

DH-SD29404DB-GNY

4MP 4x IR WizSense Network PTZ Camera



Wiz Sense

Launched by Dahua Technology, WizSense is a series of AI products and solutions that adopt independent AI chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on Dahua's advanced technologies, WizSense provides intelligent, simple and inclusive products and solutions.

System Overview

Dahua WizSense PTZ camera adopts advanced deep learning algorithms to support primeter protection with high accuracy. The camera is equipped with smooth control, high quality image, and good protection, meeting compact size demands of video surveillance applications.

Functions

SMD

Empowered by Deep-Learning Algorithms, Dahua SMD Plus filters out motion detection alarms triggered by targets that are not a concern. It quickly recognizes humans and vehicles, triggering alarms when an intrusion occurs.

Wide Dynamic Range

The camera produces vivid images, even in high-contrast lighting conditions, by using industry-leading wide dynamic range (WDR) technology. For scenes that quickly alternate between bright and low lighting, WDR adjusts to fully capture both the bright and dark areas of a scene, producing superior quality videos.

- · 1/2.8" 4Megapixel CMOS.
- · Max. 25/30fps@4MP.
- \cdot IR distance up to 50 m.
- · 4x optical zoom.
- · WDR.
- · SMD 3.0.
- \cdot Built-in Mic.
- · PoE.



Starlight Technology

For challenging low-light applications, Dahua's Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.005 lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, a flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality videos without straining the network. Smart H.265+ technology outranks standard H.265 video compression, reducing bit rate and storage requirements by up to 70%.

