



Dahua Technology WizSense IPC-HDBW2541R-ZAS Dome IP security camera Indoor & outdoor 2592 x 1944 pixels Ceiling

Brand : Dahua Technology

Product family: WizSense

Product code: IPC-HDBW2541R-ZAS-27135S2

Product name : IPC-HDBW2541R-ZAS

1/2.7" CMOS, 2960 (H) × 1668 (V), 128 MB, 256 MB, >56 dB

Dahua Technology WizSense IPC-HDBW2541R-ZAS Dome IP security camera Indoor & outdoor 2592 x 1944 pixels Ceiling:

5MP IR Vari-focal Dome WizSense Network Camera

Dahua Technology WizSense IPC-HDBW2541R-ZAS. Type: IP security camera, Placement supported: Indoor & outdoor, Connectivity technology: Wired. Mounting type: Ceiling, Product colour: White, Form factor: Dome. Angle of rotation: 360°, Lens viewing angle, horizontal: 100 - 30°, Lens viewing angle, vertical: 72 - 23°. Sensor type: CMOS, Optical sensor size: 25.4 / 2.7 mm (1 / 2.7"), Number of effective pixels (H x V): 2592 x 1944 pixels. Signal-to-Noise Ratio (SNR) (panoramic camera): 56 dB, Bit rate control (panoramic camera): Constant Bit Rate (CBR), Variable Bit Rate (VBR)

Performance		Video	
Type *	IP security camera	Video compression formats	H.264, H.264+, H.264B, H.264H, H.265, H.265+, M-JPEG
Placement supported *	Indoor & outdoor		704 x 480, 704 x 576, 1280 x 720 (HD 720), 1280 x 960, 1920 x 1080 (HD 1080), 2304 x 1296, 2592 x 1944, 2688 x 1520
Connectivity technology *	Wired	Supported graphics resolutions	
Wide Dynamic Range (WDR)	✓	Frame rate	30 fps
Day/night mode	✓	Video streaming	✓
Alarm input/output	✓	Noise reduction	✓
Dynamic range	120 dB	Noise reduction technology	3D noise reduction
Certification	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B	Gain control type	Auto/Manual
Design		Privacy masking	✓
Form factor *	Dome	Bit rate control	Constant Bit Rate (CBR)/Variable Bit Rate (VBR)
Mounting type *	Ceiling	Bit rate	H.264: 3 kbps-8192 kbps H.265: 3 kbps-8192 kbps
Product colour *	White	Back Light Compensation (BLC)	✓
Housing material	Metal	Highlight Compensation (HLC)	✓
International Protection (IP) code	IP67	Region of Interest (ROI) encoding	✓
IK code	IK10	Audio	
Camera		Audio input channels	2.0 channels
Minimum illumination	0 lx	Audio output channels	2.0 channels
Angle of rotation	360°	Audio formats supported	G.711 A-law, G.726, PCM
Lens viewing angle, horizontal	100 - 30°	Network	
Lens viewing angle, vertical	72 - 23°	Ethernet LAN *	✓
Lens viewing angle, diagonal	134 - 38°	Ethernet interface type	Fast Ethernet
Tilt angle range	0 - 75°		IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP
Pan range	0 - 355°	Supported network protocols	
White balance	Auto, Natural, Outdoor, Regional custom, Street lamp	Wi-Fi *	✗
Camera shutter type	Electronic	Bluetooth *	✗
Camera shutter speed	1/3 -1/100000 s	Number of users	20 user(s)
Adjustment shutter speed	Auto/Manual	Storage	
Number of Privacy masking areas	4	Built-in HDD *	✗
Image sensor			
Number of sensors	1		
Optical sensor size	25.4 / 2.7 mm (1 / 2.7")		
Progressive scan	✓		

Image sensor		Storage	
Sensor type *	CMOS	Compatible memory cards	MicroSD (TransFlash)
Number of effective pixels (H x V)	2592 x 1944 pixels	Maximum memory card size	256 GB
Panoramic camera		Internal memory	512 MB
Signal-to-Noise Ratio (SNR) (panoramic camera)	56 dB	ROM capacity	128 MB
Bit rate control (panoramic camera)	Constant Bit Rate (CBR), Variable Bit Rate (VBR)	Ports & interfaces	
Lens system		Ethernet LAN (RJ-45) ports	1
Focal length range	2.7 - 13.5 mm	Security	
Detect distance (wide)	64.4 m	Video motion detection	✓
Detect distance (tele)	221.4 m	Intelligent Video Surveillance (IVS) system features	Intrusion, Tripwire
Observe distance (wide)	25.8 m	Mirror	✓
Observe distance (tele)	88.6 m	Management features	
Recognize distance (wide)	12.9 m	Web browser	✓
Recognize distance (tele)	44.3 m	Management software	Smart PSS; DSS; DMSS
Identify distance (wide)	6.4 m	Power	
Identify distance (tele)	22.1 m	Power source type *	DC, PoE
Closest focusing distance	0.8 m	Power consumption (typical)	3.1 W
Night vision		Power consumption (Power over Ethernet (PoE))	4 W
Night vision *	✓	DC output voltage	12
Night vision distance	40 m	Operational conditions	
LED type	IR	Operating temperature (T-T)	-30 - 60 °C
Number of illumination LEDs	2	Storage temperature (T-T)	-40 - 60 °C
Video		Operating relative humidity (H-H)	0 - 95%
Maximum resolution *	2592 x 1944 pixels	System requirements	
Total megapixels *	5 MP	Mobile operating systems supported	Android, iOS
		Weight & dimensions	
		Height	88.9 mm
		Diameter	12.2 cm
		Weight	492 g
		Packaging data	
		Package weight	663 g
		Packaging content	
		Number of cameras *	1



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