

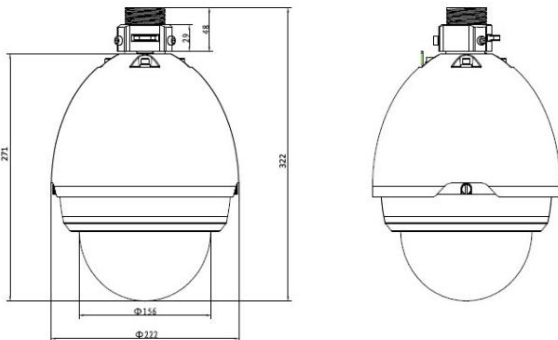
SPECIFICATION



FEATURES

- 20x/30xoptical zoom
- H.264 & MJPEG dual-stream encoding
- Max. 25/30fps@1080P,25/30/50/60fps@720Presolution
- DWDR,Day/Night(ICR), Ultra DNR, Auto iris, Auto focus
- Multiplenetwork monitoring: Webviewer, CMS(DSS/PSS) & DMSS
- Max 300°/s pan speed, 360° endless pan rotation
- Up to 255 presets, 5 auto scan, 8 tour, 5 pattern
- Built-in 2/1 alarm in/out
- Support intelligent 3D positioning with DH-SDprotocol
- Micro SD memory, IP66, IK10

DIMENTION



Camera	
Image Sensor	1/2.8" Exmor CMOS
Effective Pixels	1944(H) x 1092(V)
Scanning System	Progressive
Electronic Shutter Speed	1~ 1/30,000s
Min. Illumination	Color: 0.05Lux@F1.6; B/W: 0.005Lux@F1.6
S/N Ratio	More than 50dB
Video Output	BNC(1.0Vp-p/75Ω), PAL/NTSC
Camera Features	
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	Ultra DNR (2D/3D)
Privacy Masking	Up to 24 areas
Digital Zoom	16x
Lens	
Focal Length	3mm~129mm (30x Optical zoom)
Max Aperture	F1.6 ~ F5.0
Focus Control	Auto / Manual
Angle of View	H: 65.1°~ 2.34°
Close Focus Distance	100mm~ 1000mm
PTZ	
Pan/Tilt Range	Pan: 0° ~ 360°endless;Tilt: -2° ~ 90°,auto flip 180°
Manual Control Speed	Pan: 0.1° ~300° /s;Tilt: 0.1° ~150° /s
Preset Speed	Pan:300° /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
Protocol	DH-SD, Pelco-P/D (Auto recognition)
Video	
Compression	H.264 / MJPEG
Resolution	1080P(1920×1080)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240)
Frame Rate	Main Stream 1080P/ D1(1 ~ 25/30fps), 720P(1~50/60fps)
Rate	Sub Stream D1/CIF(1 ~ 25/30fps)
Bit Rate	H.264: 56K ~ 8192Kbps, MJPEG: 56K ~ 20480Kbps
Audio	
Compression	G.711a / G.711u(32kpbs)/PCM(128kpbs)
Interface	1/1 channel In/Out
Network	
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
Compatibility	ONVIF PSIA CGI
Max. User Access	20users
Smart Phone	iPhone, iPad, Android, WindowsPhone
Auxiliary Interface	
Memory Slot	Micro SD, Max 64GB
RS485	1
Alarm	2/1 channel In/Out
General	
Power Supply	AC 24V/3A(±10%)
Power Consumption	9.5W,21W(Heater on)
Working Environment	-40°C ~ 60°C/ Less than 90% RH
Ingress Protection	IP66, IK10
Dimensions	Φ211.9(mm) x 322.1(mm)
Weight	6.8kg