Wiz Sense | DH-SD29404DB-GNY

Technical Specification

CameraImage Sensor/2.8° CMOSPixel4 MPMax. Resolution2560 (H) × 1440 (V)RAM128 MBRAM128 MBElectronic Shutter Speed/11s - 1/30.000'sElectronic Shutter Speed/11s - 1/30.000'sMin. IlluminationProgressiveMin. IlluminationSoor : 0.005 lux@F1.6Biluminator On/Off ControlZoom Pricy Manual, Auto; OffIlluminator On/Off ControlZoom Pricy Manual, Auto; OffIlluminator On/Off ControlZoom Pricy Manual, Auto; OffIlluminator Number2 (IR)Focal Length2.8 mm-12 mmMax. ApertureF16-F3.0Ficed Of View15:94.94-30.17, V: 51*-17.17, D: 112.3*-34.6*Optical Zoom4xFocus ControlNationation; manualGose Focus Distance15:04.99*-30.17, V: 51*-01.71.7PrizSoor : 0.005 invef1.6Freset SpeedNation; Soor in ot endlessPreset SpeedSoor : 0.005 invef1.6Preset SpeedSoor : 0.005 invef1.6Preset SpeedSoor : 0.005 invef1.6ProtocolSoor : 0.005 invef1.6ProtocolSoor : 0.005 invef1.6ProtocolSoor : 0.005 invef1.6Prize ProtocolSoor : 0.005 invef1.6ProtocolPattern; Preset; Scan; TourProtocolHistowicz, spandoned/missing object; fait and ingoing object; fait and			
Number of the second	Camera		
AutoControlMax. Resolution2500 (H) × 1440 (V)ROM128 MBRAM512 MBElectronic Shutter Speed1/15–1/30,0005Scanning SystemProgressiveMin. IlluminationColor: 0.005 lux@F1.6 (MV: 0.0005 lux@F1.6 (MV: 0.0005 lux@F1.6) (MILIMINIATION DISTARCE)Illumination DistanceSom (164.04 ft) (R)Illuminator On/Off ControlZom Pricy Manual; Auto; OffIlluminator Number2 (IR)Ecors2 (IR)Kan ApertureSin (164.04 ft) (R)Max. ApertureF16–63.0Focus Control4xFocus Control1.5m (4.92 ft)Optical Zoom4xFocus Distance1.5m (4.92 ft)PresetSite: 0.1%-5n0%Frieset SpeedSon Tot Soft on endeless Tite: 0'to 360' not endeless Tite:	Image Sensor	1/2.8" CMOS	
ROM128 M8RAM512 M8Flectronic Shutter Speed1/1s-1/30,000sScanning SystemProgressiveMin. Illumination6000: 10.005 lux@F1.6 0 lux (IR light on)Illumination Distance50 m (164.04 ft) (IR)Illuminator On/Off Cortorol20 m (164.04 ft) (IR)Illuminator Number20 m (164.04 ft) (IR)Illuminator Number20 m (164.04 ft) (IR)Illuminator Number20 m (164.04 ft) (IR)Illuminator Sumper Signal (IR)20 m (164.04 ft) (IR)Illuminator Number20 m (164.04 ft) (IR)Illuminator Sumper Signal (IR)20 m (164.04 ft) (IR)Infeld of View16 - 67.0Focus Control4xCose Focus Distance5.0 m (17.5-107.15, 17.17, 17.12.13-34.6*Preset Speed9m: 01.75-1007/SInfeld of View9m: 01.75-1007/SFuset Speed9m: 01.75-1007/SFuset Speed90Four20 m (16.04 ft) (IR)Preset Speed90Four90Fuset90Fuset90Fuset90Fuset90Fuset90Fuset90Fuset90Fuset90Fuset9	Pixel	4 MP	
normFAM512 MBFAM512 MBFlectronic Shutter Speed7/15-1/30,000sScanning SystemProgressiveMin. Illumination6000: 0.005 lux@F1.6 0.10x (R light on)Illumination Distance50 m (164.04 ft) (R)Illuminator On/Off ControlZoom Prio; Manual; Auto; OffIlluminator Number2 (R)Focal Length2.8 mm-12 mmMax. ApertureF1.6 = f3.0Field of ViewH:94.9"-30.1"; V: 51"-17.1"; D: 112.3"-34.6"Optical Zoom4×Focus ControlAuto; semi-auto; manualClose Focus Distance1.5 m (4.92 ft)PTZSin: 0.1"5-1007'sManual Control SpeedPan: 0.1"5-1007'sPreset Speed30Tour300Foure5Scann5Foure5Ide MotionPatern; Preset; Scan, TourProtocolH:504FurperotocolSinter, Preset; Scan, TourFuterligenceSinter, Preset; Scan, Tour, Sinter, Sentor, Sinter, Sentor	Max. Resolution	2560 (H) × 1440 (V)	
numnumFlectronic Shutter Speed1/1s-1/30,000sScanning SystemProgressiveMin. IlluminationColor: 0.005 lux@F1.6 0.1ux (Right on)Illumination Distance50 m (164.04 ft) (IR)Illuminator On/Off ControlZoom Prio; Manual; Auto; OffIlluminator Number2 (IR)LensKax. Aperture8.16-F3.0Field of View4.4Focus Control4.4Focus Control1.5 m (4.92 ft)Optical Zoom1.5 m (4.92 ft)PTZSin: 0.176-1007/sManual Control Speed1.5 m (4.92 ft)Preset Speed300Four1.011/s-607/sPreset SpeedSoSourSin: 0.176-1007/sFutern5Scan5Protocol9Protocol9Sin: 0.178-1007/sFutern5Scan5 <t< td=""><td>ROM</td><td>128 MB</td></t<>	ROM	128 MB	
