

DH-SD6AL245GB-HNV

2MP 45x Starlight Laser Network PTZ Camera





Launched by Dahua Technology, Dahua WizMind is a full portfolio of solutions composed of project-oriented products including IPC, NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms. Focusing on customer's requirements, WizMind provides precise, reliable and comprehensive AI solutions for industry verticals.

System Overview

With its powerful optical zoom and accurate pan, tilt capabilities, the PTZ camera provides an all-in-one solution for long distance video surveillance of outdoor scenes. Together with infrared illumination and Starlight Technology, the camera is a great solution for dark, low light conditions. The series combines a day and night mechanical IR cut filter to produce high quality images in variable lighting conditions during the day, and true WDR for locations with direct sunlight and glare.

Functions

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"2Megapixel STARVIS™ CMOS.
- · 45x optical zoom.
- · Starlight technology.
- · Max. 50/60 fps@1080p.
- The laser illumination distance up to 550 m.
- · Auto tracking 3.0.
- · Perimeter protection.
- Face detection
- · Video Metadata.
- SMD 4.0.
- IP67.







Face Detection

Supports 6 attributes and 8 expressions: Gender, age, glasses, face mask, beard and expressions (anger, sadness, disgust, fear, surprise, calm, happiness, and confusion). It also supports face cutout settings: Face, and single inch photo. Three snapshot methods are also featured: Real-time snapshot, priority snapshot, and quality priority.

Perimeter Protection

Automatically filters out false alarms caused by animals, rustling leaves, bright lights, and more, and uses secondary recognition during target detection to improve alarm accuracy.

Technical Specificati	on					Intelligence	
Camera					Motor vehicle, non-motor vehicle, face, and human body detection; optimization; capturing pictures; uploading		
Image Sensor	1/2.8" CMOS					Video Metadata	high-quality face snapshots. Attribute extraction of motor vehicle is also supported, where 10 attributes can be
Pixel	2 MP					detected	
Max. Resolution	1920 (H) × 1080 (V)				IVS (Perimeter Protection)	Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm classification; linkage tracking	
ROM	4 GB						
RAM	1 GB					Supports face detection, optimization, capturing pictures, uploading high-quality face snapshots and enhancing	
Electronic Shutter Speed	1 s-1/30,000	s				Face Detection	face images. Attribute Extraction is also supported, where 6 attributes and 8 expressions can be detected. Face
Scanning System	Progressive	Progressive				Face Detection	cutout is also offered, where you can cutout one face at a time and customize the size to be a one-inch photo. The supported methods for capturing snapshots are real-time
Min. Illumination	Color: 0.005 B/W: 0.0005 0 lux (IR/lase	lux@F1.6					capturing, quality first, and selecting a preferred image among a group of snapshots
Illumination Distance	550 m (1804	.46 ft)				Auto Tracking	Yes
Illuminator On/Off Control	Zoom prio; M	1anual; Auto; Of	ff			SMD	SMD4.0
Illuminator Number	2 (IR); 1 (lase					Quick Pick	Yes
Wiper	Wiper	,				Video	
Lens						Video Compression	H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream); Smart H.264+
Focal Length	3.95 mm-17	3.95 mm–177.7 mm				Streaming Capability	3 streams
Max. Aperture	F1.6-F4.95					Resolution	4M (2560 × 1440); 3M (2048 × 1536); 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)
Field of View	H: 68°-2.3°;	H: 68°-2.3°; V: 41.7°-1.2°; D: 75.1°-2.4°					
Optical Zoom	45 ×	45 ×				Video Frame Rate	Main stream: 1080p/1.3M/720p@(1-50/60 fps) Sub stream 1: D1/VGA/CIF@(1-25/30 fps) Sub stream 2: 1080p/1.3M/720p/@(1-25/30 fps)
Focus Control Auto; semi-auto; manual				Bit Rate Control	CBR/VBR		
Close Focus Distance 0.1 m-1 m (0.33 ft-3.28 ft)				Video Bit Rate	H264: 184 Kbps-9472 Kbps		
Iris Control	Auto; manua	l; iris prio					H265: 73 Kbps–5632 Kbps Color; B/W; Auto; Electronic
DORI Distance	Detect	Observe	Recognize	Identify		Day/Night	
	2451.7 m (8043.64 ft)	968.4 m (3177.16 ft)	490.3 m (1608.60 ft)	245.2 m (804.46 ft)		BLC	Yes
PTZ						WDR	120 dB
Pan/Tilt Range	Pan: 0° to 36		208			HLC	Yes
Manual Cantual Canada	Pan: 0.1°/s-2	-90°, auto flip 18 :00°/s	80			White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp
Manual Control Speed	Tilt: 0.1°/s–120°/s				Gain Control	Auto; manual; gain prio	
Preset Speed	Pan: 240°/s; Tilt: 200°/s				Noise Reduction	2D NR; 3D NR	
Preset	300				Motion Detection	Yes	
Tour	8 (up to 32 presets per tour)				Region of Interest (RoI)	Yes	
Pattern	5				Image Stabilization	EIS	
Scan	5				Defog	Electronic	
Power-off Memory	Yes				Digital Zoom	16×	
Idle Motion	Pattern; Preset; Scan; Tour					Image Rotation	180°
PTZ Protocol	DH-SD Pelco-P/D (Auto recognition)				Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view; multiple colors available	

