

DH-PSDW5231S-B120

2MP Multi-Sensor Network Camera+PTZ Camera



- · Panoramic: 1/2.7" 2Megapixel progressive scan CMOS
- · PTZ: 1/2.7" 2Megapixel progressive scan CMOS
- · H.265/H.264 dual-stream encoding
- · 25fps@1920x1080
- · Day/Night(ICR), 3DNR, AWB, AGC, BLC
- . Max IR LEDs Length 15m
- . Micro SD card slot, up to 256GB
- . PoE











System Overview

The Dahua PSDW5231SP-B120 Multi-Sensor plus PTZ camera combines a 2MP camera and a high-speed PTZ camera . With its all-in-one design, the camera provides a 120° monitor and provides region of interest details at the same time. In addition, the PSDW5231SP-B120 offers the Intelligent Video System (IVS), a built-in video analytic algorithm that delivers intelligent functions to monitor a scene for Tripwire violations, intrusion detection.

Functions

True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens.

HEVC (H.265)

H.265 ITU-T VCEG is a new video coding standard. H.265 Following standard developed around the existing video coding standard H.264 , some retain the original technology , while some of the relevant technology to improve the new technology uses advanced technology to improve the relationship between the code stream , encoding quality , and the delay between algorithm complexity , optimize settings specific contents include : Improve compression efficiency , improve the robustness and error recovery capabilities, real-time to reduce the delay, reduce channel acquisition time and a random access delay , reduce complexity , etc

Smart H.265+

Deliver high quality video without straining the network, Smart H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265.

IVS is a built-in video analytic algorithm that delivers intelligent functions to monitor a scene for Tripwire violations, intrusion detection, and abandoned or missing objects. A camera with IVS quickly and accurately responds to monitoring events in a specific area. In addition to scene analytics, the camera supports face detection to quickly capture a face and upload the image to a server. The camera also offers tamper detection by recognizing a dramatic scene change and generating a warning message to inspect the camera.



Technical S _I	pecification	1				PTZ		
Panoramic Camera						Pan/Tilt Range		Pan: 0° ~ 355° endless; Tilt: 0° ~ 80°
Image Sensor		1/2.7" 2Megapixel CMOS				Manual Control Speed		Pan: 32° ~51° /s; Tilt: 22° ~40° /s
Effective Pixels		1920(H)x1080(V)				Presets Speed		Pan: 51° /s ; Tilt: 40° /s
Scanning Syster	m	Progressive				Presets		80
Electronic Shut	ter Speed	Auto/Manual, 1/3~1/100000s				Speed Setup		Human-oriented focal Length/ speed adaptation
Minimum Illumination		0.03Lux/F2.2(Color,1/3s,30IRE) 0.2Lux/F2.2(Color,1/30s,30IRE) 0.03Lux/F2.2(B/W,1/3s,30IRE) 0.2Lux/F2.2(B/W,1/30s,30IRE)				Power up Action		Auto restore to previous PTZ and lens status after power failure
IR Distance		Distance up to 15m(49ft)				Protocol		DH-SD, Pelco-P/D (Auto recognition)
IR On/Off Control		Auto/ Manual				Intelligence	Intelligence	
IR LEDs		2				IVS		Tripwire, Intrusion
		_				Video	Video	
Panoramic Lens						Compression		H.265/H.264/H.264B/H.264H/MJPEG(sub stream)
Lens Type		Fixed	Fixed					Support H.265+/H.264+
Mount Type		Board-in	Board-in				lity	2 Streams
Focal Length Aperture Type		2mm Fixed					Panoramic Camera	1080P(1920x1080)/ 1.3M(1280x960)/ 720P(1280x720)/ D1(704x576/704x480)/
Max. Aperture		F2.2					Camera	VGA(640×480)/CIF(352×288/352×240) 1080P(1920×1080)/ 1.3M(1280×960)/
Angle of View		H: 136°, V:78°				PTZ Camera	720P(1280x720)/ D1(704×576/704×480)/ VGA(640×480)/CIF(352×288/352x240)	
		Detect	Observe	Recognize	Identify		Panoramic Camera	Main Stream: 1080P(1~25fps)
DORI Distance		30m(98ft)	12m(39ft)	6m(20ft)	3m(10ft)	Frame Rate		Sub Stream: D1(1 ~ 25fps)
PTZ Camera							PTZ Camera	Main Stream: 1080P(1~25fps)
								Sub Stream: D1(1~25fps)
Image Sensor		1/2.7″ 2Mega	1/2.7" 2Megapixel CMOS					CBR/VBR
Effective Pixels		1920(H)x1080	1920(H)x1080(V)				Panoramic Camera	H.265: (16Kbps~ 6144Kbps) H.264: (32Kbps~ 8192Kbps)
RAM/ROM			1024MB/128MB				PTZ Camera	H.265: 4Kbps~ 8192Kbps H.264: 8Kbps~ 7168Kbps
Scanning System		Progressive				Day/Night		Auto(ICR) / Color / B/W
Electronic Shut	ter Speed	Auto/Manual, 1~1/30000s				BLC Mode		BLC/HLC/DWDR
National Community of the Community of t			0.02Lux/F1.8(Color,1/3s,30IRE) 0.1Lux/F1.8(Color,1/30s,30IRE)					Auto/Natural/Street Lamp/Outdoor/Manual
Minimum Illum	imation		B/W,1/3s,30II B/W,1/30s,30I			Gain Control		Auto/Manual
PTZ Lens	PT7 Lens							3D DNR
Lens Type		Motorized	Motorized					Off / On (4 Zone, Rectangle)
Mount Type		Board-in	Board-in					Off / On (4 Zone)
Focal Length		2.7mm~13.5mm				Electronic Image		N/A
Aperture Type		Auto				Stabilization(EIS)		
Max. Aperture		F1.8				Smart IR		N/A
Angle of View		H: 105.9°~33.3°, V: 56°~18.7°				Defog		N/A
Optical Zoom		5x						
DORI Distance	Lens	Detect	Observe	Recognize	Identify			
	W	44m(144ft)	18m(59ft)	9m(30ft)	4.5m(15ft)			
	Т	133m (436ft)	53m (174ft)	26m (85ft)	13m (43ft)			