Scanning SystemProgressiveScanning SystemColor: 0.005 lux@F1.6 colux (IR light on)Min. IlluminationColor: 0.005 lux@F1.6 colux (IR light on)Illuminator DistanceS on (164.04 ft) (IR)Illuminator On/Off ControlZoom Prio; Manual; Auto; OffIlluminator Number2 (IR)LensIlluminator NumberFocal Length2.8 mm-12 mmMax. ApertureF1.6 – F3.0Field of ViewH: 94.9°-30.1°; V: 51°-17.1°; D: 112.3°-34.6°Optical Zoom4×Focus ControlAuto; semi-auto; manualClose Focus Distance1.5 m (4.92 ft)PTZSamo: 1/5 – 100'/s Tit: -0° to 90°Preset Speed9an: 0.1'/s – 100'/s Tit: -0° to 90°Preset SpeedSFourSScannSFourUIdle MotionYesPurceroff MemoryYesIntelligenceTipwire; intrusion; crossing fence detection; loitering detection; polege attening; logiect; fast moving; polect; fast moving; polect; fast moving; polect; fast moving; polection; and name alarm classificationSupports face detection; snapshot, and face, one- nich photo; Capturing strategies include real-time classification	RAM	512 MB	
No. BrynnInc.Min. IlluminationGlor: D.005 lux@F1.6 D.W. (R light on)Illumination Distance5 on (164.04 ft) (IR)Illuminator On/Off ControlZoom Prio; Manual; Auto; OffIlluminator Number2 (IR)Lens1Kax. Aperture2.8 mm-12 mmFocal Length2.8 mm-12 mmApate ApertureF1.6–F3.0Field of ViewH: 94.9°-30.1°; V: 51°-17.1°; D: 112.3°-34.6°Optical Zoom4×Focus ControlAuto; semi-auto; manualClose Focus Distance1.5 m (4.92 ft)PTZYong Yong Yong Yong Yong Yong Yong Yong	Electronic Shutter Speed	1/1s-1/30,000s	
Min. IlluminationS/W: 0.0005 lux@F1.6 Olux (IR light on)Illumination DistanceS on (164.04 ft) (IR)Illuminator On/Off ControlZoom Prio; Manuai; Auto; OffIlluminator Number2 (IR)LensIlluminator NumberFocal LengthS 8mm-12 mmMax. ApertureF1.6–F3.0Field of ViewH: 94.9–30.1°; V: 51°–171°; D: 112.3°–34.6°Optical ZoomAFocus ControlAto; semi-auto; manualClose Focus DistanceJ.5 m (4.92 ft)PTZPan: 0° to 360° not endless Titt: -0° to 90°Preset SpeedPan: 0° to 360° not endless Titt: 0.1°s–100′sPreset SpeedS00FourS00FourS00FourS00FourS00Preset SpeedS 4000°/SPreset SpeedS 4000°/SPreset SpeedS 4000°/SFourS 4000°/SFourS 4000°/SFourS 4000°/SFourS 4000°/SPreset SpeedS 4000°/SPreset SpeedS 4000°/SFourS 4000°/SFou	Scanning System	Progressive	
Iteration of the second seco	Min. Illumination	B/W: 0.0005 lux@F1.6	
Illuminator Number2 (IR)Illuminator Number2 (IR)Lens5.8 mm-12 mmFocal Length2.8 mm-12 mmMax. ApertureF16-F3.0Field of ViewH: 94.9°-30.1°; V: 51°-17.1°; D: 112.3°-34.6°Optical Zoom4×Focus ControlAuto; semi-auto; manualClose Focus Distance1.5 m (4.92 ft)PTZPar: 0° to 360° not endless Tilt: -0° to 90°Preset Speed900Preset Speed300Tour8 (up to 32 presets per tour)Pattern5Scan5ProtocolDt-SD4ItteligenceDt-SD4ItteligenceTripyeire; Intrusion; crossing fence detection; Iolifering parking detection; people gathering; human alarm classification gathering; human alarm classification people gathering; human alarm classification gathering; human alarm classification gathering; human alarm classification gathering; human alarm classification; people gathering; human alarmFace DetectionSupports face detection; snapshot, and face enhancement; Supports face detection; snapshot, and face	Illumination Distance	50 m (164.04 ft) (IR)	
Lens Focal Length 2.8 mm-12 mm Max. Aperture F16-F3.0 Field of View F16-F3.0 Focus Control 4x Focus Control Auto; semi-auto; manual Close Focus Distance 1.5 m (4.92 ft) PTZ Tit: -0° to 360° not endless Tit: -0° to 490° Preset Speed 200 Preset Speed 300 Protocol Salor 2000/s Preset Speed 5 Preset 90 Preset 5 Protocol Verorest Speed Preset 90 Preset 5 Preset 9 Protocol Salor 2000/s Protocol Pattern; Preset; Scan; Tour Preset 0H-SD4 Protocol DH-SD4 Protocol Stection; abandoned/missing object; fast moving: parking detection; shanged entertion; lobtering arking detection; abandoned/missing object; fast moving: parking detection; abandoned/missi	Illuminator On/Off Control	Zoom Prio; Manual; Auto; Off	
Focal Length2.8 mm-12 mmFocal LengthF1.6-F3.0Max. ApertureF1.6-F3.0Field of ViewH: 94.9°-30.1°; V: 51°-17.1°; D: 112.3°-34.6°Optical Zoom4×Focus ControlAuto; semi-auto; manualClose Focus Distance1.5 m (4.92 ft)Close Focus DistancePar: 0° to 360° not endless Tilt: -0° to +90°PTZYan: 0.11/s-1007/s Tilt: 0.11/s-607/sPreset Speed9an: 0.11/s-1007/s Tilt: 0.11/s-607/sPreset Speed300Tour8 (up to 32 presets per tour)Pattern5Scan5Idle MotionPattern; Preset; Scan; TourIntelligenceUH-SD4Ivs (Perimeter Protection)Tripwire; intrusion; crossing fence detection; loitering 	Illuminator Number	2 (IR)	
