

## DH-SD59212I/220I/230I-HC

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2Mp 1080P 12x/20x/30x Ultra-high Speed IR HDCVI PTZ Dome

Camera



### Features

- 12x/20x/30x optical zoom
- Max. 25/30fps@1080P(1920×1080) & 20/30/50/60fps@720P resolution
- DWDR, Day/Night(ICR), Ultra DNR, Auto iris, Auto focus
- Max 400°/s pan speed, 360° endless pan rotation
- Control over coaxial cable, long distance real-time transmission
- HD and SD switchable
- Up to 300 presets, 5 auto scan, 8 tour, 5 pattern
- Built-in 2/1 alarm in/out
- Support intelligent 3D positioning with DH-SD protocol
- IR Distance up to 100m
- IP66,OSD

# DH-SD59212I/220I/230I-HC

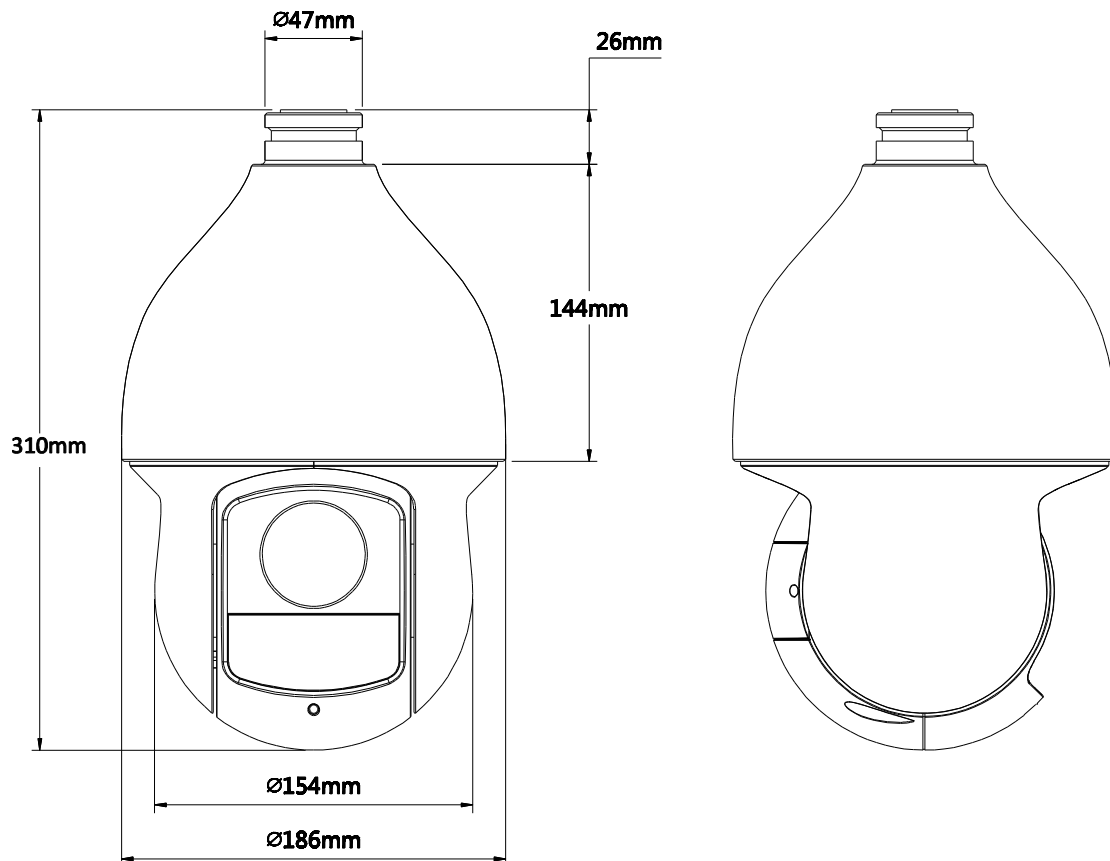
## Technical Specifications

Model	DH-SD59212I-HC	DH-SD59220I-HC	DH-SD59230I-HC
<b>Camera</b>			
Image Sensor	1/2.8" Exmor CMOS		
Effective Pixels	1920(H) x 1080(V), 2Megapixels		
Horizontal Resolution	≥1000TVL		
Scanning System	Progressive		
Electronic Shutter Speed	1/1 ~ 1/30,000s		
Min. Illumination	Color: 0.05Lux@F1.6; B/W: 0.005Lux@F1.6; 0Lux (IR on)	Color: 0.05Lux@F1.4; B/W: 0.005Lux@F1.4; 0Lux (IR on)	Color: 0.05Lux@F1.6; B/W: 0.005Lux@F1.6; 0Lux (IR on)
S/N Ratio	More than 50dB		
Resolution	25/30fps@1080P, 25/30/50/60fps@720P		
Video Output	1-channel BNC HDCVI high definition video output/ CVBS standard definition video output (Can switch)		
<b>Camera Features</b>			
Day/Night	Auto(ICR) / Color / B/W		
Backlight Compensation	BLC / HLC / DWDR (Digital WDR)		
White Balance	Auto, ATW, Indoor, Outdoor, Manual		
Gain Control	Auto / Manual		
Noise Reduction	2D/3D		
Privacy Masking	Up to 24 areas		
Digital Zoom	16x		
<b>Lens</b>			
Focal Length	5.1mm~61.2mm (12x Optical zoom)	4.7mm~94mm (20x Optical zoom)	4.3mm~129mm (30x Optical zoom)
Max Aperture	F1.6~ F3.0	F1.4~ F2.6	F1.6 ~ F5.0
Focus Control	Auto / Manual		
Angle of View	H: 51.3° ~ 4.64°	H: 54.1° ~ 3.2°	H: 65.1° ~ 2.34°
Close Focus Distance	100mm ~ 1000mm		
<b>PTZ</b>			
Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, auto flip 180°		
Manual Control Speed	Pan: 0.1° ~300° /s; Tilt: 0.1° ~200° /s		
Preset Speed	Pan: 400° /s; Tilt: 300° /s		
Preset	300(DH-SD),255(Pelco-P/D)		
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)		

## DH-SD59212I/220I/230I-HC

IR Distance	100m
<b>Audio</b>	
Interface	1 channel In
<b>Auxiliary Interface</b>	
RS485	1
Alarm	2/1 channel In/Out
<b>General</b>	
Power Supply	AC24V/3A (±10%)
Power Consumption	12W, 25W (IR on)
Working Environment	-40°C ~ 70°C / Less than 90% RH
Ingress Protection	IP66
Dimensions	Φ186.0(mm) x 310(mm)
Weight	3.5Kg

### Dimensions (mm)






## DH-SD59212I/220I/230I-HC

### Accessories

		
DH-PFB300S	DH-PFA110	Power Supply

### Accessories (Optional)

		
DH-PFB300C	DH-PFA112	DH-PFA113

		
DH- PFA120	DH-PFA150	DH-PFA151

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\*Design and specifications are subject to change without notice.

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