

SIP-20SH5446W-P12S 2MP 44x PTZ



Product Highlights

- Auto tracking Early Warning(AEW)
- IR LED + White Light + Green Laser
- Super Starlight Ultra Low Light 0.0004lux
- H.265/H.264 HP/MP/BP/M-JPEG Codec
- Up to 1920x1080@60fps
- Mechanical WDR 140dB
- Smart IR, IR Range: 400m
- Min. Illumination Color: 0.0004 Lux,B/W: 0.0001 Lux, 0 Lux with IR
- NIR, WDR, 3D DNR, HLC, Dual-ICR, AWB, AGC, BLC
- VCA Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/ Running/ Loitering/ Parking/Early Warning/Crowd/Audio Abnormal Detection/Video Abnormal Detection/Face Detection/ People Counting/On duty Detection/Auto tracking
- Optical Zoom: 44x, Digital Zoom: 16x
- Speed Max 240°/s, -16~90° Tilt Angle
- Automatic Network Replenishment
- Interface Built-in Mic, Built-in Speaker, Audio in/out 1/1, Alarm in/out 8/2, MicroSD Card Slot, up to 256GB, Reset Button,RS-485,BNC
- TVS 6000V, Lightning/Surge 4000V Protection, IP66, IK10
- Operating Conditions -40°C-70°C, 0~95% RHG

Specifications

Model Number	SIP-20SH5446W-P12S	Version 4.1
Camera		
Image Sensor	1/1.8" CMOS	
Effective Pixels	1920(H)x1080(V)	
Signal System	PAL/NTSC	
Minimum Illumination	Color: 0.0004 Lux @(F1.6,AGC ON)	
	Black&White:0.0001Lux @(F1.6,AGC ON) 0 Lux with IR	
White Balance	Auto/ ATW/ Manual	
AGC	Auto/ Manual	
S/N Ratio	≥ 55dB	
BLC	Supported	
HLC	Supported	
Smart Defog	Supported	
WDR	140dB	
Digital Noise Reduction	3D DNR	
Exposure Mode	Auto/ Manual/ Iris First/ Shutter First	
Shutter Time	1/1s-1/100000s	
Day & Night	Dual-ICR	
Digital Zoom	16x	
Privacy Masking	24 Dynamic Privacy Masks; Optional Multiple Colors	
Auto Focus	Auto/ Semi-automatic/ Manual	
OSD	16×16,32×32,24×24,48×48,64×64,96×96 Character Size Time/Date/ Week/Character Superposition in 5 Regions PTZ Angle Superposition	
Lens		
Focal Length	4.6 -203mm, 44x	
Zoom Speed	Approx.5s(Optical Wide-Tele)	
Angle of View	60°(w) ~ 2.30°(t)	
Minimum Working Distance	1-1.5m(Wide-Tele)	
Aperture Range	F1.5 ~ F4.8	
Pan & Tilt		
Pan Range	360°endless	
Pan Speed	Pan Manual Speed: 0.1° -240°/s	
	Pan Preset Speed: 240°/s stepless	
Preset Accuracy	±0.2°	
Tilt Range	-16°-90° (Auto Flip)	
Tilt Speed	Tilt Manual Speed: 0.1°-240°/s	
	Tilt Preset Speed: 240°/s	
Proportional Zoom	Rotation Speed Can Be Adjusted Automatically According to Zoom Multiples	
3D Position	Supported	
Number of Preset	500	
Scan	8	
Cruise	8, up to 32 Presets per Cruise	
Pattern	8, Each One With 600s Memory or 300 Orders	
Power loss recovery	Supported	
Guard Action	Preset/ Cruise/ Pattern/ Scan	
PTZ Position Display	Supported	
Freeze Frame	Supported	
RS-485 Protocols	PTZ_PELCO_D, PTZ_PELCO_P , PTZ_TC615_P , DOME_PELCO_D , DOME_PELCO_P , D OME_PLUS	
Infrared		
IR Irradiation Distance	400m	
IR Irradiation Angle	Adjustable by Zoom	