Nax. ApertureF1.6–F3.0Field of ViewH:94.9°-30.1°; V: 51°-17.1°; D: 112.3°-34.6°Optical Zoom4×Focus ControlAuto; semi-auto; manualClose Focus Distance1.5 m (4.92 ft)PTZPar: 0° to 360° not endless Tilt: -0° to +90°Manual Control SpeedPar: 0° to 360° not endless Tilt: 0.1°/s–60°/sPreset Speed300Preset300FourSScan5Power-off MemoryVesIdle MotionPattern; Preset; Scan; TourPtz ProtocolDH-SD4IntelligenceTippivire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; snapshot, and face enhancement; Supports face cutout: Face, one- inchappication and quality first.Face DetectionSupports face detection, snapshot, and face enhancement; Supports face cutout: Face, one- inch photo; Capturing strategies include real-time icap photo; Capturing strategie	Lens		
Field of ViewImage: Controlfocus ControlAuto; semi-auto; manualfocus ControlAuto; semi-auto; manualClose Focus Distance1.5 m (4.92 ft)PTZPar:: 0' to 360° not endless Tilt: -0' to +90°Preset SpeedPar:: 0.1'/s-100'/s Tilt: 0.1'/s-60'/sPreset Speed300Tour8 (up to 32 presets per tour)Pattern5Scan5Power-off MemoryYesIntelligenceUH-SD4IntelligenceTripwire; intrusion; crossing fence detection; shondow, fast moving; parking detection; people gathering; human alarm classificationfor Getter ProtectionSupports face detection; snapshot, and face enhancement; Supports face cutout: Face, one- inch photo; Capturing strategies include real-time capturing and quality first.	Focal Length	2.8 mm-12 mm	
Optical Zoom4×Focus ControlAuto; semi-auto; manualFocus Control1.5 m (4.92 ft)Close Focus DistancePar: 0° to 360° not endless Tilt: -0° to +90°PTZPar: 0° to 360° not endless Tilt: -0° to +90°Preset SpeedPar: 0.11/s-100°/s Tilt: 0.11/s-60%Preset Speed300Tour8 (up to 32 presets per tour)Pattern5Scan5Prower-off MemoryVesIttelligenceUH-SD4IttelligenceTipwire; intrusion; crossing fence detection; plaign algo arking detection; abandoned/missing object; fast moving; arking detection; spapshot, and face enhancement; Supports face cutout: Face, one- incaptioned structure stru	Max. Aperture	F1.6-F3.0	
Focus ControlAuto; semi-auto; manualFocus Control1.5 m (4.92 ft)PTZPan: 0° to 360° not endless Tilt: -0° to +90°Preset SpeedPan: 0.1″s-100′s Tilt: 0.1″s-60′sPreset Speed300Tour8 (up to 32 presets per tour)Pattern5Scan5Pdwer-off MemoryYesIntelligenceDH-SD4IntelligenceTripwire; intrusion; crossing fence detection; boitering parking detection; people gathering; human alarm classificationFree DetectionSupports face detection, snapshot, and face enhancement; Supports face cutout: Face, one- inc, photo; Capturing strategies include real-time capturing and quely first.	Field of View	H: 94.9°–30.1°; V: 51°–17.1°; D: 112.3°–34.6°	
Close Focus Distance1.5 m (4.92 ft)PTZManual Control SpeedPan: 0° to 360° not endless Tilt: -0° to +90°Preset SpeedPan: 0.1′/s-100′/s Tilt: 0.1″/s-60°/sPreset Speed300Tour8 (up to 32 presets per tour)Pattern5Scan5Idle MotionPattern; Preset; Scan; TourIntelligenceDH-SD4IntelligenceTripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm classificationFace DetectionSupports face detection, snapshot, and face enhancement; Supports face cutou: Face, one- nina parking detection; gaturing strategies include real-time capturing and unglity first.	Optical Zoom	4x	
PTZ Manual Control Speed Par: 0' to 360° not endless Tilt: -0' to 990° Preset Speed Par: 0.1/s-100's Tilt: 0.1's-60's Preset 300 Proset 8 (up to 32 presets per tour) Pattern 5 Scan 5 PtZ Verset, Scan; Tour PtZ Verset, Scan; Tour PtZ Del Scan; Tour PtZ Pattern Scan Pattern; Preset; Scan; Tour Idle Motion DH-SD4 Intelligence Tripwire; intrusion; crossing fence detection; biolering barking detection; abandoned/missing object; fast movings parking detection; spanghot, and face management, Supports face cutou: Face, one- nich photo; capturing strategies include real-time capturing intrusion; crossing fence detection; bace, one- nich photo; capturing strategies include real-time capturing intrusion; capturing strategies include real-time	Focus Control	Auto; semi-auto; manual	
Nanual Control SpeedPan: 0° to 360° not endless Tilt: -0° to +90°Preset SpeedPan: 0.1″/s-100″/s Tilt: 0.1″/s-60″/sPreset300Preset8 (up to 32 presets per tour)Pattern5Scan5Power-off MemoryYesIdle MotionPattern; Preset; Scan; TourPTZ ProtocolDH-SD4IntelligenceTripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm classificationFace DetectionSupports face detection, snapshot, and face enhancement; Supports face cutout: Face, one- inch photo; Capturing strategies include real-time capturing and quality first.	Close Focus Distance	1.5 m (4.92 ft)	
