

DH-SD50120I-HC 1MP 20x PTZ HDCVI Camera



- · 1/3" 1Megapixel Exmor CMOS
- Powerful 20x optical zoom
- · DWDR, 3D DNR
- · Max. 25/30/50/60fps@720P
- · IP67, IK10



System Overview

Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the SD50 series PTZ camera can provide large monitoring range and great detail. The camera delivers 720P resolution at 50/60 fps, with 20x optical zoom. SD50 series PTZ is equipped with quick and 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. he camera complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force. Subjected and certified to rigorous dust and water immersion tests, the IP67 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.



Pro Series | DH-SD50120I-HC

Technical Specification

Protocol Video

Resolution

Frame Rate

Video Output

Day/Night

OSD Menu

White Balance Gain Control

Noise Reduction

Backlight Compensation

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Camera		
Image Sensor	1/3" Exmor CMOS	
Effective Pixels	1280(H) x 720(V), 1 Megapixels	
Scanning System	Progressive	
Electronic Shutter Speed	1/3s~1/300,000s	
Minimum Illumination	Color: 0.05Lux@F1.4; B/W: 0.005Lux@F1.4	
S/N Ratio	More than 50dB	
IR Distance	N/A	
IR On/Off Control	N/A	
IR LEDs	N/A	
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: 0° ~ 90°,auto flip 180°	
Manual Control Speed	Pan: 0.1° ~350° /s; Tilt: 0.1° ~250° /s	
Preset Speed	Pan: 500° /s; Tilt: 500° /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	

DH-SD, Pelco-P/D (Auto recognition)

1-channel BNC HDCVI high definition video output/

CVBS standard definition video output (switchable)

720P(1280×720)

25/30/50/60fps@720P

Auto(ICR) / Color / B/W

Auto, ATW, Indoor, Outdoor, Manual

BLC / HLC / DWDR

Auto / Manual

Ultra DNR (2D/3D)

Support

Digital Zoom	16x
Flip	180°
Privacy Masking	Up to 24 areas
Audio	
Compression	G.711a/G.711u(32kbps)/PCM(128kbps)
Certifications	
Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2,No.60950-1
Interface	
Video Interface	1
Audio Interface	1/1
R\$485	1
Alarm	2/1
Electrical	
Power Supply	AC24V/1.5A(±10%)
Power Consumption	13W,23W (Heater on)
Environmental	
Operating Conditions	-40ºC ~ 60ºC (-40°F ~ +140°F) / Less than 90% RH
Ingress Protection	IP67
Vandal Resistance	IK10
Construction	
Casing	Metal
Dimensions	Ф186.0(mm) x 253(mm)
Net Weight	2.5kg(5.51lb)
Gross Weight	4.5kg(9.92lb)

www.dahuasecurity.com

Pro Series | DH-SD50120I-HC

Ordering Information

Туре	Part Number	Description
DH-SD5 1MP PTZ Camera SD5012	DH-SD50120I-HC	1MP 20x PTZ HDCVI Camera, PAL
	DH-SD50120IN-HC	1MP 20x PTZ HDCVI Camera, NTSC
	SD50120I-HC	1MP 20x PTZ HDCVI Camera, PAL
	SD50120IN-HC	1MP 20x PTZ HDCVI Camera, NTSC
PFA1: AC24 PFA14 Accessories PFB30 PFA12 PFA15	PFB300S	Wall Mount
	PFA110	Mount Adapter
	AC24V/1.5A	Power Supply
	PFA140	Power box
	PFB300C	Ceiling Mount
	PFA120	Junction Box
	PFA150	Pole Mount
	PFA151	Corner Mount
	PFB303S	Parapet mount

Ceiling Mount	Junction Mount
PFA110 + PFB300C	PFA110 + PFB300S + PFA120
Power Box Mount	Pole Mount
PFA110 + PFB300S + PFA140	PFA110 + PFB300S + PFA150
Corner Mount	Parapet Mount
PFA110 + PFB300S + PFA151	PFA110 + PFB303S

Accessories

Included:



PFB300S Wall Mount





PFA140 Power box



PFA150 Pole Mount



PFA110 Mount Adapter

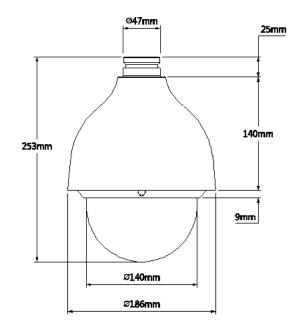
PFB300C



PFA120 Junction Box



Parapet Mount



Dimensions (mm)









PFB303S

Ceiling Mount