Specifications



Interface	
Audio Input	1-ch Mic in(Line in Interface) Line Input 2-2.4V[p-p]; Output Impedance 1KΩ, ±10%
Audio Output	1-ch, Line level, Impedance: 600Ω, Built-in speaker optional
Ethernet	1-ch RJ45 10M/ 100M
Alarm Input	8-ch
Alarm Output	2-ch
On-board Storage	MicroSD Card Slot, up to 256GB
BNC	1.0Vp-p / 75Ω, NTSC (or PAL) Composite
RS-485	1-ch
Extension	N/A
Network	
Ethernet	10Base -T/100Base-TX RJ45 Connector
Max. Image Resolution	1920×1080
Main Stream	1920×1080@50/60fps; 11280×960@50/60fps; 1280×720@50/60fps 640×480@50/60fps; 704×576@50/60fps; 704×480@50/60fps
Sub Stream	704×576@25/30fps; 704×480@25/30fps; 704×288@25/30fps;704×240@25/30fps; 352× 240@25/30fps;352×288@25/30fps;
Third Stream	1280×720@25/30fps; 640×480@25/30fps; 704×576@25/30fps; 704×480@25/30fps; 704×576@25/30fps; 704×480@25/30fps; 704×288@25/30fps; 704×240@25/30fps; 352×240@25/30fps; 352×288@25/30fps;
Image Compression	H.265/H.264, Encoding with Baseline/MJPEG/Main/High Profile
ROI Encoding	20 Dynamic Areas for Both Main and Sub Stream
Audio Compression	G711A/G711U/ADPCM/AAC
Protocols	Ipv4/Ipv6/ HTTP/ HTTPS/ 802.1x/ Qos/ FTP/ SMTP/ UpnP/ SNMP/ DNS/ DDNS/ NTP/ RTSP/ RTP/ TCP/ UDP/ IGMP/ ICMP/ DHCP/ PPPoE
Remote Connection	15 Users Access at the Same Time
User Permission	Up to 32 Users, 4 Levels
Security Measures	User Authentication (ID and PW),
	Host Authentication (MAC Address)
	IP Address Filtering
Web Browser	IE8,IE9,IE10,IE11,Firefox24
System Compatibility	ONVIF (Profile S), SDK
Advance	
Auto tracking Early Warning(AEW)	Keep tracking the target that activates alarming, and enable the speaker to warn, even open the green laser for frightening
Video Analytics(IVA)	Tripwire/Double Tripwire/Perimeter/Object Abandon/ Object Lost/Running/Loitering/Parking/Early Warning/Crowd/Audio Abnormal Detection/Video Abnormal Detection/Face Detection/People Counting/ On duty Detection/Auto tracking
Smart-tracking	By Manual/ Panorama/Tripwire/ Perimeter/Early warning trigger
Intelligent Alarm	Harsh Voice Alarm, Motion Detection, Mask Alarm, Port Alarm, Network Disable Alarm, IP Conflict, MAC Conflict Detection

Specifications

General	
Operating Conditions	-40°C-70°C, 0 ~ 95% RHG
Power Supply	AC24V 3A
Power Consumption	18.55W(IR OFF)/ 35.5W(IR ON)
Circuit Protection	TVS 6000V, Lightning/ Surge 4000V Protection
Impact Protection	IP66, IK10
IR LEDs	8pcs
White LEDs	2pcs
Wiper	Supported
Dimensions	372mmx222mmx222mm
Weight	5.45KG (IP PTZ Only), 8.15KG (with Packing Box)
Certification	CE, FCC, RoHS, UL

**Note: Secura offers customised products and solution on most products as per site requirements, minor changes in specifications and appearance are warranted and tracked version wise for customised requirements.

Dimensions