Manual Control SpeedTilt: -0° to +90°Preset SpeedPan: 0.1%-100%s Tilt: 0.1%-60%sPreset300Tour8 (up to 32 presets per tour)Pattern5Scan5Power-off MemoryYesIdle MotionPattern; Preset; Scan; TourPTZ ProtocolDH-SD4IntelligenceTripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm 	PTZ		
Preset speedTilt: 0.1%=60%Preset300Tour8 (up to 32 presets per tour)Pattern5Scan5Power-off MemoryYesIdle MotionPattern; Preset; Scan; TourPTZ ProtocolDH-SD4IntelligenceTripwire; intrusion; crossing fence detection; loitering detection; people gathering; human alarm classificationFace DetectionSupports face detection, snapshot, and face enhancement; Supports face cutout: Face, one-inch photo; Capturing strategies include real-time capturing and quality first.	Manual Control Speed		
FractFractionTour8 (up to 32 presets per tour)Pattern5Scan5Power-off MemoryYesIdle MotionPattern; Preset; Scan; TourPTZ ProtocolDH-SD4IntelligenceTripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm classificationFace DetectionSupports face detection, snapshot, and face enhancement; Supports face cutout: Face, one- inch photo; Capturing strategies include real-time capturing and quality first.	Preset Speed		
Pattern5Scan5Power-off MemoryYesIdle MotionPattern; Preset; Scan; TourPTZ ProtocolDH-SD4IntelligenceTripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm classificationFace DetectionSupports face detection, snapshot, and face enhancement; Supports face cutout: Face, one- inch photo; Capturing strategies include real-time capturing and quality first.	Preset	300	
Scan5Power-off MemoryYesIdle MotionPattern; Preset; Scan; TourPTZ ProtocolDH-SD4IntelligenceTripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm classificationFace DetectionSupports face detection, snapshot, and face enhancement; Supports face cutout: Face, one-inch photo; Capturing strategies include real-time capturing and quality first.	Tour	8 (up to 32 presets per tour)	
Power-off MemoryYesIdle MotionPattern; Preset; Scan; TourPTZ ProtocolDH-SD4IntelligenceTripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm classificationFace DetectionSupports face detection, snapshot, and face enhancement; Supports face cutout: Face, one- inch photo; Capturing strategies include real-time capturing and quality first.	Pattern	5	
Idle Motion Pattern; Preset; Scan; Tour PTZ Protocol DH-SD4 Intelligence Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm classification Face Detection Supports face detection, snapshot, and face enhancement; Supports face cutout: Face, one-inch photo; Capturing strategies include real-time capturing and quality first.	Scan	5	
PTZ Protocol DH-SD4 Intelligence Intelligence IVS (Perimeter Protection) Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm classification Face Detection Supports face detection, snapshot, and face enhancement; Supports face cutout: Face, one-inch photo; Capturing strategies include real-time capturing and quality first.	Power-off Memory	Yes	
Intelligence IVS (Perimeter Protection) Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm classification Face Detection Supports face detection, snapshot, and face enhancement; Supports face cutout: Face, one-inch photo; Capturing strategies include real-time capturing and quality first.	Idle Motion	Pattern; Preset; Scan; Tour	
IVS (Perimeter Protection)Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm classificationFace DetectionSupports face detection, snapshot, and face enhancement; Supports face cutout: Face, one- inch photo; Capturing strategies include real-time capturing and quality first.	PTZ Protocol	DH-SD4	
IVS (Perimeter Protection)detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm classificationFace DetectionSupports face detection, snapshot, and face enhancement; Supports face cutout: Face, one- inch photo; Capturing strategies include real-time capturing and quality first.	Intelligence		
Face Detection enhancement; Supports face cutout: Face, one- inch photo; Capturing strategies include real-time capturing and quality first.	IVS (Perimeter Protection)	detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm	
SMD Yes	Face Detection	enhancement; Supports face cutout: Face, one- inch photo; Capturing strategies include real-time	
	SMD	Yes	

