

## DH-SD6A220/230/S220-HNI

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2Mp Full HD 20x/30x Network IR PTZ Dome Camera



### Features

- Powerful 20x/30x optical zoom
- H.264 & MJPEG dual-stream encoding
- Max 60fps@720P and 30fps@1080P resolution
- Defog(220/230), DWDR(WDR), Day/Night(ICR), Ultra DNR, EIS(220/230), Auto iris, Auto focus
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- Max 240°/s pan speed, 360° endless pan rotation
- Up to 255 presets, 5 auto scan, 8 tour, 5 pattern
- Built-in 7/2 alarm in/out
- Support intelligent 3D positioning with DH-SD protocol
- Micro SD memory, IP66
- IR Distance up to 150m

# DH-SD6A220/230/S220-HNI

## Technical Specifications

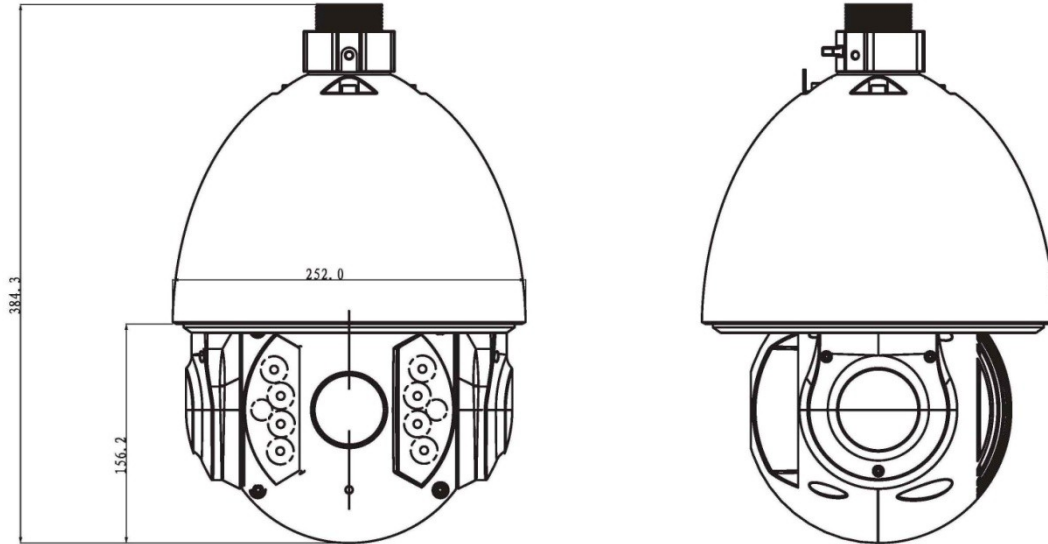
Model	DH-SD6A220-HNI	DH-SD6A230-HNI	DH-SD6AS220-HNI
<b>Camera</b>			
Image Sensor	1/2.8" Exmor CMOS		
Effective Pixels	1944(H) x 1092(V), 2 Megapixels		
Scanning System	Progressive		
Electronic Shutter Speed	1/1 ~ 1/30,000s		1/1 ~ 1/10,000s
Min. Illumination	Color: 0.05Lux@F1.6; B/W: 0.005Lux@F1.6		Color: 0.5Lux@F1.6; B/W: 0.095Lux@F1.6
S/N Ratio	More than 50dB		
Video Output	BNC(1.0Vp-p/75Ω), PAL / NTSC		
<b>Camera Features</b>			
Day/Night	Auto(ICR) / Color / B/W		
Backlight Compensation	BLC / HLC / DWDR (Digital WDR)		BLC / HLC / WDR
White Balance	Auto, ATW, Indoor, Outdoor, Manual		
Gain Control	Auto / Manual		
Noise Reduction	Ultra DNR (2D/3D)		
Privacy Masking	Up to 24 areas		
Digital Zoom	16x		12x
Defog	On / Off		N/A
<b>Lens</b>			
Focal Length	4.7mm~94.0mm(20x Optical zoom)	4.3mm~129mm(30x Optical zoom)	4.7mm~94.0mm(20x Optical zoom)
Max Aperture	F1.6 ~ F3.5	F1.6 ~ F4.7	F1.6 ~ F3.5
Focus Control	Auto / Manual		
Angle of View	H: 55.4° ~ 2.80°	H: 65.1°~ 2.34°	H: 55.4° ~ 2.90°
Close Focus Distance	10mm~ 1000mm	10mm~ 1200mm	10mm~ 800mm
<b>PTZ</b>			
Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -10° ~ 90°, auto flip 180°		
Manual Control Speed	Pan: 0.1° ~200° /s; Tilt: 0.1° ~120° /s		
Preset Speed	Pan: 240° /s; Tilt: 200° /s		
Preset	80		
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/ Pan/ Scan/ Tour/ Pattern if there is no command in the specified period		
Time Task	Auto activation of Preset/ Pan/ Scan/ Tour/ Pattern by preset-time		
Protocol	DH-SD		
IR Distance	150m (2 near IR LED+ 8 far IR LED)		
<b>Video</b>			
Compression	H.264 / MJPEG		

## DH-SD6A220/230/S220-HNI

Resolution	1080P(1920×1080) / 720P(1280×720) / D1(704×576/704×480) / CIF (352×288/352×240)	
Frame Rate	Main Stream	1080P (1 ~ 25/30fps) / 720P(1~50/60fps)
	Sub Stream	D1/CIF(1 ~ 25/30fps)
Bit Rate	H.264: 56K ~ 8192Kbps, MJPEG: 56K ~ 20480Kbps	
<b>Audio</b>		
Compression	G.711a / G.711u(32kbps)/ PCM(128kbps)	
Interface	1/1 channel In/Out	
<b>Intelligent Function</b>		
Auto Tracking	Single-scene, multiple-scene, panorama-scene	
IVS	Tripwire, Cross Warning Zone, Perimeter Protection, Loitering Detection, Abandoned Object Detection, Missing Object Detection, Illegal Parking, Fast Moving and etc.	
Tracking Trigger Mode	Manual / Auto (alarm triggered)	
Tracking Trigger Event	Targeting, Zoom, Tracking, Recording, Snapshot, Alarm and etc.	
<b>Network</b>		
Ethernet	RJ-45 (10/100Base-T)	
Protocol	IPv4/ IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1x	
ONVIF	ONVIF Profile S	
Max. User Access	20 users	
Smart Phone	iPhone, iPad, Android, Windows Phone	
<b>Auxiliary Interface</b>		
Memory Slot	Micro SD, Max 64GB	
Alarm	7/2 channel In/Out	
<b>General</b>		
Power Supply	AC 24V/3A (±16%)	
Power Consumption	20W, 43W (IR on, Heater on)	
Working Environment	-40°C ~ 70°C / Less than 90% RH	
Ingress Protection	IP66	
Vandal Resistance	4000V anti-lightning surge	
Dimensions	Φ252(mm) x 384.3 (mm)	
Weight	6.75kg	

# DH-SD6A220/230/S220-HNI

## Dimensions (mm)



## Accessories

DH-69FB	DH-PFA111	Power Supply

## DH-SD6A220/230/S220-HNI

### Accessories (Optional)

			
DH-PFB300C	DH- PFB301C	DH-PFA112	DH-PFA113
			
DH-PFB301S	DH- PFA120	DH-PFA150	DH-PFA151

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### Dahua Technology Co., Ltd.

1187 BinAn Road, Binjiang District, Hangzhou, China

Tel: +86-571-87688883

Fax: +86-571-87688815

Email:overseas@dahuatech.com

www.dahuatech.com

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

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