°
Manual Control Speed	Pan: 0.1° ~ 160° /s; Tilt: 0.1° ~ 120° /s
Preset Speed	Pan: 240° /s; Tilt: 200° /s
Presets	300
PTZ Mode	5 Pattern, 8 Tour, Auto Pan ,Auto Scan
Speed Setup	Human-oriented focal Length/ speed adaptation
Power up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period
Protocol	DH-SD, Pelco-P/D (Auto recognition)

### Video

Resolution	1080P(1920×1080)/720P(1280×720)
Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P
Video Output	1-channel BNC HDCVI high definition video output/ CVBS standard definition video output (switchable)
Day/Night	Auto(ICR) / Color / B/W
OSD Menu	Support
Backlight Compensation	BLC / HLC / DWDR
White Balance	Auto, ATW, Indoor, Outdoor, Manual
Gain Control	Auto / Manual
Noise Reduction	Ultra DNR (2D/3D)

Digital Zoom	16x
Flip	180°
Privacy Masking	Up to 24 areas

### Certifications

Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB, ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2, No.60950-1
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### Interface

Video Interface	1
Audio Interface	1 channel in
RS485	1
Alarm	2/1

### Electrical

Power Supply	AC24V/3A(±10%)
Power Consumption	13W, 23W (IR on)

### Environmental

Operating Conditions	-40°C ~ 60°C (-40°F ~ +140°F) / Less than 90% RH
Ingress Protection	IP66
Vandal Resistance	N/A

### Construction

Casing	Metal
Dimensions	Φ204.7(mm) x 359.9(mm)
Net Weight	7.8kg(17.20lb)
Gross Weight	8.3kg(18.30lb)

## Ordering Information

Type	Part Number	Description
2MP PTZ Camera	DH-SD6C220I-HC	2MP 20x IR PTZ HDCVI Camera, PAL
	DH-SD6C220IN-HC	2MP 20x IR PTZ HDCVI Camera, NTSC
	SD6C220I-HC	2MP 20x IR PTZ HDCVI Camera, PAL
	SD6C220IN-HC	2MP 20x IR PTZ HDCVI Camera, NTSC
Accessories	64FB	Wall Mount
	AC24V/3A	Power Supply
	PFA114	Mount Adapter
	PFB303W	Wall Mount
	PFA140	Power box
	PFB300C	Ceiling Mount
	PFA120	Junction Box
	PFA150	Pole Mount
	PFA151	Corner Mount
	PFB303S	Parapet mount

## Accessories

Included:

64FB  
Wall MountAC24V/3A  
Power Supply

Optional:

PFA114  
Mount AdapterPFB303W  
Wall MountPFA140  
Power boxPFB300C  
Ceiling MountPFA120  
Junction BoxPFA150  
Pole MountPFA151  
Corner MountPFB303S  
Parapet Mount

Ceiling Mount	Junction Mount
PFA114 + PFB300C	PFA114 + PFB303W + PFA120
Power Box Mount	Pole Mount
PFA114 + PFB303W + PFA140	PFA114 + PFB303W + PFA150
Corner Mount	Parapet Mount
PFA114 + PFB303W + PFA151	PFA114 + PFB303S

## Dimensions (mm)