Video		
Video Compression	H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream); Smart H.264+	
Streaming Capability	3 streams	
Resolution	4M (2560 × 1440); 3M (2304 × 1296); 1080P (1920 × 1080); 1.3M (1280 × 960); 720P (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)	
Video Frame Rate	Main stream: 4M/3M/1080p/1.3M/720p@(1-25/30 fps) Sub stream 1: D1/VGA/CIF@(1-25/30 fps) Sub stream 2: 720p@(1-25/30 fps)	
Bit Rate Control	CBR/VBR	
Video Bit Rate	H264: 24 Kbps–13056 Kbps H265: 9 Kbps–7936 Kbps	
Day/Night	ICR: Auto; color; B/W Electronic: Auto; color; B/W	
BLC	Yes	
WDR	120 dB	
HLC	Yes	
White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp	
Gain Control	Auto; manual; gain prio	
Noise Reduction	2D NR; 3D NR	
Motion Detection	Yes	
Region of Interest (RoI)	Yes	
Image Stabilization	Electronic	
Defog	Electronic	
Digital Zoom	16 ×	
Image Rotation	180°	
S/N Ratio	≥ 55 dB	
Audio		
Audio Compression	G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; PCM	
Network		
Network Port	RJ-45 (10/100 Base-T)	
Network Protocol	FTP; RTMP; IPv6; Bonjour; IPv4; DNS; RTCP; PPPoE; NTP; RTP; 802.1x; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS; ICMP; UDP; IGMP; SMB; HTTP; SSL; DHCP; SMTP; Qos; RTSP; ARP	
Interoperability	CGI; SDK; ONVIF (Profile S&G&T); P2P	
Streaming Method	Unicast/Multicast	
User/Host	20 (total bandwidth: 64 M)	
Storage	ONVIF (Profile S&G&T); P2P; CGI; SDK	
Browser	IE 9 and later versions Chrome 41 and later versions Firefox 50 and later versions Safari 10 and later versions	
Management Software	DMSS; DSS Pro	

