

Smart IR IP PTZ

SS-ES313P-20-23X

SS-ES313P-20-33X

Key Features

- Support max 2560×1440
- H.264/H.265/MJPEG encoding
- Support 3DNR, WDR, defog, HLC
- 3D positioning, privacy mask, PTZ watch
- Support smart IR Grouping control
- IR distance can reach 200m
- Support max 256GB Micro SD card
- Lightning Protection, surging prevention, Anti-surge
- IK10 Rated
- IP67 Certified



Product Specifications

MODEL	SS-ES313P-20-23X	SS-ES313P-20-33X
Image sensor	1/2.7" Sony 4MP CMOS Sensor	
Min. illumination	Colour: 0.001Lux@F1.6; B/W: 0.0001Lux@F1.6	
Effective pixels	4MP	
Resolution	More than 1000TVL	
Optical zoom	23X	33X
Digital zoom	16X	
Focal length	f=4.7mm~108.1mm	f=4.3mm~141.9mm
Iris	F1.5(W)~F3.0 (T)	F1.6(W)~F4.4 (T)
Angle of View	55.8° (Wide)~3.2°(Tele)	59.8° (Wide)~2.34°(Tele)
Zoom speed	3s (wide angle-telescope)	
Focus mode	Auto/manual/semi-auto	
Focus area	Panoramic/central focus	
S/N ratio	> 65dB	
Images adjust	Support brightness, contrast, saturation, Hue can be adjusted through web	
White balance	Auto/ filament lamp/ 4000K colour temperature/ 5000K color temperature/ sunshine/ dark clouds / flash/fluorescent/highlight fluorescent/water bottom/automatic low colour temperature/ user-defined	
Image mode	Auto/Indoor/Outdoor	
Iris control	Auto/ Manual	
Electronic shutter	Manual (1/5~1/10,000, Auto (normal: 1/3~1/30000 s; illumination mode:1/5~1/10,000s)	
Auto slow shutter	On/Off	
Gain control	100/150/200/300/400/600/800/1600/3200/6400/12800/25600/51200	
BLC	On/Off	
Electronic Image Stabilization (EIS)	Support	
Exposure compensation	Automatic/ Electronic	
HLC	On/Off	
WDR	Up to 140dB	
Day/Night	Auto/Color/ B/W	
Mirror	Normal/ Horizontal Mirror/Vertical Mirror	
DNR	3D/2D DNR, On/Off (1~5)	
Defog	On/Off	
Anti-Shake	On/Off	
AUDIO/VIDEO COMPRESSION		
Video compression	H.265/H.264/MJPEG	
H.265 encoding Type	Support	

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H.264 encoding Type	Base Line / Main Profile / High Profile
Frame rate	1~30fps adjustable 2560×1440, 1920×1080, 1280×1024, 1280×960, 1280×720, 720×576
Mainstream resolution	2560×1440, 1920×1080(1080p), 1280×1024(XVGA), 1280×720(720p), 1280×960(960p), D1
Sub stream resolution	720×576(D1)640*480(VGA), 640*360(Q720)352X288(CIF), 320×240(QVGA), 176×144(QCIF)
Third stream resolution (optional)	1920×1080(1080p) @15fps, 1280×720(720p), 720×576(D1) @25fps
Output format	PAL/NTSC adjustable
Max. resolution	2560×1440
Video bit rate	Constant bit rate, Variable bit rate(16kbps-8000kbps)
Stream type	Complex stream/ Video stream
Audio compression	G.711u
Audio bit rate	64Kbps
Audio control	Input volume (0-100), Input volume (0-100)
ROI	4 zones (1-6)
FUNCTION)	
Pan/Tilt range	Pan: 0° ~ 360° endless; Tilt: 185° (-5° ~ 180°)
Manual Control Speed	Pan: 0.1° ~ 350° /s; Tilt: 0.1° ~ 350° /s
Preset speed	400°/s
Preset accuracy	±0.1°
Preset	256
Cruise	8 groups
Linear Scan	8 groups
Pattern	4 groups
Continuous scan	Support
Proportion zoom	Auto
PTZ watch	Off/ Preset/ Cruise/ Pattern/ Linear scan(1~15min)
Auto flip	Mechanical Flip
Power off memory	Support
3D positioning	Support
Magnification/Coordinate display	Support
IR irradiation angle	Automatically grouping adjusted, depending on the zoom ratio
IR distance	200M
Smart IR	IR irradiation brightness and angle can be adjusted depending on the zoom ratio
NETWORK	
Network protocol	ONVIF2.4.1, Profile S, IPv4/IPv6, TCP/IP, UDP, HTTP, HTTPS, SSL,SMTP, FTP, NTP, DNS, DDNS, DHCP, ARP, UPnP, RTSP, RTP, RTCP, IGMP, QoS, IEEE802.1x, PPPoE, ICMP, SNMP
Access protocol	ONVIF Profile S, ONVIF Profile G, PSIA, CGI
Browser	Support IE11 above
User permission	User Add/Delete/Modify, Administrator/ Operator/Ordinary users
Safe mode	Authorized username and password
Watermark	Available
Privacy mask	8 zones
Event linkage	Snapshot, SD card video, FTP upload or Email sending, alarm output linkage, Preset linkage
Mobile surveillance	Support Android, Apple
Device exception	Storage expectation, ethernet disconnection, illegal login
OSD	Title, time and date overlay, OSD colour/size adjustable
DST	Support
System upgrade	Support online remote upgrade
Remote Administration	PC client, Web Client
Max. User Access	20 Users
Multicast function	On/Off
ANR	Support, match with the NVR
SMART INTELLIGENCE (Optional)	
Smart analysis	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal, Audio Detection, IP address conflict, Storage Full, Storage error
Motion detection	22X18 zones
Line Crossing Detection	Support 4 Virtual Lines, Crossing a pre-defined virtual line
Intrusion Detection	Support 4 Zone, Enter and loiter in a pre-defined virtual region
Region Entrance	Support 4 Zone Enter a pre-defined virtual region from the outside place
Region Exiting	Support 4 Zone Exit from a pre-defined virtual region