Panoramic Series | DH-PSDW5231S-B120

Digital Zoom		16x		
Flip		0°/90°/180°/270°		
Mirror		Support		
Privacy	Panoramic Camera	Off / On (4 Area, Rectangle)		
Masking	PTZ Camera	Off / On (24 Area, Rectangle)		
Audio				
Compression		G.711a/G.711Mu/AAC/ G.726		
Network				
Ethernet		RJ-45 (100/1000Base-T)		
Protocol		HTTP;HTTPs;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP;DHCP;D NS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP;Bonjour;802.1 x;Multicast;ICMP;IGMP;SNMP		
Interoperability		ONVIF Profile T, CGI		
Streaming Meth	nod	Unicast / Multicast		
Max. User Acce	SS	10 Users/20 Users		
Edge Storage		NAS Local PC for instant recording Mirco SD card 256GB		
Web Viewer		IE, Chrome, Firefox, Safari		
Management So	oftware	Smart PSS, DSS, DMSS		
Smart Phone		IOS, Android		
Certification	S			
Certifications		CE:EN 60950-1 UI:UL60950-1 FCC: FCC Part 15 Subpart B		
Interface				
Video Interface		N/A		
Audio Interface		1/1 channel In/Out		
RS485		1 Port		
Alarm		3 channel In: 5mA 5VDC 2 channel Out: 300mA 12V		
Electrical				
Power Supply		DC12V(±30%), PoE(802.3af)(Class 0)		
Power Consump	otion	DC12V:6.8W 11.8W(IR+PTZ+Zoom) PoE:7.2W 12.7W(IR+PTZ+Zoom)		
Environmen	tal	101.7.24 12.7 44(11.11 12.720011)		
Operating Cond	litions	-10° C ~ +50° C (14° F ~ +122° F) / Less than 95% RH		
Strorage Conditions		-10° C ~ +50° C (-14° F ~ +122° F) / Less than 95% RH		
Ingress Protection		N/A		
Vandal Resistance		N/A		
Construction	n			
Casing		Metal+Plastic		
Dimensions		Φ172mm×123.4mm(Φ6.77"×4.86")		
Net Weight		0.71kg(1.57lb)		
Gross Weight		1.06kg(2.33lb)		

Ordering Information					
Туре	Part Number	Description			
	DH- PSDW5231SP-B120	2MP Multi-Sensor Network Camera+PTZ Camera, PAL			
Panoramic+	DH- PSDW5231SN-B120	2MP Multi-Sensor Network Camera+PTZ Camera,NTSC			
PTZ camera	PSDW5231SP-B120	2MP Multi-Sensor Network Camera+PTZ Camera, PAL			
	PSDW5231SN-B120	2MP Multi-Sensor Network Camera+PTZ Camera,NTSC			
	PFA102	Mount Adapter			
Accessories (optional)	PFB300C	Ceiling Mount			
	PFB303W	Wall Mount			

Accessories

Junction Mount	Ceiling Mount	Wall Mount	
	PFB300C+PFA102	PFB303W+PFA102	
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Dimensions (mm/inch)