Wiz Sense | DH-SD29404DB-GNY

Mobile Client	iOS; Android
Certifications	
Certifications	CE: EN55032/EN 50130-4/EN 55035/EN61000-3-2/ EN61000-3-3
Port	
Audio Input	1 channel (LINE IN, bare wire,built-in mic (mutually exclusive))
Audio Output	1 channel (LINE OUT,bare wire)
Alarm Input	2 (on-off value input: 0–5 VDC)
Alarm Output	1
Alarm Linkage	Capture; recoding; send email; preset; tour; pattern; alarm digital output; audio
Alarm Event	Motion/Tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection; power exception detection
Power	
Power Supply	12 VDC, 2A ± 10% (optional) PoE (802.3af)
Power Consumption	Basic: 5 W Max: 10 W (illuminator+PTZ)
Environment	
Operating Temperature	-30 °C to +50 °C (-22 °F to +122 °F)
Operating Humidity	≤ 95%
Protection	6000V lightning proof; surge protection; voltage transient protection
Structure	
Product Dimensions	117.4 mm × Φ132.1 mm (4.62" × Φ5.20")
Net Weight	0.713 kg (1.57 lb)
Gross Weight	1.0 kg (2.20 lb)

Ordering Information				
Туре	Model	Description		
4MP WizSense PTZ Camera	DH-SD29404DB-GNY	4MP 4x IR WizSense Network PTZ Camera		
	SD29404DB-GNY	4MP 4x IR WizSense Network PTZ Camera		
Accessories (Optional)	DC 12 V/2A	Power Adapter		
	TF-P100	MicroSD Memory Card		
	PFA103 + PFB300S	Mount Adapter		
	PFB302S + PFB300S	Wall Mount Bracket		
	PFB300C	Ceiling Mount Bracket		
	PFA150	Pole Mount Bracket		
	PFA151	Corner Mount Bracket		

Accessories

Optional:



Power Adapter



TF-P100

MicroSD

Memory Card

PFB300C

Ceiling Mount Bracket



PFA103 + PFB300S Mount Adapter







PFA150 Pole Mount Bracket



PFB302S + PFB300S

Wall Mount Bracket

PFA151 Corner Mount Bracket

Ceiling Mount	Wall Mount	Wall Mount
PFA103+PFB300C	PFA103+PFB302S	PFA103+PFB300S
Corner Mount	Pole Mount (Horizontal)	Pole Mount (Vertical)
PFA103+PFB300S+PFA151	PFA103+PFB300C+PFA150	PFA103+PFB302\$+PFA152-E
Ceiling Mount		
1		



Dimensions (mm[inch])