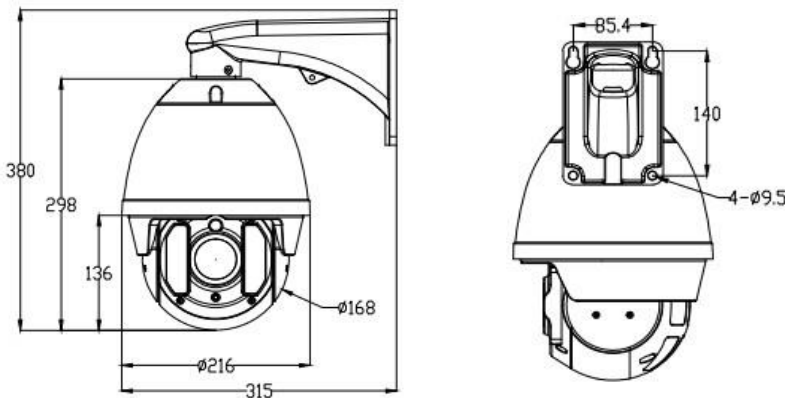
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Unattended Baggage	Support 4 Zone, Objects left over in the pre-defined region such as the suspicious baggage, toy, dangerous materials
Object Removal:	Support 4 Zone, Objects removed from the pre-defined region, such expensive article in a museum.
Object Counting	Support 4 Virtual Lines, Object Counting (Entrance and Exit object number is counted and showed on screen in real time)
Event linkage	Snapshot, SD card video, FTP upload or Email sending, alarm output linkage, Preset linkage
Tempering Alarm	1 Zone, camera is moved, partially obscured, severely defocused, covered or sprayed
INTEGRATION	
Network interface	RJ45 10M/100M Network Adaptive
Analog video output	1.0Vp-p complex video output,75Ω
Audio	1CH input/1CH output, monitoring or bidirectional talk
Alarm Input	2 CH inputs
Alarm Output	1CH output, support alarm linkage
Reset	Support
RS485 port	(Support optional) Half Duplex, support Pelco-P and Pelco-D
SD card	Support Max 256G, Support ANR
GENERAL	
Protection Level	IP67 Certified, IK10 Rated, TVS 6,000V Lightning Protection, Surge Protection and Voltage Transient Protection
Operating humidity	-50°C ~ 70°C (-40°F ~ +158°F) / 10–100% RH (condensing)
Power supply	DC24V/1.5A (±10%)
POE	PoE+ (802.3at)
Power consumption (max.)	13W,20W (Heater on)
Fan & Heater	Support
Dimensions(mm)	380(H)*216(D)mm
Weight/PCS(g)	About 7kg
Certification	Safety: CE, FCC, IS 13252-1 (2010), EN:60950-1, IEC 60950-1:2005, BIS Registered, RoHS Ingress Protection: IP67 Certified, EN:60529 Immunity: FCC

*Note: Sparsh offers customized products and solutions on most of the products as per site or customer requirements, minor changes in specifications and appearance are warranted and tracked version wise for customized requirements.

Product Dimensions:



Ordering Information:

Ordering Models	Zoom	Audio	Alarm	PoE
SS-ES313P-20-23X	23X Optical Zoom	1 IN/1 Out	2 IN/1 Out	Support
SS-ES313P-20-33X	33X Optical Zoom	1 IN/1 Out	2 IN/1 Out	Support

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