VVIZ IVIIIIG	DIT-3D0AL243GB-IIIIV	
S/N Ratio	≥ 55 dB	
Audio		
Audio Compression	PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723	
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; HTTP; SSL; DHCP; SMTP; Qos; RTSP; ARP	
Interoperability	CGI; SDK; ONVIF (Profile S&G&T)	
Streaming Method	Unicast/Multicast	
User/Host	20 (total bandwidth: 64 M)	
Storage	Micro SD card (512 GB); FTP/SFTP; NAS	
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	
Mobile Client	iOS; Android	
Certification		
Certifications	CE: CN211FB1 001 and 4789976478-2.5-1 FCC: 4790130386-2	
Port		
Alarm I/O	7/2	
Audio I/O	1/1	
RS-485	1 (baud rate: 1200 bps-115200 bps)	
Audio Input	1 channel (LINE IN, bare wire)	
Audio Output	1 channel (LINE OUT,bare wire)	
Alarm Linkage	Capture; Recording; send email; preset; tour; pattern; alarm digital input	
Alarm Event	Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection	
Power		
Power Supply	36 VDC, 2.23 A ± 25% HI-PoE	
Power Consumption	Basic: 15 W Max: 45 W (illuminator+PTZ)	
Environment		
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)	
Operating Humidity	≤ 95%	
Protection	TVS 6000 V lightning proof; surge protecton; voltage transient protecton; IP67	
Structure		
Product Dimensions	382 mm × Φ239.8 mm (15.04" × Φ9.44")	
Net Weight	6.8 kg (14.99 lb)	
Gross Weight	9.2 kg (20.28 lb)	

Ordering Information					
Туре	Model	Description			
SD6AL Series	DH-SD6AL245GB-HNV	2MP 45x Starlight Laser Network PTZ Camera			
Accessories	DC36V/2.23A	Power Adapter			
	PFA111	Mount adapter			
	PFB303W	Bracket			
	PFB300C	Ceiling Mount			
	PFA150	Vertical pole mount			
	PFA151+PFB303W	Corner Mount			
	PFA150+DH-PFB300C	Horizontal Pole Mount			
	PFB301C	Ceiling Mount			
	PFB301S-E	Plane Mount			
	PFB303S	Parapet Mount			

Accessories

Included:







PFA111 Mount adapter



PFB303W Bracket

Optional:

Power Adapter



PFB300C Ceiling Mount Bracket



PFA150 Pole Mount Bracket



PFA151+PFB303W Corner Mount Bracket



PFA150+PFB300C Horizontal Pole Mount



PFB301C Ceiling Mount



PFB301S-E Plane Mount



PFB303S Parapet Mount

Wall Mount	Ceiling Mount	Ceiling Mount
PFA111+PFB303W+PFA120	PFA111+PFB300C	PFA111+PFB301C
Pole Mount(Vertical)	Corner Mount	Pole Mount(Horizontal)
PFA111+PFB303W+PFA150	PFA111+PFB303W+PFA151	PFA111+PFB300C+PFA150
Plane Mount	Parapet Mount	
PFB301S-E	PFA111+PFB303S	

Dimensions (mm[inch])

