

DH-SD2A400HB-GN-AGQ-PV-SP-EAU

4MP 4G Solar Power Network PT Camera



System Overview

Driven by low power consumption technology, 4G Solar Power Network PT Camera operates safely in areas that do not have access to electricity and the internet. Designed for convenience, it is easy to install, cost effective and supports multiple types of 4G bands to meet the needs of different countries. It features two-way talk which allows you to communicate with people in front of the camera in real-time. The camera is also equipped with smart dual illuminators, which help the camera display clear images in full color, and capture videos of critical events.

Functions

4G

With a built-in high-performance 4G mobile network module, the camera can be directly registered to cloud platforms after a 4G SIM card has been inserted into it. It can be installed anywhere without the hassle of network cables. Users can perform real-time monitoring and remote control of the camera from a mobile client through 4G network.

Starlight

With its large image sensor and large aperture, the camera delivers high performance and quality, even in low-light conditions. The starlight feature allows the camera to capture highly detailed images in accurate color, recognizing targets even at night or in scenes with limited light.

Two-way Talk

With its built-in high-sensitivity microphone and high-power speaker, the camera realizes two-way talk through the mobile app.

- Supports solar power, making it ideal for use in locations that have difficulty accessing electricity and network.
- 4-MP 1/2.8" CMOS sensor, low luminance, and high definition
- H.265 codec that supports high compression ratio and an ultra-low bit
- · Built-in warm light and IR LED.
- Sound and light alarm linkage. When the alarm is triggered, the sound and light will be linked.
- Built in high-performance 4G Module that suits all mobile networks.
- Built-in PIR sensor triggers the camera to quickly track and monitor targets.
- · Supports two-way talk.
- · Supports max. 512 G Micro SD card.











Cyber Security

Dahua network cameras employ a series of security technologies, including security authentication and authorization, access control protocols, trusted protection, encrypted transmission and encrypted storage. These technologies improve the camera's defense against external cyber threats and prevent malicious programs from compromising the device.

Scene

Ideal for use on farmland, pastures, orchards, fish ponds, river channels, highways and other locations that are inconvenient for electric power distribution networks to reach.

Technical Specification			Detect	Observe	Recognize	Identify
Camera		DORI Distance	86 m (282.15 ft)	34.4 m (112.86 ft)	17.2 m (56.43 ft)	8.6 m (28.22 ft)
Image Sensor	1/2.8" CMOS	PTZ	(202.10 11)	(112.00 10)	(5511510)	(20:22 10)
Pixel	4 MP	Pan/Tilt Range	Pan: 0° to 34			
Max. Resolution	2560 (H) × 1440 (V)		Tilt: 0° to +80			
ROM	128 MB	Manual Control Speed	Tilt: 0.1°/s-30			
RAM	256 MB	Preset Speed	Pan: 62°/s; Ti	lt: 36.3°/s		
Electronic Shutter Speed	1/3s-1/30,000s	Preset	300			
Scanning System	Progressive	Power-off Memory	Yes			
Min. Illumination	Color: 0.05 lux@F1.6 B/W: 0.005 lux@F1.6 0 lux@F1.6 (Illuminator on)	Active Deterrence	Preset			
Illumination Distance	30 m (98.43 ft) (IR) 30 m (98.43 ft) (white light)	Light Warning	White light w	n: 5 s–30 s		
Illuminator On/Off Control	Manual; Smart IR; Off		1 sound warr	ncy: High, medi	um, low	
Illuminator Number	2 (IR) 2 (white light)	Sound Warning			d to go off 1-3 ti	mes
	10 m (the height of device is 2.2 m, placed horizontally,+25°C,+77°F)	Video				
PIR Sensor Distance	7m (the height of the device is 2.2 m, placed at an angle of 15° from the horizontal,+25°C,+77°F)	Video Compression	H.265; H.264	; H.264B; H.26	4H; MJPEG(Sub	Stream)
Battery	, , ,	Streaming Capability	2 streams			
Battery Type	Lithium-ion	Resolution	,	280×720); D1	.920 × 1080); 1. (704 × 576); CIF	•
Capacity	10 Ah	Video Frame Rate			3M/720p @ (1– 0 (1–25/30 fps)	25/30 fps)
Max. Charging Voltage	4.2 V	Bit Rate Control	CBR/VBR		(= ==,==,	
Operating Temperature	0 °C to +50 °C (+32 °F to +122 °F)	Video Bit Rate	H.264: 32 kbj	os-8192 kbps		
Battery Voltage	3.6 V	Day/Night	Auto (ICR)			
Cycle Lifetime	Sleep Mode:7 days (at the rate of 1-hour remote live view per day)	BLC	Yes			
Battery Life	More than 500 cycles	WDR	DWDR			
Battery Weight	Approx. 192 g (0.42 lb)	HLC	Yes			
Solar Module		White Balance	Auto; indoor;		; manual; sodiu	m lamp;
Maximum Power	5.5 W	Gain Control	Auto; manua	'		
Cell type	Monocrystalline	Noise Reduction	2D NR; 3D NF			
Operating Temperature	-40 °C to +80 °C (-40 °F to +176 °F)	Motion Detection	Yes			
Dimensions	224 mm × 195 mm × 44 mm (8.8" × 5.9" × 1.7") (L × W × H)	Region of Interest (RoI)	Yes			
Standard testing condition	AM = 1.5, 25 °C (77 °F), 1000 W/m², SMQ + 12%	Defog	Electronic			
Lens		Image Rotation	180°			
Focal Length	4mm	S/N Ratio	≥ 55 dB			
Max. Aperture	F1.6	Audio				
Field of View	H: 84° V: 42°	Audio Compression	G.711a; G.71	1Mu; G.726; P	CM	
	D: 101°	Network				
Close Focus Distance	2 m (6.56 ft)	Network Port	RJ-45 (10/100	D Base-T)		
Iris Control	Fixed Iris	4G	Yes			

