

DH-SD22204UE-GN

2MP 4x Starlight PTZ Network Camera



- · 1/2.8" STARVIS™ CMOS
- · Powerful 4x optical zoom
- · Support triple-streams encoding
- · WDR, Day/Night(ICR), Ultra DNR
- · Max. 25/30fps@1080P
- · Max 100°/s pan speed
- · IVS
- · Support PoE
- · IP66, IK10













System Overview

Featuring powerful optical zoom and accurate pan/tilt/zoom performance, the camera provides a wide monitoring range and great detail. The camera delivers 2MP resolution at 25/30fps. The camera is equipped with smooth control, high quality image, and good protection, meeting compact size demands of video surveillance applications.

Functions

Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

High Efficiency Video Coding (H.265)

The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference-coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering

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.

Environmental

Dahua cameras operate in extreme temperature environments, rated for use in temperatures from -30 °C to +60 °C (-22 °F to +140 °F) with 95% humidity. The camera complies with the IK10 Vandal Resistance impact rating. Subjected to rigorous dust and water immersion tests and certified to the IP66 Ingress Protection rating makes it suitable for demanding outdoor applications.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.



Technical Spec	ification				IVS
Camera				Advanced Intelligent Functions	
Image Sensor 1/2.8" STARVIS™ CMOS			Video		
Effective Pixels 1920(H) x 1080(V), 2 Megapixels		Compression	า		
RAM/ROM	25	5M/128M		Streaming Capabilit	у
Electronic Shutter Speed 1		1/1s~1/30,000s		Resolution	
Scanning System		Progressive		Frame Rate	
Minimum Illumination		Color: 0.005Lux@F1.6; B/W: 0.0005Lux@F1.6			
IR Distance		N/A			
IR On/Off Control		N/A		Bit Rate Control	
IR LEDs N		N/A		Bit Rate	
Lens				Day/Night	
Focal Length		7mm~11mm		Backlight Compensation	
Max. Aperture	F1			White Balance	
Angle of View		112.5° ~ 30°		Gain Control	
Optical Zoom Focus Control	4x			Noise Reduction	
Close Focus Distance		Auto/Manual 100mm~ 1000mm		Motion Detection	
	10	omm 1000mm		Region of Interest	
DORI Distance *Note: The DORI distance is a "general proximity" of distance which makes it easy to		hich makes it easy to	Electronic Image Stabilization (EIS)		
pinpoint the right car sensor specification a	nera for your need and lab test result	ds. The DORI distance is according to EN 62676-4 and Identify respectively	calculated based on which defines the	Defog	
Detect	Observe	Recognize	/. Identify	Digital Zoom	
		24.8m(81ft)	12.4m(40ft)	Flip	
124.1m(407ft) 49.7m(163ft) PTZ		24.0111(0111)	12.411(4011)	Privacy Masking	
	Do	n· 0° ~ 355° Til+ 0° ~ 00	0	Network	
Pan/Tilt Range Manual Control Spee		Pan: 0° ~ 355°; Tilt: 0° ~ 90° Pan: 0.1° ~100° /s; Tilt: 0.1° ~60° /s		Ethernet	
·			00 /5	Wi-Fi	
		Pan: 100° /s; Tilt: 60° /s 300		Protocol	
PTZ Mode 8		8 Tour(up to 32 preset per tour)		Interoperability	
Speed Setup		Human-oriented focal Length/ speed adaptation		Streaming Method	
POWER IID ACTION		Auto restore to previous PTZ and lens status after power failure		Max. User Access	
IGIE MOTION		Activate Preset/Tour if there is no command in the specified period		Edge Storage	
Protocol		DH-SD		Web Viewer	
Intelligence				Management Software	
Front Trigger		Motion detection, Video tampering, Network		Smart Phone	
Event Trigger		disconnection, IP address conflict, Illegal access, Storage anomaly		Certifications	
Auto Tracking		N/A			

Interface

Video Interface	N/A
RS485	N/A
Audio I/O	N/A
Alarm I/O	N/A

Electrical

Power Supply	DC 12V/1.5A, PoE(802.3af)
Power Consumption	5.5W

Environmental

Operating Conditions	-30°C $^{\sim}$ 60°C (-22°F $^{\sim}$ +140°F) / Less than 95% RH	
Ingress Protection	IP66	
Vandal Resistance	IK10	

Construction

Casing	Metal
Dimensions	Ф122 (mm) x 89 (mm)
Net Weight	0.52kg(1.23lb)
Gross Weight	0.73kg(1.61lb)

Ordering Information Type Part Number Description 2MP 4x Starlight PTZ Network DH-SD2220UE-GN Camera, WDR, PAL 2MP 4x Starlight PTZ Network DH-SD22204UEN-GN Camera, WDR, NTSC 2MP PTZ Camera 2MP 4x Starlight PTZ Network SD22204UE-GN Camera, WDR, PAL 2MP 4x Starlight PTZ Network SD22204UEN-GN Camera, WDR, NTSC PFA137 Mount Adapter DC12V/2A Power Adapter PFB203W Wall Mount Accessories PFB200C In-ceiling Mount PFA152-E Pole Mount

Accessories

Optional:







PFA137 Mount Adapter

DC12V/2A oter Power Adapter

PFB203W Wall Mount





PFA152-E Pole Mount

PFB200C Ceiling Mount

Wall Mount	In-ceiling Mount	
PFB203W	PFB200C	
Junction Box Mount	Pole Mount	
PFA137	PFB203W + PFA152-E	

Dimensions (mm)



