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## 1.3Mp HD Network IR PTZ Dome Camera



### Features

- 28x / 30x optical zoom
- H.264 & MJPEG dual-stream encoding
- Max.25/30fps@1.3M(1280×960) & 720P resolution
- WDR, Day/Night(ICR), DNR (2D&3D),Auto iris, Auto focus, AWB, AGC,BLC
- 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
- SD memory, IP66
- IR LEDs up to 100m

## Technical Specifications

Model	SD6981B-HN	SD6981C-HN
<b>Camera</b>		
Image Sensor	1/4" CMOS	1/3" CCD
Effective Pixels	1280(H) x 960(V)	
Scanning System	Progressive	
Electronic Shutter Speed	PAL/ NTSC: 1/1~1/10000s	PAL:1/3~1/10000s NTSC:1/4~1/10000s
Min. Illumination	Color:0.25Lux/F1.35 B/W: 0.03Lux/F1.35	Color:0.1Lux B/W:0.005Lux
S/N Ratio	More than 50dB	
Video Output	BNC(1.0Vp-p/75Ω), PAL / NTSC	
<b>Camera Features</b>		
Max. IR LEDs Length	100m	
Day/Night	Auto(ICR) / Color / B/W	
Backlight Compensation	BLC / HLC / WDR	
White Balance	Auto, ATW, Indoor, Outdoor, Manual	
Gain Control	Auto / Manual	
Noise Reduction	2D / 3D	
Privacy Masking	Up to 24 areas	
Digital Zoom	12x	2x
<b>Lens</b>		
Focal Length	3.5mm~98.0mm (28x Optical zoom)	4.4mm~132mm (30x Optical zoom)
Max Aperture	F1.35 ~ F3.7	F1.4~ F4.6
Focus Control	Auto / Manual / One shot	
Angle of View	H: 55.9°~2.1°	H: 30.5°~ 1.82°
Close Focus Distance	10mm(wide) ~1500mm(Tele)	N/A
<b>PTZ</b>		
Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -2° ~ 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	
Preset	80(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/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, Pelco-P/D (Auto recognition)	
<b>Video</b>		

Compression		H.264 / MJPEG	
Resolution		1.3M(1280×960) / 720P(1280×720) / D1(704×576/704×480) / CIF(352×288/352×240)	
Frame Rate	Main Stream	1.3M/720P(1~25/30fps)	720P(1 ~ 25/30fps)
	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>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	
ONVIF		ONVIF Ver. 2.0 conformance	
Max. User Access		20 users	
Smart Phone		iPhone, iPad, Android, Windows Phone	
<b>Auxiliary Interface</b>			
Memory Slot		Micro SD, Max 32GB	
RS485		1	
Alarm		7/2 channel In/Out	
<b>General</b>			
Power Supply		AC 24V/3A (±10%) / DC12V optional	
Power Consumption		17W, 35W(IR on, Heater on)	
Working Temperature		-40°C ~ 60°C / Less than 90% RH	
Ingress Protection		IP66	
Dimensions		Φ229.6(mm) x381.5(mm)	
Weight		7.0kg	