Frequency Band	LTE-FDD: B1/3/5/7/8/20/28 LTE-TDD: Band 38/40/41 WCDMA: Band 1/5/8 GSM: 850/900/1800 MHz
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; IPv6; 802.1x; SSL; Qos; FTP; UPnP; ICMP; SNMP; IGMP; ARP; RTCP; RTP; PPPoE; RTMP; Bonjour; SMB; NFS
Interoperability	ONVIF (Profile S&G&T);CGI;SDK;P2P
Streaming Method	Unicast/Multicast
User/Host	20 (total bandwidth: 64 M)
Storage	FTP; Micro SD card (support up to 512 GB); NAS
Browser	IE 9 and later versions Chrome 41 and earlier versions Firefox 50 and earlier versions iOS 10 and later versions
Management Software	DMSS
Mobile Client	iOS; Android
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Certification

	CE-LVD: EN62368-1;
	CE-EMC: Electromagnetic Compatibility Directive
Certifications	2014/30/EU;
	CE-RED: Radio Equipment Directive 2014/53/EU;
	FCC: 47 CFR FCC Part 15; Subpart B

Port

Audio Input	1 channel (built-in mic)
Audio Output	1 channel (built-in speaker)
Alarm Linkage	Capture; record; send email; preset; audio; warning light
Alarm Event	Motion/Tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection; passive infrared detection

Power

	Power Supply	5.4 VDC, 3A (Standard solar panel)
	Battery Life on a Full Charge	Sleep Mode: 7days (at the rate of 1-hour remote live view per day)
	Power Consumption	Sleep: 35 mW Static: 2.3 W (daytime, only SD storage) 2.5 W (daytime: pulling stream in 4G), 4.8 W (illuminator on, pulling stream in 4G) Max.: 10 W (illuminator + PTZ + heater + pulling stream in 4G)

Environment

Operating Temperature	0 °C to +50 °C (32 °F to +122 °F)
Operating Humidity	≤ 95%
Storage Temperature	0 °C to +50 °C (32 °F to +122 °F)
Storage Humidity	≤ 95%
Protection	IP66 TVS 2000 V lightning proof; surge protection; voltage transient protection

Structure

Product Dimensions	336 mm × 247 mm × 223 mm (13.23" × 9.72" × 8.78") (L × W × H)
Net Weight	1.40 kg (3.09 lb)
Gross Weight	2.14 kg (4.72 lb)

Ordering Information			
Туре	Model	Description	
4MP PT Camera	DH-SD2A400HB-GN- AGQ-PV-SP-EAU	4MP 4G Solar Power Network PT Camera	
	SD2A400HB-GN-AGQ- PV-SP-EAU	4MP 4G Solar Power Network PT Camera	
Accessories	PFM900-E	Integrated Mount Tester	
(Optional)	TF-P100	MicroSD Memory Card	

Accessories

Optional:







TF-P100 MicroSD Memory Card

Installation

Wall Mount	Pole Mount (vertical)	

Dimensions (mm[inch])









