

SH-IP4220-12V

2MP 20X IR PTZ network camera



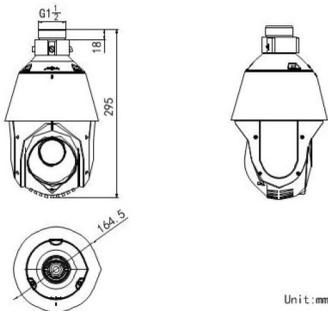
Key features

- 1/2.8" Progressive Scan CMOS
- 1920 x 1080
- 20X Optical Zoom
- DWDR
- 3D intelligent positioning function
- Support Hik-Connect
- Up to 100m IR distance
- 12VDC & POE(802.3at)

Available Models

SH-IP4220-12V, 12VDC&POE(802.3at, class4)

Dimension



Accessories



SH-IP4220-12V

Camera Module	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	F1.6, AGC On: Color: 0.05 lux, B/W : 0.01 lux, 0 lux with IR
Max. Image Resolution	1920 x 1080
Focal Length	4.7-94.0mm, 20x
Digital Zoom	16X
Zoom Speed	Approx.3s(Optical Wide-Tele)
Angle of View	58.3-3.2 degree (Wide-Tele)
Min. Working Distance	10-1,000mm(Wide- Tele)
Aperture Range	F1.6-F3.5
Focus Mode	Auto / Semiautomatic / Manual
DWDR	Support
Shutter Time	1-1/10,000s
AGC	Auto / Manual
White Balance	Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
Day & Night	IR Cut Filter
Privacy Mask	8 privacy masks programmable
Enhancement	3D DNR, Defog, HLC/BLC, EIS
Pan and Tilt	
Range	Pan:360° endless; Tilt: -15°-90°(Auto Flip)
Speed	Pan Manual Speed: 0.1°-80°/s, Pan Preset Speed: 80°/s Tilt Manual Speed: 0.1°-80°/s, Tilt Preset Speed: 80°/s
Number of Preset	300
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 pattern scans, record time over 10 minutes for each scan
Park Action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan
Scheduled Task	Auto scan / Frame scan / Random scan / Patrol / Pattern / Preset / Panorama scan / Tilt scan / Dome reboot / Dome adjust
Features	
Detection	Intrusion detection, Line crossing detection, Motion detection
ROI encoding	Support 4 areas with adjustable levels
Infrared	
IR Distance	Up to 100m
IR Intensity	Automatically adjusted, depending on the zoom ratio
Network	
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Stream	Support three Streams
Main Stream	50Hz:25fps(1920×1080,1280×960,1280×720), 50fps(1280×960,1280×720) ; 60Hz: 30fps(1920×1080,1280×960,1280×720), 60fps(1280×960,1280×720)
Sub Stream	50Hz:25fps(704×576,640×480,352×288);60Hz:30fps(704×480,640×480,352×240)
Three Stream	50Hz:25fps(1920×1080,1280×960,1280×720,704×576,640×480,352×288); 60Hz: 30fps(1920×1080,1280×960,1280×720,704×480,640×480,352×240)
Image Compression	H.264/MJPEG
Audio Input	1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1KΩ, ±10%
Audio Output	1 output, Line level, impedance: 600Ω
Audio Compression	G.711/G.722/G.726/MP2L2
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 20 users
Mini SD Memory Card	Support up to 128GB Micro SD/SDHC/SDXC card. Support Edge recording
User/Host Level	Up to 32 users, 3 Levels: Administrator, Operator and User
Security Measures	User authentication (ID and PW); Host authentication (MAC address); IP address filtering
System Integration	
Application programming	Open-ended API, support ONVIF, PSIA and CG , Support Hik-Connect
Web Browser	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +
Power	12 VDC & POE(802.3at, class4), Max.20W
Working Temperature	-30°C ~ 65°C [-22°F ~ 149°F]
Humidity	90% or less
Protection Level	IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection
Certification	FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1
Dimensions	Φ164.5(mm)×295(mm)
Weight (approx.)	2kg (4.41lbs)
Mount Option	Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